## **Tektronix**•

SG 5030

**Programmable** 

**Leveled Sine Wave Generator** 

SERVICE MANUAL

INSTRUCTION MANUAL



## PLEASE CHECK FOR CHANGE INFORMATION AT THE REAR OF THIS MANUAL.

# SG 5030 Programmable Leveled Sine Wave Generator

**SERVICE MANUAL** 

Tektronix, Inc. P.O. Box 500 Beaverton, OR 97077 070-7703-01 Product Group 75

Serial Number \_\_\_\_

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#### INSTRUMENT SERIAL NUMBERS

Each instrument has a serial number on a panel insert, tag, or stamped on the chassis. The first number or letter designates the country of manufacture. The last five digits of the serial number are assigned sequentially and are unique to each instrument. Those manufactured in the United States have six unique digits. The country of manufacture is identified as follows:

B010000Tektronix, Inc., Beaverton, Oregon, USA J300000Sony/Tektronix, Japan H700000Tektronix Holland, NV, Heerenveen, The Netherlands

Instruments manufactured for Tektronix by external vendors outside the United States are assigned a two digit alpha code to identify the country of manufacture (e.g. JP for Japan, HK for Hong Kong, IL for Israel, etc.)

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### **Operator Safety Summary**

The general safety information in this part of the summary is for both operating and servicing personnel. Specific warnings and cautions will be found throughout the manual where they apply, but may not appear in this summary.

#### **Terms In This Manual**

ECAUTION

CAUTION statements identify conditions or practices that could result in damage to the equipment or other property.

WARNING

WARNING statements identify conditions or practices that could result in personal injury or loss of life.

#### As Marked on Equipment

CAUTION

CAUTION indicates a hazard to property, including the equipment itself, and could cause minor personal injury.



WARNING indicates solely a personal injury hazard not immediately accessible as you read the marking.



DANGER indicates a personal injury hazard immediately accessible as one reads the marking.

#### **Symbols In This Manual**



This symbol indicates where applicable cautionary or other information is to be found.

#### As Marked on Equipment



DANGER-High voltage.



Protective ground (earth) terminal.



ATTENTION-Refer to manual.

#### **Power Source**

This product is intended to operate in a power module connected to a power source that will not apply more than 250 volts RMS between the supply conductors or between either supply conductor and ground. A protective ground connection by way of the grounding conductor in the power cord is essential for safe operation.

#### **Grounding the Product**

This product is grounded through the grounding conductor of the power module power cord. To avoid electrical shock, plug the power cord into a properly wired receptacle before connecting to the product input or output terminals. A protective ground connection by way of the grounding conductor in the power cord is essential for safe operation. (I.E.C. Safety Class I)

#### **Danger Arising From Loss of Ground**

Upon loss of the protective-ground connection, all accessible conductive parts (including knobs and controls that may appear to be insulating) can render an electric shock.

#### **Use The Proper Fuse**

To avoid fire hazard, use only the fuse specified in the parts list for your product, and which is identical in type, voltage rating and current rating.

Refer fuse replacement to qualified service personnel.

Fuse replacement information can be found in the SG 5030 Service Manual (070-7703-01).

#### Do Not Operate in Explosive Atmospheres

To avoid explosion, do not operate this product in an explosive atmosphere unless it has been specifically certified for such operation.

#### Do Not Operate Plug-In Unit Without Covers

To avoid personal injury, do not operate this product without covers or panels installed. Do not apply power to the plug-in via a plug-in extender.

#### **Remove from Operation**

If you have reason to believe that the instrument has suffered a component failure, do not operate the instrument until the cause of the failure has been determined and corrected.

### Service Safety Summary

#### FOR QUALIFIED SERVICE PERSONNEL ONLY

Refer also to the preceding Operators Safety Summary

#### **Do Not Service Alone**

Do not perform internal service or adjustment of this product unless another person capable of rendering first aid and resuscitation is present

#### Use Care When Servicing With Power On

Dangerous voltages may exist at several points in this product. To avoid personal injury, do not touch exposed connections and components while power is on.

Disconnect power before removing protective panels, soldering, or replacing components.

#### **Use Care When Servicing With Covers Off**

With the side and top covers off, access is available to several heatsinks and power resistors which can cause sever skin burns. When operating the SG 5030 outside the Power Module on flexible extender cables, a cooling fan fan should be used to blow air across the RF and Output Board heatsinkd. This is necessary to cool components for both service personnel safety and to prevent heat stressing electrical components.

#### **Do Not Wear Jewerly**

Remove jewelry prior to servicing. Rings, necklaces, and other metallic objects could come into contact with dangerous voltages and currents.

## Section 1 Specifications

#### Introduction

This section of the manual contains a general description of the TEKTRONIX SG 5030 Programmable Leveled Sine Wave Generator and its electrical, environmental, and physical specifications.

### **Instrument Description**

The SG 5030 Programmable Leveled Sine Wave Generator is a GPIB programmable TM 5000-series plug-in instrument designed to provide a low-distortion sinusoidal waveform with leveled output amplitude. Frequency, amplitude, and the front-panel store/recall parameters are fully programmable. Parameter values are displayed by 8 seven-segment LEDs in the display window. The SG 5030 output amplitude is programmable from 4.5mV to 5.5V peak-to-peak into  $50\Omega$ , and has a frequency range of 0.1Hz to 550 MHz with a reference frequency of 50 kHz. Additional connectors provide timebase input and output reference signals to external sources.

At power up, the instrument performs a self-test and assumes the settings in use when previously powered down, with the exception that the output is in the "OFF" condition. Up to twenty user-definable instrument configurations stored in memory.

Rear interface connections provide access to versions of all front-panel signals except the main output.

#### **Output Leveling Head**

Each SG 5030 is provided with a matching Output Leveling Head. This leveling head must be installed on the SG 5030 at all times for proper operation.

A label attached to the leveling head cable identifies the serial number of the SG 5030 to which the leveling head is calibrated. If it is necessary to change leveling heads, the complete Adjustment Procedure must be performed to match the new leveling head to the SG 5030. After adjustment, it is recommended a new identification label be attached to the leveling head.

#### IEEE 488 (GPIB) Functions

The SG 5030 can be remotely programmed via the digital interface specified in IEEE Standard 488.1-1987, IEEE Standard Digital Interface for Programmable Instrumentation. In this manual, the digital interface is called the General Purpose Interface Bus (GPIB).

The IEEE standard identifies the interface function repertoire of an instrument on the GPIB in terms of interface function subsets. The subsets that apply to the SG 5030 are listed in Table 1-1.

#### NOTE

Refer to IEEE Standard 488.1-1987 for more detailed information. The standard is published by the Institute of Electrical and Electronics Engineers, Inc., 345 East 47th Street, New York, New York 10017.

**Table 1-1: Interface Function Subsets** 

Function	Subset	Capability						
Source Handshake	SH1	Complete Capability						
Acceptor Handshake	AH1	Complete Capability						
Basic Talker	Т6	Responds to serial poll. Untalks if My Listen Address (MLA) is received.						
Basic Listener	L4	Unlistens if My Talk Address (MTA) is received						
Service Request	SR1	Complete Capability						
Remote-Local	RL1	Complete Capability						
Parallel Poli	PP0	Does not respond to Parallel Poll						
Device Clear	DC1	Complete Capability						
Device Trigger	DT0	Does not respond to GET						
Controller Function	C0	No controller function						
Electrical Interface	E2	Tri-state drivers						

#### **Electrical Characteristics**

#### **Performance Conditions**

The limits stated in the Performance Requirements column of the following tables are valid with the following conditions:

- All measurements are made at the output connector of the Output Leveling Head. The SG 5030 must have been adjusted with the same leveling head that is used during specification verification measurements.
- 2. The SG 5030 internal adjustments are performed at an ambient temperature of +20°C to +30°C.

- 3. The SG 5030 must be in a noncondensing environment whose limits are described under Table 1-3, Environmental.
- Allow thirty minutes warm-up time for operation to specified accuracy; sixty minutes after exposure to or storage in high-humidity or condensing environment.

Items listed in the Performance Requirements column of the Electrical Characteristics are verified by completing the Performance Check in the Service Manual. Items listed in the Supplemental Information and Description columns is provided for user information only and should not be interpreted to be Performance Check Requirements.

#### Note

The SG 5030 has been designed in accordance with the intent of UL Standard 1244, "Safety Requirements for Electrical and Electronic Measuring and Test Equipment".

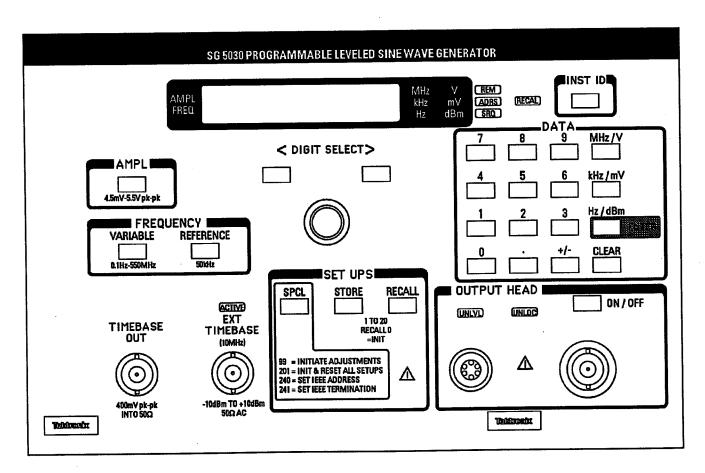


Figure 1-1: The SG 5030

Table 1-2: Electrical

Characteristics	Performance Requirement	Supplemental Information
Frequency Range/Resolution		
0.1Hz to 4.9999kHz		0.1Hz steps
5.000kHz to 49.999kHz		1Hz steps
50.00kHz to 550.00000MHz		10Hz steps
Frequency Accuracy		
Using Internal Timebase (within 1 year of last adjustment)		
0.1Hz to 4.9999kHz	±(0.0003% of setting +0.06Hz)	
5.000kHz to 49.999kHz	±(0.0003% of setting +0.3Hz)	
50.00kHz to 550.00000MHz	±(0.0003% of setting +3Hz)	
Frequency Aging		1ppm/year
Using External Timebase (10MHz ±1.5 ppm)		
0.1Hz to 4.9999kHz		±(external timebase error + 0.06Hz)
5.000kHz to 49.999kHz		±(external timebase error + 0.3Hz)
50.00kHz to 550.00000MHz		±(external timebase error + 3Hz)
Input Amplitude Requirement		-10dBM to +10dBM (70mV to 700mV RMS)
Input Resistance		50Ω AC, 500Ω DC
Lock Time		Less than 3 seconds
Timebase Out		
Output Frequency	10MHz	
Frequency Accuracy	±3ppm (using internal timebase)	±X ppm (using external timebase) Where X ppm is external timebase accuracy
Output Amplitude		400mV pk-to-pk into 50Ω
Output Resistance		50Ω
Amplitude Range/Resolution		
4.50mV to 55.00mV pk to pk		0.02mVolts peak to peak per step
55.2mV to 550.0mV pk to pk		0.2mVolts peak to peak per step
0.552V to 5.500V pk to pk		2mVolts peak to peak per step
-42.95dBm to +18.75dBm		0.05dBm per step
Amplitude Accuracy <sup>1</sup> (0.1Hz to 50kHz)	±1.5% of setting	

<sup>&</sup>lt;sup>1</sup> Accuracy guaranteed only when the Leveling Head and SG 5030 have been calibrated together.

## Electrical (continued)

Characteristics	Performance Requirement	Supplemental Information
Amplitude Flatness		
50.00kHz to 100MHz	±1.5% (of 50kHz ref)	Voltage peak-to-peak into 50 ohms
>100MHz to250 MHz	±3% (of 50kHz ref)	
>250MHz to 550MHz	±4% (of 50kHz ref)	
Output Source Resistance		50Ω, ±1%
Output DC Offset		<± 1% of amplitude (V <sub>pp</sub> ) for 20°C to 30°C <± 2% of amplitude (V <sub>pp</sub> ) for 0°C to 40°C
Output VSWR	Less than 1.2:1 up to 550MHz	
Spectral Purity		
0.1Hz to 49.999kHz		All harmonics and spurs less than –50dBc
50.00kHz to 550.00000MHz		
Harmonics	Less than -30dBc 2nd harmonic Less than -35dBc 3rd harmonic Less than -40dBc all others	
Nonharmonics		Less than -40 dBc
Phase Noise		Less than -85 dBc/Hz at 10kHz offset
GPIB Settling Time		From trailing edge of GPIB EOI until sine wave output is stable
Output OFF to ON		<150mS
All other function changes		<80mS

Table 1-3: Environmental<sup>1</sup>

Characteristics	Description							
Temperature	Meets MIL-T-28800D, class 5, with exception to operating temperature.							
Operating	0°C to +40°C							
Nonoperating	-40°C to +71°C							
Humidity (Noncondensing)	Exceeds MIL-T-28800D, class 5							
Operating	95% ±5% RH, +10°C to +30°C, 75% ±5% RH, +30°C to +40°C, RH not controlled below +10°C							
Altitude	Exceeds MIL-T-28800D, class 5							
Operating	10,000 ft (4.5 Km)							
Nonoperating	50,000 ft (15 Km)							
Vibration <sup>2</sup>	Meets MIL-T-28800D, class 5							
Operating	Displacement (peak-to-peak), 0.38mm (0.015"). 10Hz to 55Hz. Total time, 75 minutes.							
Shock								
Nonoperating	30 g's, half sine, 11ms duration, 3 shocks in each direction along 3 major axis; 18 total shocks.							
Bench Handling	Meets MIL-T-28800D, class 5							
Operating	45 degrees or 4 inches or point of balance, whichever occurs first.							
ESD	Meets IEC 802-2 ESD Test Meets 20kV maximum discharge applied to instrument case per Tektronix Product Design							
EMC <sup>3</sup>	Within conducted emissions limit for FCC Regulations, Part 15, Subpart J, Class A and VDE 0871 Class B.  Exceeds radiated emissions limit for FCC Regulations Part 15, Subpart J, Class A and VDE 0871 at the selected OUTPUT signal frequency.  Within conducted emissions limits for MIL STD 461B/462 CE01, part 2 and							
	CE03. Within conducted supceptability limits for MIL STD 461C CS01, CS02 and CS06.							

<sup>&</sup>lt;sup>1</sup>Note: The SG 5030 will meet MIL-T-28800D, Class 5 only as specified in the table below. <sup>2</sup>Meets MIL-T-28800D, class 3, when tested outside a TM 5000-series power module. <sup>3</sup>Tested with a TM 5006A, Option 15 Power Module.

Table 1-4: Mechanical

CHARACTERISTICS	DESCRIPTION	
Maximum Overall Dimensions without leveling head		
Height	5.0"	
Width	7.950"	
Length	12.2"	
Net Weight		
Standard Instrument Including leveling head	7.0 lbs	

## Section 2 Operating Instructions

This section of the manual contains plug-in installation and removal instructions and describes the functions of the SG 5030 front-panel controls, connectors, and indicators. Operators familiarization information is also provided as an aid in understanding how to operate the SG 5030 under local (manual) control only.

Complete information for programming the SG 5030 via the GPIB (General Purpose Interface Bus) is found in the Programming section of this manual.

#### **Preparation For Use**

The SG 5030 is calibrated and ready for use when received. The SG 5030 is designed to operate only in the TM 5000-Series power modules. Make certain the line selector block on the power module is positioned correctly.

The SG 5030 must also have the Output Leveling Head installed before use. The leveling head is calibrated to match the SG 5030. The two cables from the leveling head connect to the two OUTPUT HEAD connectors on the lower right portion of the SG 5030 front panel.

#### **Installation and Removal**

CAUTION

To prevent possible damage to the SG 5030, turn off the power module before installing or removing the instrument. Do not use excessive force to install or remove.

Check to see that the plastic barriers on the interconnecting jacks of the selected power module compartments match the cutouts in the SG 5030 rear interface connectors. If they do not match, do not install the SG 5030 until the reason is investigated. When the units are properly matched, align the SG 5030 chassis with the upper and lower guides of the selected compartments. Push the SG 5030 chassis in and press firmly to seat the rear-interface connectors in the interconnection jacks. Connect the two cables from the leveling head to the two connectors labled OUTPUT HEAD on the SG 5030 front panel. Apply power to the SG 5030 by turning on the power module.

To remove the SG 5030 from the power module, pull out both the release latches (located on the lower front panel) until the interconnecting jacks disengage and the SG 5030 slides out.

#### Repackaging For Shipment

If the instrument is to be shipped by commercial transportation, we recommend that it be packaged in the original manner. The carton and packaging material in which your instrument was shipped should be saved and used for this purpose.

Also, if the SG 5030 is to be shipped to a Tektronix Service Center for service or repair, attach a tag to the instrument showing the following:

- Owner of the instrument (with address);
- Name of person to contact at your firm;
- Complete instrument type and serial number;
- Describe the service required, or the symptoms of trouble the instrument exhibited.

If the original package is unfit for use or not available, package the instrument as follows:

- Obtain a corrugated cardboard shipping carton with a 200-pound test strength and having inside dimensions at least six inches greater than the instrument dimensions.
- Wrap the instrument with polyethylene sheeting or equivalent material to protect the finish.
- 3. Cushion the instrument on all sides by tightly packing dunnage or urethane foam between the carton and the instrument, allowing three inches on each side.
- Seal the carton with shipping tape or with an industrial stapler.

Mark the address of the Tektronix Service Center and your return address on the carton in one or more prominent locations.

## Front Panel Controls, Connectors And Display

All controls necessary for local operation of the SG 5030 are located on the instrument front panel. Some push buttons illuminate to provide visual indication that associated functions are active. A brief description of these controls, connectors, and indicators follows. Refer to Figure 2-1.

#### 1 Display Indicators

The SG 5030 uses seven-segment LED's to display a numerical value up to eight digits. In addition, LED indicators in the left and right areas of the display window illuminate when appropriate to indicate the selected function modes and parameter units of measure.

#### **Function Mode**

The function is defined by the illuminated mode indicator in the left side of the readout display window. The two function modes are:

**AMPL** Activated when the AMPL button is pressed.

**FREQ** Activated when the FREQUENCY VARIABLE or REFERENCE buttons are pressed.

#### **Parameter Units of Measure**

Display value units are defined by the illuminated units indicator in the right side of the readout display window. These units are:

- MHz Activated when the FREQUENCY VARIABLE button is selected. Frequency selected is from 1MHz to 550MHz.
- kHz Activated when the FREQUENCY VARIABLE or REFERENCE button is selected. Frequency selected is from 1kHz to 999.99kHz.
- Hz Activated when the FREQUENCY VARIABLE button is selected. Frequency selected is from 0.1Hz to 999.9Hz.
- V Activated when the AMPL button is selected. Amplitude selected is from 1V to 5.500V.
- **mV** Activated when the AMPL button is selected. Amplitude selected is from 4.5mV to 998mV.
- dBm Activated when the AMPL button is selected. Amplitude selected is from -42.95dBm to +18.75dBm.

#### 2 GPIB STATUS indicators

The current status of the GPIB is shown by the illuminated indicators just to the right of the readout display window. They are:

- **REM** Illuminates when the SG 5030 is operating under remote control via the GPIB.
- ADRS Illuminates when the SG 5030 is addressed via the GPIB.
- SRQ Illuminates when the SG 5030 has detected an error or event. The controller must conduct a serial poll to query the error or event and to extinguish the SRQ indicator.

#### NOTE

At power-on the SRQ indicator is illuminated. This may not indicate an error condition but only that the power-on SRQ has not yet been serviced by a GPIB controller.

#### 3 RECAL Indicator

Indicates the loss of the calibration constants. Most likely this is due to nonvolatile memory failure. This indicator will remain illuminated until the instrument has been readjusted by performing the Adjustment Procedure in the Service Manual.

#### 4 INST ID push button

Causes the SG 5030 to display its primary GPIB address and message terminator. If USEREQ has been enabled, it will generate a Service Request (SRQ) over the GPIB.

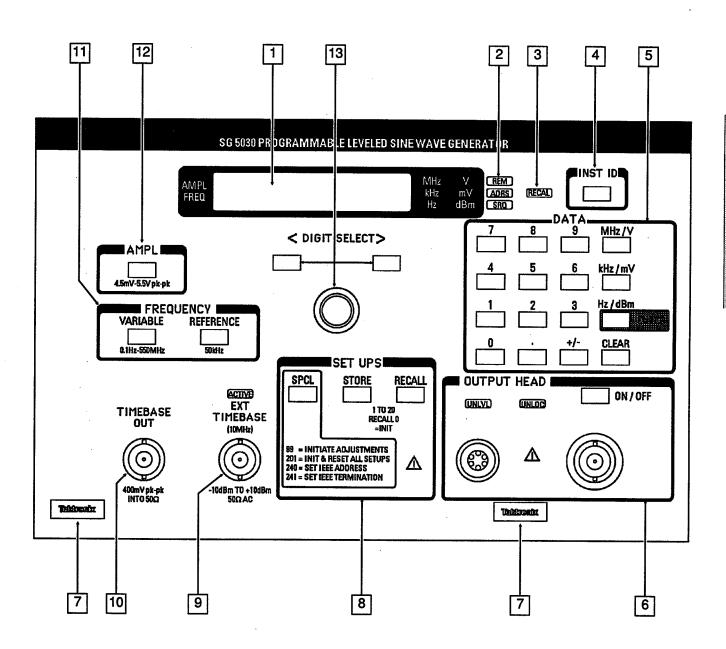
The message terminator currently selected in the SG 5030 (either EOI or LFEOI) will be displayed in the readout display window.

See Section 3-Programming, for instructions to change the GPIB address and to select the message terminator required by your controller.

#### 5 DATA entry keypad

#### 0 through 9, Decimal Point, +/-

Used to enter a numeric value for the amplitude, frequency, or the argument when using STORE, RECALL, or SPCL.



7703-1

Figure 2-1: Front Panel Controls and Connectors

#### MHz/V, kHz/mV, Hz/dBm

Used to terminate the entry of a parameter value and specify the unit of measure after you have selected the amplitude or frequency function. The appropriate unit will illuminate in the readout display window, indicating the selected unit.

#### **ENTER**

Used only with the front-panel SET UPS, entry of the STORE/RECALL storage locations, and the SPCL push button functions (e.g., setting the GPIB address).

#### **CLEAR**

Used to delete a partial entry. The SG 5030 will return to the previous valid instrument settings.

Also used after STORE or RECALL is pressed to cancel the STORE or RECALL operation and reset the display.

#### 6 Output Leveling Head

#### **Connectors**

The Output Leveling Head provides the connection between the SG 5030 and the Instrument-Under-Test. Within the leveling head are attenuators, signal level sense detectors, and precision impedance matching circuits. The leveling head must be used for all SG 5030 operations and should be connected directly to the load to maximize performance. The use of extension cables, matching networks, transformers, etc., between the leveling head and the Instrument-Under-Test can cause performance degradation due to transmission losses and reflections.

If extension cabling is absolutely necessary between the leveling head and the Instrument-Under-Test, coaxial air line is recommended to minimize frequency dependent losses that affect the apparent leveling performance.

Two cables connect the leveling head to the SG 5030; the BNC cable carries the output signal, and the multi-wire cable carries control and status signals back to the SG 5030. If the multi-wire cable is disconnected, the SG 5030 output will be automatically turned off. If only the BNC cable is disconnected, the SG 5030 signal may still be present at the front panel BNC but it is effectively removed from the Instrument-Under-Test.

The SG 5030 is adjusted and shipped from the factory with a matching leveling head. The serial number on the leveling head cable must match the SG 5030 serial number for calibrated operation. Do not interchange

leveling heads between instruments, as performance may no longer be to specification. If the leveling head is interchanged, the complete calibration Adjustment Procedure must be performed before use.

#### **ON/OFF push button**

Disconnects the sine-wave signal output from the leveling head. The output impedance at the signal output connector remains at  $50\Omega$ .

#### **UNLVL Indicator**

When illuminated, indicates sine-wave output is unleveled (e.g., excessive loading, open signal or control line, leveling circuit failure, etc.).

#### **UNLOC Indicator**

When illuminated, indicates one of the frequency setting loops is not locked to the timebase reference frequency (e.g., out-of-range reference signal, circuit failure, etc.).

#### 7 Release Latches

Plug-in release latches. Pull both latches to remove the SG 5030 from the power module.

#### 8 SET UPS

#### STORE push button

Stores the current instrument setting in the specified user-definable storage location. Twenty locations (1 through 20) are available. Instrument settings are retained in memory when the instrument is powered down.

#### **RECALL** push button

Recalls an instrument setting from user-specified storage locations (1 through 20) and configures the instrument to those settings. Recall 0 configures the instrument to factory-default settings that are the same as the INIT settings.

#### **SPCL** push button

- Allows you to initialize the current front-panel settings and all twenty storage location setups at one time.
- Used in the Adjustment procedure to change calibration constants.
- Allows you to set the GPIB address or message terminator from the front panel. See Section 3-Programming.

#### 9 EXT TIMEBASE Connector

Allows the SG 5030 timebase to be frequency-locked to a precision external 10MHz reference frequency.

#### **ACTIVE Indicator**

Indicates the external 10MHz reference frequency signal has sufficient amplitude and approximately the correct frequency to lock the internal timebase.

#### 10 TIMEBASE OUT Connector

Provides the internal 10MHz timebase frequency output to frequency lock other signal sources to the SG 5030.

#### 11 FREQUENCY

#### VARIABLE push button

Selects the variable frequency function. Allows you to vary the sine-wave output frequency, using the Control knob or the DATA keypad. Frequency values can be selected in Hertz, Kilohertz, or Megahertz.

The VARIABLE push button and the FREQ indicator in the readout display window are both illuminated when the VARIABLE function is active.

#### REFERENCE push button

Selects the fixed 50kHz Reference frequency, and displays 50.00kHz in the readout display window. To return to the variable frequency setting that was last selected, press the VARIABLE push button.

The REFERENCE push button and the FREQ indicator in the readout display window are both illuminated when the REFERENCE function is active.

#### 12 AMPL push button

Selects the variable amplitude function. Allows you to vary the sine-wave output amplitude using either the Control knob or the DATA keypad. Amplitude values can be selected in volts, millivolts or dBm.

The AMPL indicator in the readout display window and the AMPL button is illuminated when the amplitude function is active.

The amplitude can be set in either the REFERENCE or VARIABLE FREQUENCY mode, and remains the same when switching between modes.

#### 13 Control Knob

Varies the value of the selected parameter. The smallest rate of change (increment) of a digit is determined by the mode and range that you select. For example, if you are in the amplitude mode and have selected a value within the range of 0.552V to 5.500V, the readout will increment or decrement in as small as 2mV steps.

#### **DIGIT SELECT push buttons**

Selects the Control Knob resolution (i.e., the digit that will change when the Control knob is rotated).

Each push of the left or right button will cause the selected digit to blink as it steps one place left or right.

#### **Rear Panel Switches**

On the rear panel of the SG 5030 is a four position DIP switch which is used to configure the instrument at power up. These switches are used to activate service functions and will not need to be used under normal operation. Their function however is described briefly below.

For normal operation, all toggles are set for open contacts (the contacts are closed when the toggle is depressed to the left, facing the rear of the instrument). The following functions are activated when the contacts are closed:

Toggle	Function		
1	Reinitialize Firmware		
2	Diagnostic Bypass		
3	Enable Adjustment		
4	Not Used		

### **Operators Familiarization**

#### **General Operating Information**

With the SG 5030 properly installed in the power module, allow 20 minutes warmup time for operation to specified accuracy; 60 minutes after storage in or exposure to a high humidity (condensing) environment.

#### **Power-Up Sequence**

When powered up, the SG 5030 performs a diagnostic self-test to check the functionality of its ROM, RAM, and some hardware circuits. It also illuminates all front panel LEDs and indicators. If a self-test error is detected, an E followed by a three-digit error code will appear in the readout window indicating an internal malfunction. Should this occur, refer the condition to qualified service personnel. Pressing any button clears the error code from the readout window and allows the instrument to complete initialization, but does not clear the condition causing the error code. If more than one error has been detected a button may have to be pushed several times to clear each of the errors in turn from the display.

Upon successful completion of the self-tests, the SG 5030 restores the instrument settings that were in use when the instrument was last turned off. The sine wave signal to the output head however will always be turned off at power up.

In addition the SG 5030 always powers up with the frequency displayed in the display window and with the control knob digit select resolution set to the default value.

#### **Initializing the Instrument Settings**

You can initialize the current front-panel settings, or all twenty of the instrument setting storage locations at one time.

To initialize the current front-panel settings:

- Press the RECALL button.
- 2. Enter 0 (zero) on the DATA keypad.
- Press the ENTER button.

The SG 5030 is now initialized to the following settings:

Output ON/OFF	OFF
AMPL	1.000V
FREQUENCY	10.00000MHz
REFERENCE (50kHz)	OFF
VARIABLE (0.1Hz - 550M	IHz) ON
RQS	ON
USEREQ	OFF

To initialize the current instrument setting and all twenty of the storage locations:

- Press the SPCL button.
- 2. Enter 201 on the DATA keypad.
- 3. Press the ENTER button.

The instrument settings and all storage locations are now initialized to the settings listed above.

#### **Function and Parameter Selection**

The SG 5030 generates an amplitude-leveled sine wave signal with two variable functions; amplitude and frequency. The parameters of these two functions are set from the front panel using either the Control knob or the DATA entry keypad (for GPIB operation, refer to Section 3-Programming). The ranges for each function and the parameter resolutions are specified in Section 1-Specification of this manual.

#### **Setting Amplitude Parameters**

To select a specific amplitude value, press the AMPL button. The amplitude parameter and unit of measure last selected will appear in the readout display window.

#### **Voltage Resolution vs Range**

Voltage Range	Resolution	
-42.96dBm to +18.75dBm	0.05dBm	
4.50mV to 55.00mV	0.02mV	
55.2mV to 550mV	0.2mV	
0.552V to 5.500V	2mV	

Next, enter the desired amplitude value using either the Control knob or DATA entry keypad as follows:

#### Control knob entry

Press the DIGIT SELECT buttons to select the significant digit you wish to change (each digit will blink once when selected). Clockwise knob rotation will increment the selected digit, and counterclockwise rotation will decrement the selected digit.

#### DATA keypad entry

Select the numeric value first and then the units desired (e.g., V, mV, or dBm) on the keypad; this action enters the selected amplitude value. If the amplitude value entered on the keypad has a higher resolution than is allowed, the SG 5030 will round it off to the nearest allowable setting.

#### **Setting Frequency Parameters**

To select a specific frequency, press the VARIABLE FREQUENCY button. The frequency parameter and unit of measure last selected will appear in the readout display window.

#### Frequency Resolution vs Range

Frequency Range	Resolution	
0.1Hz to 4.9999Hz	0.1Hz	
5.000kHz to 49.999kHz	1Hz	
50kHz to 550.00000MHz	10Hz	

Next, enter the desired frequency value using either the Control knob or DATA keypad as follows:

#### Control knob entry

Press the DIGIT SELECT buttons to select the significant digit you wish to change (each digit will blink once when selected). Clockwise knob rotation will increment the selected digit, and counterclockwise knob rotation will decrement the selected digit.

#### DATA keypad entry

Select the numeric value first and then the units desired (e.g., Hz, kHz, or MHz) on the keypad; this action enters the selected frequency value. If the frequency value entered on the keypad has a higher resolution than is allowed, the SG 5030 will round it off to the nearest allowable setting.

Table 2-1: Front Panel Error Codes		
Error	Description	
E101	Command header error	
E102	Header delimiter error	
E103	Command argument error	
E104	Argument delimiter error	
E105	Non-numeric argument	
E106	Missing argument	
E107	Invalid message unit delimiter	
E150	Bad symbol	
E151	Syntax error	
E153	Symbol number too long	
E154	Invalid input character	
E155	Invalid string input	
E156	Numerical underflow	
E205	Argument out of range	
E250	Not in adjustment mode	
E251	I/O buffers full, output flushed	
E252	Settings buffer empty	
E253	Illegal settings number specified	
E254	Beyond calibration limit	
E301	Interrupt fault	
E302	System error	
E350	HF unleveled	
E351	Reference loop unlocked	
E352	Wide loop unlocked	
E353	Narrow loop unlocked	
E354	Offset loop unlocked	
E355	DDS loop unlocked	
E356	Unplugged error	
E360	EPROM checksum failure	
E361	NVRAM test failure	
E362	RAM test failure	
E363	NVRAM lost	
E364	CAL Constant Checksum failure	
E370	Output Off test failure	
E371	Ref Freq test failure	
E372	DDS OFF test failure	
E373	10.00000MHz test failure	
E374	10.00001MHz test failure	
E375	500.00000MHz test failure	
E376	Wide Loop Divider test failure	
E377	Output Amp powered test failure	

#### Setting the 50kHz Reference Frequency

Press the REFERENCE FREQUENCY button. The readout window will display 50.00kHz (the reference frequency is not adjustable). You can set the Reference Frequency amplitude by selecting the AMPL button and entering the desired amplitude as described under Setting Amplitude Parameters above.

Select the VARIABLE FREQUENCY button to return to the previous variable frequency settings, and to turn off the reference frequency. The amplitude will be the same as the reference frequency amplitude.

#### **Storing and Recalling Instrument Setups**

You can store up to 20 instrument setups in a battery backed-up nonvolatile RAM. To store a setup, set the instrument parameters and units of measure as desired, and press the STORE button. Enter a storage location between 1 and 20 on the DATA keypad, and press the ENTER button. The current instrument setup is now stored in that location (in nonvolatile RAM), and will be retained when the instrument is powered down.

To recall a specific set of instrument settings, first press the RECALL button, enter any previously set storage location (1 through 20) on the DATA keypad, then press the ENTER button.

#### **Displayed Errors**

When powered up, the SG 5030 performs a diagnostic self-test to check its functionality. If an error is found, an error code will be displayed in the display window. The error can be cleared by pressing any key. Error code definitions are listed in Table 2-1.

If no error is found during self test, the SG 5030 restores the instrument settings that were in use when the instrument was last turned off, except the output is OFF.



#### Special Functions

The SG 5030 has several special functions that allow the user to check or change operational settings. These functions are listed in Table 2-2.

To invoke an SPCL function, press the SPCL button. Then enter the two or three-digit SPCL code and press ENTER.



#### **Output Loading**

The SG 5030 is designed to operate into a  $50\Omega$  impedance load at the leveling head output connector. If load impedance is substantially greater than  $50\Omega$ , connect a low-loss precision feed-through termination of the appropriate value to the leveling head, and then make connection the the load. Refer to Figure 2-2(B) for reference.

#### NOTE

When lit, the UNLVL light on the front panel indicates a mismatched load or that the output is shorted. When the leveling head is disconnected from the front panel, the UNLVL light is also illuminated, and the instrument will turn its output off.

**Table 2-2: Special Functions** 

Code	Description		
99	This function initiates the instrument adjustment process, and is intended for use by qualified service personnel only. If the user accidently selects this function, the instrument will show error code E250 (not in adjustment mode) in the display window, indicating the internal DIP switch toggles have not been set to allow adjustment.		
201	Initializes the current front-panel settings and all twenty storage location setups at one time. See Initializing the Instrument Settings earlier in this section.		
240	Shows the current GPIB address in the display window, and allows the user to enter a new address from the keypad, if desired. See resetting the GPIB Address and Message Terminator in Section 3-Programming.		
241	Shows the currently selected message terminator in the display window, and allows the user to select either LFEOI or EOI. See Resetting the GPIB Address and Message Terminator in Section 3-Programming.		

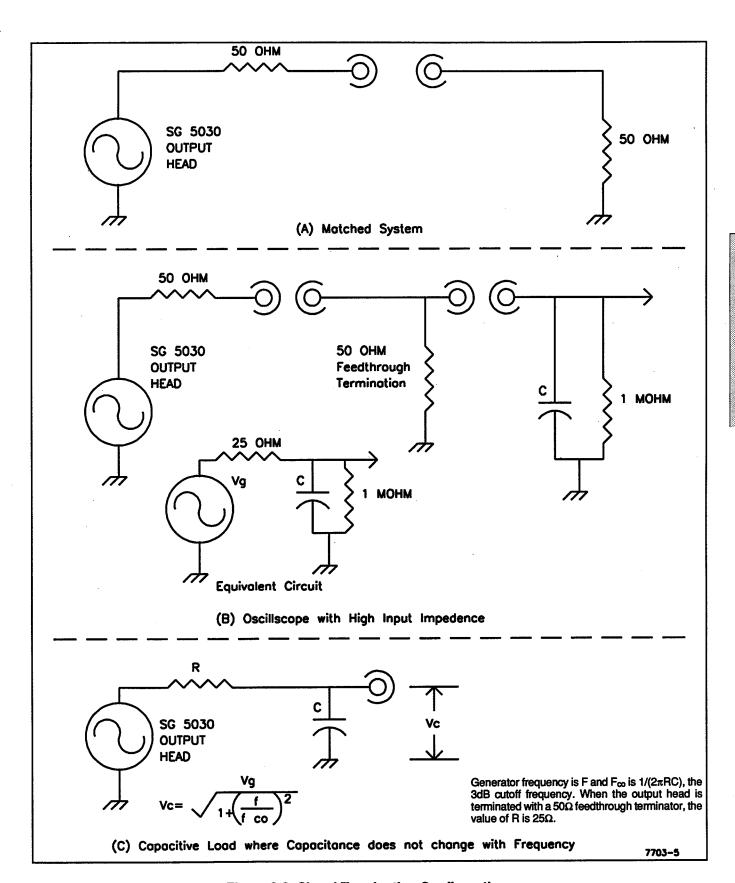


Figure 2-2: Signal Termination Configurations

The SG 5030 adjusts signal amplitude and distortion at the leveling head. To maintain signal integrity, it is important to minimize adapter and transmission line discontinuities and reflections between the leveling head and the Instrument-Under-Test. Adding coaxial cable or other devices between the output head and the load impairs the constant amplitude function, since transmission line insertion losses vary with frequency.

If there is a DC voltage across the load, use a DC blocking capacitor between the output head and the load. A DC blocking capacitor, listed in the Optional Accessories list in the Service Manual, can be used with minimal loss at frequencies greater than 1 MHz.

A DC block is also useful as a protective device when the SG 5030 signal is applied to RF equipment which is sensitive to DC voltage, such as some spectrum Analyzer inputs. Although the SG 5030 has only a small DC offset, it can output high amplitude low frequency AC signals which may be a problem to some sensitive RF circuits.

If signal amplitudes less than the minimum (4.5mV p-p) are desired, use appropriate attenuators connected between the leveling head and the device under test.

#### NOTE

Tektronix BNC attenuators with -02 suffix are recommended. Other attenuators may be used; however, measurement accuracy may be compromised.

When operating the SG 5030, always consider the total load impedance and its effect on the output amplitude. The input capacitance of the equipment under test will affect the bandwidth. The equivalent circuit shown in Figure 2-2(C) is useful in estimating the amplitude changes caused by capacitive loads. Note that as system input capacitance increases, output signal decreases.

#### **Making Bandpass Measurements**

Making bandpass measurements are easy with the SG 5030. Basically, a reference amplitude at the device-under-test output is set at a reference frequency, then the SG 5030 frequency is increased (or decreased)

until the device-under-test output decreases by 3dB (29.3%) from the reference amplitude. This is shown graphically in Figure 2-3. It is important that the reference amplitude be set at a frequency where the device-under-test is known to be linear. For most devices, the 50kHz reference frequency of the SG 5030 is valid, though other frequencies may be used. An oscillscope whose bandwidth is substantially greater than the device-under-test makes an ideal measurement device for bandwidth checks.

- 1. Connect the oscilloscope to the output of the Device-Under-Test (DUT). To make the bandwidth measurement, set the reference frequency amplitude first. Adjust the SG 5030 output amplitude, the DUT gain, and the oscilloscope controls to display a sinewave of exactly six divisions, as shown in Figure 2-4.
- Next, slowly increase (or decrease) the SG 5030 frequency until the oscilloscope display is reduced to 4.2 divisions, as shown in Figure 2-5. Allowing the oscilloscope trigger to free-run may make the display amplitude easier to judge. Do not adjust the gain or amplitude controls during this step.
- 3. Check the SG 5030 frequency readout display. This is the –3dB frequency of the DUT.

In some applications, a wide bandwidth DVM can be substituted for the oscilloscope. The following procedure may be used.

- Connect the DVM to the output of the DUT. Set the reference frequency amplitude first. Adjust the SG 5030 output amplitude and the DUT gain to show some convenient value on the DVM, such as 1 volt.
- Next, slowly increase (or decrease) the SG 5030 frequency until the DVM reading is 70.7% of the reference amplitude. Do not adjust the gain or amplitude controls during this step.
- 3. Check the SG 5030 frequency readout display. This is the –3dB frequency of the DUT.

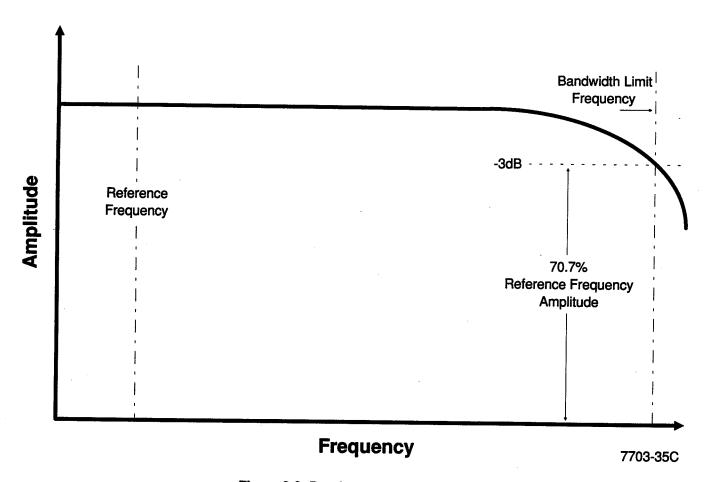


Figure 2-3: Bandpass Measurement

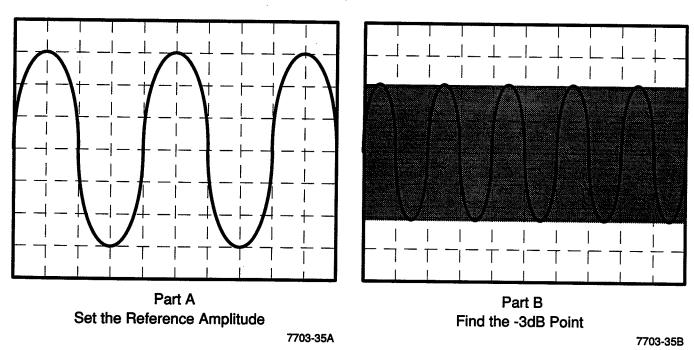


Figure 2-4: Reference Setup

Figure 2-5: The -3dB Point

## Section 3 Programming

#### Introduction

This manual section provides the information required for programming the Tektronix SG 5030 Leveled Sine Wave Generator through the IEEE-488 bus, commonly called the General Purpose Interface Bus (GPIB). The IEEE-488 bus interface is specified and described in the IEEE-Standard 488.1-1987, Standard Digital Interface for Programmable Instrumentation. <sup>1</sup>

The information in this section assumes that the reader is knowledgeable in IEEE-488 bus communication and has some experience in programming a system that uses a GPIB-style interface.

All Tektronix programmable TM 5000 instruments are designed to communicate with any controller that can send and receive ASCII messages (commands) over the IEEE-488 bus. The instruments are connected to the IEEE-488 bus through a TM 5000 power module. Refer to the Operating Instructions section of this manual for information on installing the SG 5030 in the power module. Also, it is helpful to review that section and become familiar with front-panel functions.

Commands for TM 5000 programmable instruments either alter instrument settings or request information from the instrument. The command set for each instrument is designed for compatibility between TM 5000 instrument types. When possible, the same commands are used in different instruments to control similar functions. In addition, commands are specified in mnemonics that are related to the functions implemented. For example, the INIT command initializes instrument settings to predefined default settings.

## IEEE-488 Interface Function Subsets

The SG 5030 IEEE-488 interface is based on the IEEE-488.1-1987 interface (described above) and the Tektronix, Inc. C&F (062-1780-02) interface standard.

Table 3-1 shows the compatibility of SG 5030 operation with these combined standards.

#### **GPIB Address and Message Terminator**

The SG 5030 primary GPIB address can be set to any decimal number in the range 0 to 31. Address 31 effectively removes the SG 5030 from the bus, though it remains an electrical load. The SG 5030 is shipped with the GPIB address set to 10.

The SG 5030 responds to one of two possible message terminators (LF and EOI or EOI only). The message terminator must match that required by the controller. The SG 5030 is shipped with the message terminator

Table 3-1: IEEE-488 Interface Function Capability

Function	Subset	Capability
Source Handshake	SH1	Complete Capability
Acceptor Handshake	AH1	Complete Capability
Basic Talker	Т6	Responds to serial poll. Untalks if My Listen Address (MLA) is received.
Basic Listener	L4	Unlistens if My Talk Address (MTA) is received
Service Request	SR1	Complete capability
Remote-Local	RL1	Complete capability
Parallel Poll	PP0	Does not respond to Parallel Poll
Device Clear	DC1	Complete Capability
Device Trigger	DT0	Does not respond to GET
Controller Function	C0	No controller function

<sup>&</sup>lt;sup>1</sup> Published by the Institute of Electrical and Electronics Engineers, Inc., 345 East 47th Street, New York, N.Y., 10017.

set to EOI only. The message terminator and the primary GPIB address are stored in nonvolatile RAM memory.

The front panel SPCL button allows the current GPIB primary address and message terminator to be displayed on the SG 5030 readout. To display the GPIB address, press the SPCL button, enter 240 from the keypad, and press ENTER. The address is then displayed, for example GPIB 10. Pressing the ID button will also display the GPIB address.

To display the message terminator, press the SPCL button, enter 241 from the keypad, and press ENTER. The letters LF EOI are then displayed if the selected message terminator is LF EOI, and the letters EOI are displayed if the terminator is EOI only.

## **Resetting the GPIB Address and Message Terminator**

The SPCL button can also be used to change the GPIB primary address and the message terminator. To reset the GPIB address, preform the following operation:

- 1. Press SPCL
- 2. Enter 240 from keypad
- 3. Press ENTER
- 4. After current GPIB address setting is displayed, enter the new address from the keypad
- 5. Press ENTER

To reset the message terminator, perform the following operation:

- 1. Press SPCL
- 2. Enter 241 from keypad
- Press ENTER
- 4. After current message terminator is displayed, use the knob to select the new terminator
- 5. Press ENTER

#### Commands

The SG 5030 is controlled either by front panel controls or by remote commands that it receives from the controller through the GPIB interface. The remote commands are divided into three types:

- Setting commands control instrument settings.
- Query/Output commands request data.
- Operational commands changes instrument operational commands (i.e. store, test, etc.).

When the instrument is in the remote state, it executes all three types of commands in the appropriate manner (for example, sets an instrument control or returns the requested data). In the local state (that is, when the instrument is under front-panel control), the instrument only executes query/output commands.

In the following sections, the SG 5030 commands are presented in three ways:

- Command Summary A command list divided into functional groups, with brief descriptions of each command.
- Control/Command Descriptions A front panel illustration showing command relationships to front panel operation and internal parameters.
- Detailed Command Descriptions An alphabetically arranged presentation of all the commands with complete detailed descriptions.

#### **Command Format**

A command consists of a header and, if necessary, one or more arguments. The command headers are English-language words that denote the operation to be carried out, such as INIT (initialize the instrument), or FREQUENCY (set the output signal frequency). Only the first three characters of a command header must be given, although it is acceptable to enter the entire command header.

When a command requires arguments, they are entered after the command header. For example, the FREQUENCY command requires an argument to give the desired frequency setting (FRE 15000). The header and arguments are generally separated by a space character, although the command will be accepted without the space.

The headers for query commands include a terminating question mark (?) symbol (USEREQ?). Since only the first three characters of a command header must be given, the ? may be given after these characters (for example, (USE?).

Additional information about the command format is given in the section titled Message Format.

#### **Tektronix Codes and Formats**

In addition to compliance with the IEEE-488.1 interface standard, the command headers, arguments, and syntax also meet the Tektronix Codes and Formats standard. This standard makes programming simple because the language and syntax between Tek instruments is consistant and easy to use. Standard instruments-data formats open up the lines of bus communication and makes the test system easy to set up and operate.

#### **Command Summary**

This section provides a summary of the SG 5030 commands. The list is arranged in functional groups: instrument commands, status commands, and system commands.

#### NOTE

Capitalized letters in the command header word are required characters, the lower case characters may be optionally entered. Angle brackets <> indicate a required user supplied element. Square brackets [ ] indicate an optional element.

#### **Instrument Commands**

The following commands control instrument operations that are associated with front-panel controls.

AMPlitude <num>[:<dBM>] — Sets the amplitude of the output signal. The default units are volts, if desired, dBm can be selected.

AMPlitude? — Returns the current amplitude setting.

FREquency <num> — Sets the frequency of the output signal.

FREquency? — Returns the current frequency setting.

REFreq ON — Turns on the 50kHz reference frequency and sends it to the output.

REFreq OFF — Turns off the 50kHz reference frequency and enables the variable frequency controls.

REFreq? — Returns the current status of the reference frequency (REFREQ ON or OFF).

OUTput ON — Turns the output on.

OUTput OFF — Turns the output off.

OUTput? — Returns the current status of the output (OUTPUT ON or OFF).

STOre <num> — Stores the current front-panel setup at location 1 to 20.

RECall <num> — Recalls the front-panel setup from location 0 to 20. (Location 0 contains the initialization settings.)

#### **Status Commands**

The following commands enable and disable service requests and return status information about instrument operation.

ROS ON — Enables generation of service requests.

ROS OFF — Disables generation of service requests.

RQS? — Returns status of service requests (RQS ON or OFF).

USEreq ON — Enables SRQ operation when the ID button is pushed.

USEreq OFF — Disables SRQ operation when the ID button is pushed.

USEreq? — Returns status of user request (USEREQ ON or OFF).

LEVeled? — Returns current status of output signal (LEVELED YES or NO).

EXTtb? — Returns current status of the external timebase input (EXTTB ACTIVE or INACTIVE).

#### **System Commands**

The following commands perform system wide operations.

ID? — Returns instrument identification and firmware version.

INIt — Initializes instrument settings.

SET? — Returns the current instrument settings to the GPIB interface. This command can be used for storage of set-ups on the host controller for later retrieval. It can

also be used during development of an automated test procedure by allowing the host controller to "learn" a series of manual front panel settings.

TESt — Initiates a self test on the instrument. When the test is complete, the instrument returns to the settings last entered. If the self test failed, the SG 5030 returns an SRQ to the controller.

EVEnt? or ERROR? — Returns information about the event reported in the last serial poll.

 $_{\rm HELp?}$  — Returns a list of all the command headers the SG 5030 accepts.

ABStouch <nr1> — Provides a means of remotely activating (touching) front-panel buttons and controls through the GPIB interface. Refer to Table 3-2.

CAL? — Returns a list of all the Calibration settings (SPCL 99) stored in NVRAM.

#### **Control/Command Descriptions**

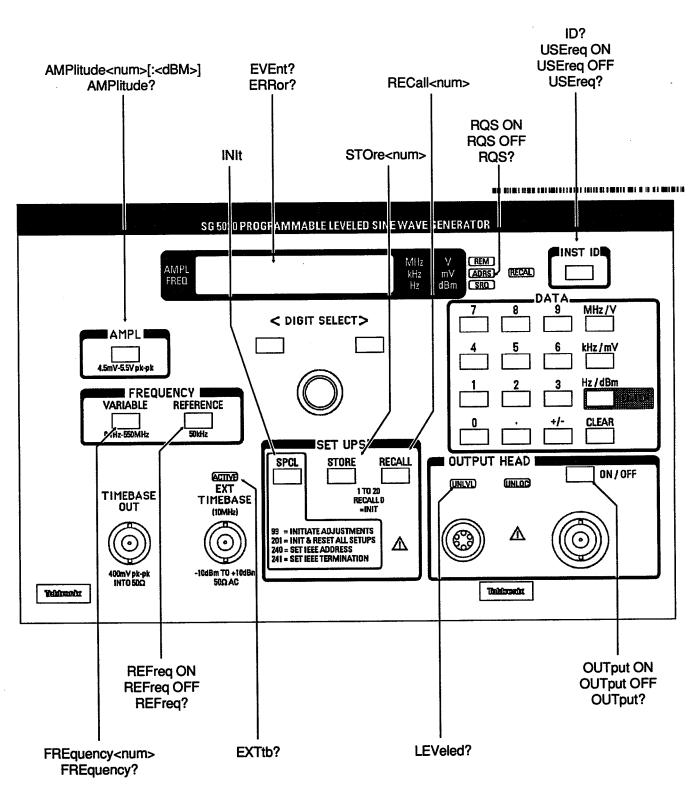
Fig. 3-1 shows the instrument commands and their relationship to the front-panel controls.

#### **Detailed Command List**

The following section provides a detailed description of the SG 5030 commands and their command syntax.

#### NOTE

Capitalized letters in the command header word are required characters, the lower case characters may be optionally entered. Angle brackets <> indicate a required user supplied element. Square brackets [ ] indicate an optional element.



7703-7

Figure 3-1: Instrument Commands & Front Panel Controls

#### **ABSTOUCH**

#### Type:

Setting

#### **Setting syntax:**

ABStouch <nr1>

#### **Examples:**

ABSTOUCH 5 ABS 5

#### Discussion:

This command causes one or more front-panel buttons or controls to be remotely activated (touched) through the GPIB interface. This feature is useful for evaluation and applications procedures that simulate operator actions.

**Table 3-2: ABSTOUCH Command Arguments** 

Front Panel Switch Function	Argument (decimal number)
Knob Increment	0
Knob Decrement	1
Output ON	2
CLEAR	3
0	4
•	5
+/-	6
Hz/dBm/ENTER	7
1	8
2	9
3	10
KhZ/mV	11
4	12
5	13
6	14
MHz/V	<sup>1</sup> 15
7	16
8	17
9	18
INST ID	19
AMPLITUDE	20
VARIABLE	21
STORE	22
SPCL	23
<	24
>	25

#### **AMPLITUDE**

#### Type:

Setting or query

#### **Setting syntax:**

AMPlitude <num>[:dBm]

#### **Examples:**

#### **Amplitude selected:**

AMPLITUDE 4.5	4.5V p-p
AMPL .5	500mV p-p
AMP 3.5E-2	35mV p-p
AMP 0:dBm	0dBm
AMP -30:dBm	-30dBm

#### **Query syntax:**

AMPlitude?

#### Query response syntax:

AMPLITUDE <num>
AMPLITUDE <num>:dBm

#### Query response examples:

AMPLITUDE 3.250 AMPLITUDE 400.0E-3 AMPLITUDE -15.00:DBM

#### Discussion:

This command sets the amplitude of the output signal in volts peak-to-peak or dBm. If dBm units are not specified, volts are assumed. The dBm range is -42.95dBm to +18.75dBm, with a resolution of 0.05dBm. The voltage peak-to-peak range of the instrument is 4.50mV to 5.500V. This range is divided into three subranges, and the amplitude resolution is different in each of these subranges as follows:

Range	Resolution			
-42.95dBm to +18.75dBm	0.05dBm			
4.50mV to 55.00mV	0.02mV			
55.2mV to 550.0mV	0.2mV			
0.552V to 5.500V	2mV			

If the amplitude specified in the command has a greater resolution than the subrange it falls in, the amplitude is rounded off to the closest allowable resolution.

The AMPlitude? command causes the current amplitude setting to be returned.

#### CAL?

#### Type:

Query

#### **Query Syntax:**

CAL <num>, <num , <num>, <num , <num ,

#### **Query Response Examples:**

CAL 139,136,140,2746,2755,2747,2838, 340,2843,341,2841,342

#### Discussion:

This query returns the current DAC settings stored in NVRAM that were set either by default or by selection of the SPCL 99 calibration routine. Table 3-3 below shows a list of the DACs and the name of each DAC setting, listed in the order returned by the CAL? query.

**Table 3-3: DAC Setting Names** 

DAC Name	DAC Setting Name				
Offset DAC (high byte)	If_power_amp_offset				
"Offset DAC (low byte)	lf_preamp_offset				
Offset DAC (high byte)	rf_power_amp_offset				
LF Level DAC	lf_gain_cal_x1				
LF Level DAC	lf_gain_cal_x10				
LF Level DAC	lf_gain_cal_x100				
RF Level DAC	rf_gain_max_x1				
RF Level DAC	rf_gain_min_x1				
RF Level DAC	rf_gain_max_x10				
RF Level DAC	rf_gain_min_x10				
RF Level DAC	rf_gain_max_x100				
RF Level DAC	rf_gain_min_x100				

#### ERROR? EVENT?

#### Type:

Query

#### Query syntax:

ERRor? EVEnt?

#### Query response syntax:

ERROR <num>
EVENT <num>

#### Query response examples:

ERROR 205 EVENT 351

#### Discussion:

These commands return information about the event reported in the last serial poll. If RQS is ON, the <num>response for both commands is the event code for the last reported status byte. If RQS is OFF, <num> is the event code for the highest priority event that has occurred. The event code will be cleared upon completion of these commands. Refer to the section titled Status and Error Reporting for a discussion of event codes and status bytes. Table 3-3 lists all the SG 5030 error/event codes.

These two commands are equivalent and either may be used to preserve compatibility with other Tektronix GPIB products.

#### EXTTB?

#### Type:

Query

#### Query syntax:

EXTtb?

#### Query response: (one of the following)

EXTTB ACTIVE EXTTB INACTIVE

#### Discussion:

This command returns the current status (ACTIVE or INACTIVE) of the external timebase input (EXT TIMEBASE connector).

#### **FREQUENCY**

#### Type:

Setting or query

#### Setting syntax:

FREquency < num>

#### **Examples:**

FREQUENCY 120E3 FREQ 1.5E4 FRE 5E+4 FRE .9

#### **Query syntax:**

FREquency?

#### Query response syntax:

FREQ <num>

#### **Query response examples:**

FREQ 125.00E+3 FREQ 1.0000E+3

#### Discussion:

This command sets the frequency of the output signal. The frequency range of the instrument is 0.1Hz to 550.00000 MHz. This range is divided into three subranges, and the frequency resolution is different in each of these subranges as follows:

Range	Resolution
0.1Hz to 4.9999kHz	0.1Hz
5.000kHz to 49.999kHz	1Hz
50.00kHz to 550.00000MHz	10Hz

If the frequency specified in the command has a greater resolution than the subrange it falls in, the frequency is rounded off to the nearest allowable resolution.

The FREquency? query causes the current frequency setting to be returned.

HELP?

Type:

Query

**Query syntax:** 

HELp?

#### Query response:

HELP ABSTOUCH, AMPLITUDE, CAL, ERROR, EVENT, EXTREF, FREQUENCY, HELP, ID, INIT, LEVELED, OUTPUT, RECALL, REFREQ, RQS, SET, STORE, TEST, USEREQ

#### Discussion:

This command returns the word HELP followed by a list of all the command headers the SG 5030 accepts.

ID?

Type:

Query

**Query syntax:** 

ID?

#### **Query response:**

ID TEK/SG5030, V81.1, Fx.x

#### Discussion:

This command returns the instrument identification and the firmware version, as follows:

TEK/SG5030 — identifies the instrument type.

V81.1 — identifies the version of the Tektronix Codes and Formats used in the SG 5030 firmware design.

Fx.x — identifies the instrument's firmware version. For example, F1.0 indicates the firmware version 1.0.

INIT

Type:

System

Setting syntax:

INIt

**Example:** 

INIT

#### Discussion:

The INIT command clears the current settings and initializes the SG 5030 to the following predefined settings:

OUTPUT OFF
AMPLITUDE 1.000
FREQUENCY 1.000000E+7
REFREQ OFF
RQS ON
USEREQ OFF

After the SG 5030 has executed the INIT command, the display shows FREQ 10.00000MHz, and the switch button VARIABLE is lighted. (No other switches are lighted.)

This command has the same effect as the  $\tiny \texttt{RECALL}$  0 command. Neither of these commands affects the UNLVL or EXT TIMEBASE Active LED. The stored settings buffer is not affected.

#### LEVELED?

Type:

Query

**Query syntax:** 

LEVeled?

Query response: (one of the following)

LEVELED YES

#### Discussion:

This command returns the leveled-signal status of the output signal (YES or NO).

#### **OUTPUT**

#### Type:

Setting or query

#### **Setting syntax:**

OUTput ON OUTput OFF

#### **Examples:**

OUTPUT ON OUT OFF

#### **Query syntax:**

OUTput?

#### Query response: (one of the following)

OUTPUT ON OUTPUT OFF

#### Discussion:

This command turns the signal output on or off at the OUTPUT HEAD connectors, depending on the argument specified. The source impedance is maintained when the output is off. At power-up, the output is set to OFF.

The OUTput? command returns the current status of the output signal (ON or OFF).

#### **RECALL**

#### Type:

Operational

#### Syntax:

RECall < num>

#### **Examples:**

RECALL 2 REC 7 REC 0

#### Discussion:

This command recalls the instrument settings from the non-volatile RAM location specified in the <num> argument, and sets the instrument to those settings. The <num> argument can be from 0 to 20 (decimal). Numbers 1 through 20 are used for user-selectable setups; number 0 references the initialization setup (that is, the RECALL 0 command is equivalent to the INIT command). If no settings are stored in the specified location, the instrument assumes the INIT command settings.

#### **REFREQ**

#### Type:

Setting or query

#### Setting syntax:

REFreq ON REFreq OFF

#### **Query syntax:**

REFreq?

#### Query response: (one of the following)

REFREQ ON REFREQ OFF

#### Discussion:

This command turns the 50kHz reference frequency ON and OFF. When the reference frequency is ON, the variable frequency controls are disabled and the reference frequency is connected to the output. When the reference frequency is OFF, the variable frequency controls are enabled and control the frequency of the output signal. The output frequency is returned to the previous variable frequency. The output amplitude remains at its last setting.

The REFreq? command returns the current status of the reference frequency (ON or OFF).

#### **RQS**

#### Type:

Setting or query

#### **Setting syntax:**

RQS ON RQS OFF

#### **Query syntax:**

RQS?

#### Query response: (one of the following)

RQS ON RQS OFF

#### Discussion:

This command enables and disables the instruments ability to generate service requests (SRQs). When RQS (request for service) is ON, the instrument asserts an SRQ on the GPIB whenever an event occurs that requires a service request. The events that normally cause service requests to be asserted include the power-up sequence, self-test errors, front-panel operation errors, programming errors, and internal errors.

When RQS is OFF, SRQs are saved, and the SRQ annunciator light on the instrument front panel is lit. An ERROR? OF EVENT? command query can then be used to determine which SRQs have been generated.

The RQS? command returns the current status of the SRQ function (ON or OFF).

#### SET?

#### Type:

Query

#### **Query syntax:**

SET?

#### Query response example:

OUTPUT ON; AMPLITUDE 17.40E-3; FREQUENCY 123.34543E+6; REFREQ OFF; RQS ON; USEREQ OFF

#### Discussion:

This command returns the current instrument setting for OUTPUT (ON or OFF), AMPLITUDE, FREQUENCY, REFREQ (ON or OFF), RQS (ON or OFF), and USEREQ (ON or OFF). The maximum length of the settings query data string is 84 bytes.

#### **STORE**

#### Type:

Operational

#### Syntax:

STOre < num>

#### **Examples:**

STORE 8 STO 13

#### Discussion:

This command causes the current instrument front-panel control settings to be stored in non-volatile RAM at a location specified with the <num> argument. The <num> argument can be from 1 to 20 (decimal). Twenty front-panel control settings are saved for each instrument setup. Nonvolatile RAM is provided so that the settings are saved when power is turned off to the instrument.

#### **TEST**

Type:

Operational

Syntax:

**TESt** 

Example:

**TEST** 

Discussion:

This command causes the instrument to perform a self test. When the test is complete, the instrument returns to the settings last entered. If the self test failed, the SG 5030 returns an SRQ to the controller.

#### **USEREQ**

Type:

Setting or query

Setting syntax:

USEreq ON USEreq OFF

**Examples:** 

USEREQ ON USE OFF

**Query syntax:** 

USEreq?

Query response: (one of the following)

USEREQ ON USEREQ OFF

Discussion:

This command enables or disables the SRQ interrupt that is generated when the front-panel INST ID button is pressed. When the USEREQ (user request) function is OFF, the instrument in inhibited from returning the instrument ID SRQ when the INST ID button is pressed.

The USEreq? command returns the current status of the instrument ID SRQ (ON or OFF).

_	B7	D6		0 0 0	0 0 .	To	1	<del></del> -	0	) ,		1 0		1	0 1	1			1 1	
		DO ITS	<b>B</b> 5	0	0 1		1		L		1	1 0	0	_	0 1	上	1	0	1 1	1
B4	B3		B1	CON	TROL			UM YM				UF	PER	CA	SE		LO'	WE	R CAS	E
0	0	0	0	NUL	DLE	40	SP	0	60	0	16	100	)	120	P	6 14	0	0	160 p	16
			•.	0 0 1 GIL	10 16 21 LLO	20 41		32	61		48 17	40	64			0 60 7 14	_	96 1	70 F	112
0	0	0	1		DC1	21	!	33	31	1	49	A	_	1	Q		а	97	71 q	
0	0	1	0	<sup>2</sup> <sub>2</sub> STX <sub>2</sub>	DC2 <sub>18</sub>	42 22	11	2 34	62 32	2	18 50	102 42 B	66		R	8 14: 2 62	b	2	162 T	18
	-			3	23	43		3	63		19	103	3		1	9 143		98 3	72 163	114
0	0	1	1	SETX 3	DC3	23	#	35	33	3	<b>5</b> 1	43 · C	67	53	S	3 63	С	99	73 S	115
0	1	0	0	FOT SDC	DC4	44	\$	4	64	Λ	20	1	4	124	-	0 144	_	4	164	20
_	1			4 4	14 20	24	Ψ	36	34	4	52	44 D	68	54		4 64	d	100	74 E	116
0	1	0	1	S ENQ S	NAK	45	%	5	65	5	21	105 E	5	125	U 2	1 143	e	5	165 U	21
				5 5		25		37	35	_	53	45	69	55	8	+		101	75	117
0	1	1	0	ACK	26 SYN 16	#6 26	&	6 38	66 36	6	22 54	106 F	6 70	126 56	V **		f	102	166 V	22 118
				7	27	17	_	7	67		23	107	7	127	2			7	167	23
0	1	1	1	, BEL ,	ETB 23	27	,	39	37	7	55	47 G	71	57	W 87	67	g	103	77 W	119
1	0	0	0	BS GET	CAN SPE	50		8	70	8	24	110 H	8	130	X	150		8	170 .	24
1				8 8	18 24	28	<u> </u>	40	38	<u> </u>	56	48	72	58	88		h	104	78 X	120
1	0	0	1	HT	EM EM	51	)	9	71	9	25	111 I	9	131	Y 25	151	i	9	171 V	25
<u> </u>				9 9	19 25 32	29 52		41 10	39 72		57 26	49 T	73 10	59 132	26 26	_		105 10	79 Y	121 26
1	0	1	0	LF	SUB	L	*			:		J			$\mathbf{Z}$ .		j		Z	
				A 10	33	2A 53		42 11	3A 73	•	58 27	4A 113	74	5A 133	90			106	7A 173	122 27
1	0	1	1	<sub>B</sub> VT	ESC 27	2B	+	43	3B	;	59	4B K	75	5B	[ 91	6B	k	107	7B {	123
				14	34	84	-	12	74		28	114	12	134	28	_	_	12	174	28
1	1	0	0	c FF 12	FS 28	2C	,	44	3C	<	60	4c L	76	5C	\ 92	6C	1	108	7C	124
,	1	^	,	15 CD	35 GS	55		13	75		29	115	13	135	29	155		13	175	29
		0	1		1D 29	20	-		3D	<u> </u>	61	4D M		5D	J 93		m		7D }	125
1	1	1	0	SO	RS RS	56		14	76	>	30	116 N	14	136	30 ^	156	n	14	176	30
	_			B 14	1B 30	7E 57	<u> </u>	46 15	3B 77		62 UNL	4B	78 15	5B	94		11	110	7B	126
1	1	1	1	SI 15	US	2F	/		77 3F	?	63 63	117 4F O		137 5F	UNT 29	157 6F	0	111	DEL (RUBOU 7F	)T) 127
				ADDRESSED			Al	LIST	EN	s			TAI	K	-		CONI OR (PPI	DARY COM	ADDRE MANDS (PPD	SSES

#### **KEY**

octal 25 PPU GPIB code NAK ASCII character hex 15 21 decimal

Tektronix:

RHF: ANSI STD X3. 4-1977 IEBE STD 488-1978 ISO STD 646-1973

TEKTRONIX STD 062-5435-00 4 SEP 80 COPYRIGHT  $\Theta$  1979, 1980 TEKTRONIX, INC. ALL RIGHTS RESERVED.

Figure 3-2: ASCII Character Chart

# Messages And Communication Protocol

#### **Command Separator**

A message consists of a command or a series of commands, followed by a message terminator. Messages consisting of multiple commands must have the commands separated by semicolons. A semicolon at the end of a message is optional. For example, each line below is a message:

INIT

INIT; RQS ON; USER OFF; ID?; SET?

init;

#### Message Terminator

Messages may be terminated with EOI (the GPIB End-Or-Identify signal) or the ASCII line feed (LF) character. Some controllers assert EOI concurrently with the last data byte; others use only the LF character as a terminator. The SG 5030 can be set via the front panel to accept either terminator. With EOI only selected as the terminator, the instrument interprets any data byte received with EOI asserted as the end of an input message; it also asserts EOI concurrently with the last byte of an output message. With LFEOI selected as the terminator, the SG 5030 interprets either a LF character or EOI as a message terminator. Here, the instrument interprets the LF character without EOI asserted (or any data byte received with EOI asserted) as the end of an input message. To terminate output messages, the instrument transmits a carriage return (CR) followed by a LF character with EOI asserted. The SG5030 is shipped with EOI only selected.

#### Formatting a Message

Commands sent to the SG5030 must have the proper format (syntax) to be understood; however, this format is flexible in that variations are acceptable. The following describes this format and the acceptable variations.

The instrument expects all commands to be encoded in ASCII; however, it accepts both upper and lower case ASCII characters. All data output is in upper case (see Fig. 3-2).

As previously discussed, a command consists of a header followed, if necessary, by arguments. A command with arguments may have a header delimiter, which consists of the space character (SP) between the header and the argument.

The SG 5030 ignores any extra formatting characters SP, CR (carriage return), and LF that are added between the header delimiter and the argument, as shown in the following examples. (In these examples, the formatting characters are shown inside parenthesis.)

Example 1: RQS(SP)ON;

Example 2: RQS(SPSP)ON;

Example 3: RQS(SPCRLFSPSP)ON

(In the LFEOI message terminator mode, the LF character can also be used to terminate messages.)

In general, these formatting characters are ignored after any delimiter and at the beginning and end of a message.

- (SP)RQS(SP)ON; (CRLF)
- (SP)user(SP)off

#### **Number Formats**

The SG5030 recognizes the following three number formats:

- NR1 (integer) Signed or unsigned decimal integers (for example, +0, -0, +1, 2, -1, -10).
- NR2 (real) Signed or unsigned decimal real numbers (for example, -3.2, +5.0, .2).
- NR3 (floating point) Floating-point numbers expressed in scientific notation (for example, +1.0E-2, 1.47E1, 1.E-2, 0.01E+0).

In each of these formats, an unsigned value is interpreted as a positive value (that is, 2 is equivalent to +2).

#### **Rounding of Numeric Arguments**

The SG 5030 rounds numeric arguments to the nearest unit of resolution and then checks for out-of-range conditions. If the argument is outside the allowable range, the instrument sets the value to the highest (or lowest) allowable value within the range. For example, if a frequency of 700MHz is given, the instrument

frequency is set to 550MHz, the maximum allowable frequency and an Error 205 (argument out of range) is generated.

### **Message Protocol**

As the SG 5030 receives a message it is stored in the input Buffer, processed, and executed. Processing a message consists of decoding commands, detecting delimiters, and checking syntax. If an error is detected during processing, the instrument will assert SRQ.

Executing a message consists of performing the actions specified by its command(s). For setting commands, this involves updating the instrument settings. The setting commands are executed in order received. Execution of the settings occurs when the instrument has received enough characters of the command to determine a valid setting. The instrument does not require a message terminator to execute a valid command.

The SG 5030 behaves the same regardless of whether each command is sent as a separate message or several commands are included in one message. The only difference is that multiple-command messages require less bus overhead. When the SG 5030 receives a query/output command in a message, it executes the command by retrieving the appropriate data and putting it in the output buffer. The instrument then continues to process and execute the remainder of the commands in the message. The query data is sent to the controller when the SG 5030 is made a talker.

#### Note:

It is not recommended that multiple queries be placed in one message. If more than one query is in a message, one or more response(s) may be lost. No error message will be generated.

#### **Multiple Messages**

The SG 5030 input buffer has finite capacity and a single message may be long enough to fill it. In this case, the instrument will process the first portion of the message before the instrument accepts additional input. While the commands in the full input buffer are being processed, the instrument holds off additional data (by asserting NRFD) until space is available in the input buffer.

When space is available, the instrument can accept the next message before the first has been completely processed.

As described above, after the SG 5030 executes a query-output command in a message, it holds the response in its output buffer until the controller makes the instrument a talker. If the instrument receives a new message before all of the output from the previous message is read, it clears the output buffer before execution the new message. This prevents the controller from getting unwanted data from old messages.

One other situation can cause the SG 5030 to delete output. The execution of a long message might cause both the input and output buffers to become full. When this occurs, the instrument cannot finish execution of the message because it is waiting for the controller to read the data it has generated; but the controller cannot read the data because it is waiting to finish sending its message. Because the instrument's input buffer is full and it is holding off the rest of the controller's message with NRFD, the system hangs up with the controller and instrument waiting for each other. When the SG 5030 detects this condition, it generates an error, asserts SRQ, and deletes the data in the output buffer.

# Instrument Responses to IEEE-488 Interface Messages

The IEEE-488.1-1987 bus standard defines a set of interface commands and the effects of those commands on the instrument's interface functions. This section describes the effects of the IEEE-488 interface messages on SG 5030 operation. The standard abbreviations for these commands are used here.

#### UNL (Unlisten) and UNT (Untalk)

The UNL command cause the SG 5030 listener function goes to its idle state (unaddressed). In the idle state, the instrument does not accept instrument commands from the IEEE-488 bus.

The UNT command causes the instrument talker function to its idle state. In this state, the instrument cannot supply output data via the bus.

The ADRS indicator is off when both the talker and listener functions are idle. If the SG 5030 is either talk-addressed or listen-addressed, the indicator is on.

#### **IFC (Interface Clear)**

The IFC command has the same effect as issuing both the UNT and UNL commands. The front-panel ADRS indicator is off.

#### **DCL (Device Clear)**

The DCL command reinitializes communication between the SG 5030 and its controller. In response to DCL, the instrument clears any input and output messages. Also cleared are any errors or events waiting to be reported, except the power-on event. If the SRQ line is asserted for any reason other than power-on when DCL is received, SRQ is unasserted.

#### **SDC (Selected Device Clear)**

The SDC command has the same function as DCL; however, only instruments specifically addressed respond to SDC.

#### SPE (Serial Poll Enable)

The SPE command enables the SG 5030 to supply output serial poll status bytes when it is talk-addressed.

#### SPD (Serial Poll Disable)

The SPD command switches the SG 5030 to its normal operation of sending the data from the output buffer.

# MLA (My Listen Address) and MTA (My Talk Address)

The SG 5030 IEEE-488 bus address establishes the primary listen and talk addresses. The current setting of the bus address is displayed on the instrument front-panel readout window when the INST ID button is pressed. When the instrument is addressed to either talk or listen, the front-panel ADRS indicator is lighted.

#### **LLO (Local Lockout)**

The LLO command causes the SG 5030 to change to a lockout state: from LOCS to LWLS or from REMS to RWLS. The LLO command sent by itself does not set the instrument into Local Lockout. You must send a following command to cause the GPIB circuitry to recognize and assert LLO.

#### **REN** (Remote Enable)

If REN is true, the SG 5030 will change to a remote state (from LOCS to REMS if the internal message return-to-local (rtl) is false, or from LWLS to RWLS when its listen address is received). REN false causes a transition from any state to LOCS; the instrument stays in LOCS as long as REN is false.

A REN transition may occur after message processing has begun. In this case, execution of the message being processed is not affected by a transition.

#### GTL (Go To Local)

If the instrument is listen addressed, the GTL command causes the SG 5030 to change to local state. Remote-to-local transitions caused by GTL do not affect the execution of the message being processed when GTL is received.

## **Remote-Local Operation**

The preceding discussion of interface messages describes the state transitions that the GTL and REN commands cause. Most front-panel controls cause a transition from REMS to LOCS by asserting a message called return-to-local (rtl). This transition may occur during message execution; but, in contrast to GTL and REN transitions, a transition initiated by rtl affects message execution. In this case, the instrument generates an error if there are any unexecuted setting or operational commands. Front-panel controls that change only the display (such as INST ID) do not affect the remote-local states; only front-panel controls that

change settings assert rtl. The rtl message remains asserted while multiple keystroke settings are entered, and it is unasserted after the execution of the settings.

The SG 5030 maintains a record of its settings in the current settings buffer and new settings from the front panel or the controller update these recorded settings. In addition, the front panel is updated to reflect setting changes caused by commands. Instrument settings are unaffected by transitions between the four remote-local states. The REM indicator is lighted when the instrument is in REMS or RWLS.

#### Local State (LOCS)

In LOCS, the operator controls the SG 5030 settings via the front-panel push buttons and knob. The only bus commands that are executed are those that do not change instrument settings (query-output commands). All other bus commands (setting and operational commands) generate an error since those functions are under front-panel control.

#### **Local Without Lockout State (LWLS)**

When the SG 5030 is in LWLS, it operates the same as it does in LOCS, except that rtl does not inhibit a transition to remote.

#### Remote State (REMS)

In REMS, the SG 5030 executes all instrument commands from the GPIB bus. For commands having associated front-panel indicators, the front panel is updated when the commands are executed.

#### Remote with Lockout State (RWLS)

In RWLS, the SG 5030 operates similar to REMS operation except that the rtl message is ignored. (The front panel is locked out.)

## Status And Error Reporting

The SG 5030 can alert the controller that it requires service through the service request function (defined in the IEEE-488 Standard). The service request function also provides a means of indicating that an event (a change in status or an error) has occurred. To service a request, the controller performs a serial poll. In response to this poll, the SG 5030 returns a status byte (STB), which indicates whether or not it was requesting service. The STB can also provide a limited amount of information about the request. The format of the information encoded in the STB is given in Fig. 3-3. Note that, when data bit 8 is set, the STB conveys Device Status information, which is contained in bits 1 through 4. (The SG 5030 does not utilize this feature.)

In case of an intermittent error condition multiple SRQs may be stored in the SG 5030 internal stack. These SRQs can all be simultaneously cleared with a DCL (Device Clear) command.

#### NOTE

The SG 5030 status is available over the bus by Serial Poll and/or Error Query, with or without RQS on.

Because the STB conveys limited information about an event, the events are divided into classes, which the STB reports. The classes of events are defined as follows:

Command Error Indicates that the SG 5030 has

received a command that it cannot understand. The command does not affect the current state of the instrument.

Execution Error Indicates that the instrument has

received a command that it understands, but cannot execute because of the present state of the instrument, or because the

command is out of the instrument's range.

Internal Error Indicates that the instrument has

detected a hardware condition or firmware problem that prevents

operation.

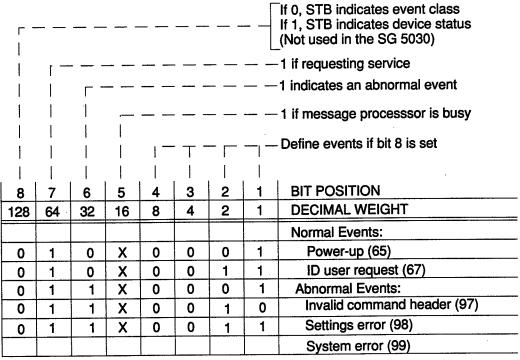
# **Error Messages Sent to the Front Panel**

Error messages sent to the front panel remain displayed until any front-panel button is pushed or a GPIB command is executed.

An NVRAM Battery Test (E363) error means the battery backed up memory failed, resulting in the front panel setups and the GPIB address & message terminator

information being lost. Front-panel setups will default to the factory default settings with the GPIB address 25 and message terminator of EOI only.

A CAL Constant Checksum Failure (E364) means the calibration constants are in some way not correct. The instrument then defaults to a nominal set of calibration constants and the Front Panel RECAL LED will be illuminated.



7703-9

Figure 3-3: STB Bit Configuration

# Bus Error/Event Codes And Serial Poll Response

The SG 5030 provides additional information about many of the events, particularly the errors reported in the STB. The controller can request the additional information by issuing an ERROR? or EVENT? command. In response, the SG 5030 returns a code that defines the event. These codes are described in Table 3-4.

# **Power-on Sequences And Settings**

Each time power is applied to the SG 5030, the internal microprocessor performs a self test diagnostic routine to check the instrument RAM and ROM functionality. If no RAM or ROM error is found, the microprocessor performs further routines that check the functionality of other instrument hardware.

If a hard ROM, RAM or NVRAM failure is found at power up, the instrument will lock up and indicate the error type with the four LEDs on the CPU board. The LED code is shown below:

	LED 1	LED 2	LED 3	LED 4
ROM	off	on	on	on
RAM	off	off	on	on
NVRAM	on	off	on	on

If a functional failure is detected, an error code will appear in the display window. The error will remain displayed until cleared by pressing any front-panel button or executing any GPIB command. The SG 5030 will respond to input and attempt to function in spite of the error. Refer to Table 3-4 for bus error codes and front-panel error codes.

Upon successful completion of the self tests, the SG 5030 restores the instrument settings that were in use when the instrument was last turned off, except that the sine-wave signal to the output head will be turned off.

**Table 3-4: Error Query and Status Responses** 

Description	Error/Event Query Response	SerialPoll (Decimal) <sup>1</sup>
Command Errors/Events		
System normal	0	NSB <sup>2</sup>
Command header error	101	97 or 113
Header delimiter error	102	97 or 113
Command argument error	103	97 or 113
Argument delimiter error	104	97 or 113
Non-numeric argument	105	97 or 113
Missing argument	106	97 or 113
Invalid message unit delimiter	107	97 or 113
Bad symbol	150	97 or 113
Syntax error	151	97 or 113
Symbol number too long	153	97 or 113
Invalid input character	154	97 or 113
Invalid string input	155	97 or 113
Numerical underflow	156	97 or 113
Execution Errors/Events	·	
Argument out of range	205	98 or 114
Not in adjustment mode	250	98 or 114
I/O buffers full, output flushed	251	98 or 114
Settings buffer empty	252	98 or 114
Illegal settings number specified	253	98 or 114
Beyond adjustment limit	254	98 or 114
Internal Errors/Events		
Interrupt fault	301	99 or 115
System error	302	99 or 115
HF unleveled	350	99 or 115
Reference loop unlocked	351	99 or 115
Wide loop unlocked	352	99 or 115
Narrow loop unlocked	353	99 or 115
Offset loop unlocked	354	99 or 115
DDS loop unlocked	355	99 or 115
Unplugged error	356	99 or 115
CPU Self Test Errors		
EPROM checksum failure	360	99 or 115
NVRAM test failure	361	99 or 115
RAM test failure	362	99 or 115
NVRAM battery test failure	363	99 or 115
CAL constant checksum failure	364	99 or 115

Table 3-4: Error Query and Status Responses (Continued)

Description	Error/Event Query Response	SerialPoll (Decimal) <sup>1</sup>
Hardware Self Test Errors		grouping on committee to
Output OFF test failure	370	99 or 115
REF Freq test failure	371	99 or 115
DDS OFF test failure	372	99 or 115
10.00000 MHz test failure	373	99 or 115
10.00001 MHz test failure	374	99 or 115
500.00000 MHz test failure	375	99 or 115
Wide Loop Divider test failure	376	99 or 115
Output Amp powered test failure	377	99 or 115
system Errors/Event	P-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9	-
No errors or events	0	NSB <sup>2</sup>
Power on	401	65 or 81
ID User request	403	67 or 83
SRQ pending	455	NSB <sup>2</sup>

 $<sup>^1</sup>$  If the message processor is busy, the instrument returns a number 16 (decimal) higher than the serial poll response.  $^2$  No Status Byte.

# **Programming Examples**

#### **Talker/Listener Utility Programs**

The following sample programs allow a user to send any of the commands listed in the Functional Command List and receive the data generated.

#### Talker/Listener Utility Program for IBM PC Compatibles

```
PROGRAM****************
****************
' THIS PROGRAM REQUIRES THAT THE SG 5030 ADDRESS BE SET TO THE
' FACTORY DEFAULT OF 10.
COMMON SHARED IBSTA%, IBERR%, IBCNT%
ID$ = "TEKDEV1"
                         ' SELECT TEKDEVI FOR GPIB ACCESS
CALL IBFIND (ID$, BD%)
                         ' SG% = FACTORY DEFAULT ADDRESS OF 10
SG% = 10
                         ' CHANGE TEKDEV1PRIMARY ADDRESS TO
CALL IBPAD (BD%, SG%)
                         ' SET UP GPIB FOR BOARD LEVEL
ID$ = "GPIB0"
CALL IBFIND (ID$, GP%)
                         ' COMMUNICATION
REMOTE% = 1
                         ' SET REMOTE ENABLE
CALL IBSRE (GP%, REMOTE%)
                         ' CLEAR SCREEN
CLS
                         ' DIMENSION RD$ TO 125
REPLY$ = SPACES$(125)
PRINT
PRINT "************* 5030 TALKER/LISTENER
PROGRAM***************
PRINT
MAINPROG:
PRINT "RETURN TO EXIT; "
INPUT "ENTER MESSAGE(S)"L WRT$
IF WRT$ = " " THEN GOSUB TERMINATE
                         ' SEND MESSAGE TO SG 5030
CALL IBWRT (BD%, WRT$)
                         ' CHECK FOR GPIB ERROR
GOSUB CHECKGPIB
DEVICE*****************
FOR T = 1 TO 1000
NEXT T
CALL IBRD (BD%, REPLY$)
                         ' INPUT DATA FROM SG 5030
                         ' CHECK FOR GPIB ERROR GOSUB
GOSUB CHECKGPIB
                         ' GET SG 5030 ERROR MESSAGE
CHECKSG
PRINT : PRINT "INSTRUMENT REPLY ", REPLY$
PRINT : PRINT "Returned status byte:'; SPR%,
PRINT : PRINT ERRM$
GOTO MAINPROG
ROUTINE*****************
```

```
CHECKSG:
ERRM$ = SPACE$(50)
CALL IBRSP (BD%, SPR%)
CALL IBWRT (BD%, "ERR?")
CALL IBRD (BD%, ERRM$)
RETURN
CHECKGPIB:
IF IBSTA% >= 0 AND BD% >= 0 AND IBSTA% < &H4000 AND IBERR% <> 6 THEN RETURN'no error
           to report
IF BD% < 0 THEN PRINT "device not installed - use IBCONF then reboot"
IF IBSTA% > 0 AND IBSTA% >= &H4000 THEN PRINT "timeout"
IF IBERR% = 6 THEN PRINT "timeout"
PRINT "gpib error "; IBERR%
IF IBERR% = 0 THEN PRINT "DOS error device not installed"
IF IBERR% = 1 THEN PRINT "function requires GPIB-PC to be CIC"
IF IBERR% = 2 THEN PRINT "no listener on write function"
IF IBERR% = 3 THEN PRINT "GPIB-PC not addressed correctly"
IF IBERR% = 4 THEN PRINT "invalid argument to function call"
IF IBERR% = 5 THEN PRINT "GPIB-PC not system controller as required"
IF IBERR% = 6 THEN PRINT "I/O operation aborted"
IF IBERR% = 7 THEN PRINT "non-existant GPIB-PC board"
IF IBERR% =10 THEN PRINT "I/O started before previous operation completed"
IF IBERR% =11 THEN PRINT "no capability for operation"
IF IBERR% =12 THEN PRINT "file system error"
IF IBERR% =14 THEN PRINT "command error during device call"
IF IBERR% =15 THEN PRINT "serial poll status byte lost"
IF IBERR% =16 THEN PRINT "SRQ stuck in ON position"
INPUT "[ENTER] TO CONTINUE"; A$
                                  ' if help$ then
TERMINATE:
REMOTE% = 0
CALL IBSRE (GP%, REMOTE%)
                                  'CLEAR REMOTE ENABLE
PRINT "PROGRAM TERMINATED."
```

SG 5030 Service Manual

END

## **WARNING**

THE FOLLOWING SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED PERSONNEL ONLY. TO AVOID PERSONAL INJURY, DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO. REFER TO OPERATORS SAFETY SUMMARY AND SERVICE SAFETY SUMMARY PRIOR TO PERFORMING ANY SERVICE.

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# Section 4 Theory of Operation

## Introduction

#### NOTE

See page 10-1, Diagrams and Circuit Board Illustrations, tor an explanation of schematic symbols.

This section of the manual describes the circuitry used in the SG 5030 Programmable Leveled Sine Wave Generator. The description begins with a discussion of the instrument, using the basic block diagram, Figure 10-4, located in Section 10-Diagrams and Circuit Board Illustration. Next, the major circuitry for each circuit board is described using detailed block diagrams, as necessary, to show the relationship between stages. Detailed schematic diagrams for each circuit are located in Section 10-Diagrams section at the back of this manual; refer to these schematics throughout the following circuit description for specific electrical values and relationships.

The logic convention (L) is used throughout the text in this section to denote an active Low signal.

#### SG 5030 Overview

The SG 5030 generates a high spectral purity sine wave whose amplitude is constant over a broad frequency range. In addition, both frequency and amplitude are programmable over the GPIB. The frequency range is 0.1Hz to 550.00000MHz. The frequency setting resolution is 0.1Hz between 0.1Hz and 4.9999kHz, 1Hz between 5.000kHz and 49.999kHz, and 10Hz between 50.00kHz and 550.00000MHz. The output amplitude range is 4.5mV to 5.5V pk-to-pk (-42.95dBm to 18.75dBm, resolution 0.05dB). The amplitude setting resolution is 0.02mV between 4.50mV and 55.00mV, 0.2mV between 55.2mV and 550.0mV, and 2mV between 552mV and 5.500Volts.

#### **Frequency Control Operation**

Two separate signal paths are used to generate the output sine wave, depending on the frequency selected. The Low Frequency (LF) signal covers the range of

0.1Hz to 49.999kHz. This signal is generated by the DDS (direct-digital synthesizer) and directly drives the LF Preamp and Output Amplifier. The High Frequency (HF) signal covers the range of 50.00kHz through 550.00000MHz. The HF signal is generated by mixing two voltage-controlled oscillators (Wide Loop and Narrow Loop) and coupling the difference frequency to the Output Amplifier. The Wide Loop VCO is stepped in 10MHz steps (920MHz to 1470MHz) and is used for coarse frequency control. The Narrow Loop VCO is stepped in 10Hz steps (910.00000MHz 919.99999MHz) by the DDS Loop signal and is used for fine frequency control. The frequency accuracy of the SG 5030 is determined by the 10MHz Timebase Oscillator which directly or indirectly feeds all the frequency generation circuitry. This 10MHz Timebase Oscillator is voltage controllable and can be phase-locked to a precision external 10MHz reference for even greater frequency accuracy.

#### **Amplitude Control Operation**

Coarse control of the output amplitude is provided by two 10X attenuator networks in the Leveling Head. Two separate signal paths provide fine control of the sine-wave output amplitude; one for 0.1Hz to 49.999kHz (LF), and one for 50.00kHz to 550MHz (HF).

The LF amplitude is controlled through a multiplying DAC (located in the LF preamp control block on the A7-Output board). The LF Sense Signal from a resistive divider at the Output Amplifier output completes a feedback loop that determines the system gain between the multiplying DAC and the output signal to the Leveling Head.

The HF amplitude is controlled by a PIN diode attenuator whose gain is controlled by a feedback signal from the Leveling Head. The Leveling Head peak-detecting diodes return a signal (essentially DC that is proportional to peak output) which is compared to a level set by the HF level DAC (U6161 schematic 17) located on the A5 RF circuit board. The error amplifier changes the PIN attenuation until the levels match.

#### Front Panel and GPIB Operation

The SG 5030 receives commands to change its operation from either the front-panel controls or from the GPIB. Once the instrument firmware accepts the command, the instrument is configured to the new setup. All front panel displays and controls communicate with the instrument through the CPU.

#### Internal Serial Bus

The CPU communicates with the rest of the instrument through the A2-Interconnect board. The CPU sends serial data on one data line along with a serial clock on one clock line to each of the circuit boards in the instrument. All serial data loops receive the same data.

The serial data loop that is to be set is then strobed through one of the 6 strobe lines being used. All control of the instrument operation is through these 8 lines.

#### **Hardware Diagnostics**

The SG 5030 performs several diagnostic checks upon power up. If errors are detected, error messages will be shown in the readout display. See Table 3-3 in the Programming section for a complete list of the error codes that are shown in the readout display.

During normal operation the various frequency and amplitude control loops will report an error to the CPU through the A2-Interconnect board if a problem is detected. These errors will indicate a frequency loop not in lock or the HF amplitude leveling circuit cannot maintain amplitude leveling. These errors are also displayed on the readout display until cleared by pushing a key on the front panel.

#### **Rear Interface Signal Connections**

Signal connections can be made to the rear-edge-connector of the SG 5030 for a 10MHz External Timebase input and a 10MHz Timebase output signal. The A6-Timebase signals (TBOUT and EXTTB) are connected through coaxial cables, either to the front panel or to a connector on the A6-Timebase board near the rear-edge connector.

# **Block Diagram Description**

Seven circuit boards plus the amplitude leveling head comprise the SG 5030. The primary task of each circuit board is as follows:

#### **A1-Front Panel Board**

The A1-Front Panel board contains the readout display used to indicate the current amplitude or frequency settings. This board also contains the Control Knob and push-button switches used to set the frequency, set the amplitude, initiate the adjustment procedure, store or recall front-panel setups, initialize all 20 front panel setups, or set the GPIB address and message terminator.

#### **A2-Interconnect Board**

The A2-Interconnect Board is used to distribute power from the various power supplies located on the A4-DDS board, A6-Timebase Board, and the A7-Output Board. This board also distributes the control lines used by the CPU to configure the circuits as required for the various settings and functions.

#### A3-CPU Board

The CPU issues data and commands to the other circuit boards over the serial bus by way of the Interconnect Board and to the front panel display over the front panel interface ribbon cable.

#### **A4-DDS Board**

The A4-DDS Board contains the circuity to control the fine resolution frequency generation in the HF mode, and to generate the LF mode frequencies directly. The fine resolution frequency of the HF mode is coupled to the A5-RF Board through the DDSSIG cable. The frequency range of this signal is 11.000000MHz to 11.999999MHz. The LF frequency is differentially coupled to the LF Preamp Control circuit on the A7-Output Board via the LF+ and LF- cables. The frequency range of this signal is 0.1Hz to 49.999kHz.

#### A5-RF Board

The A5-RF Board contains the circuitry to generate the HF signal (50.00kHz to 550MHz) and control its amplitude. The Wide Loop block contains the circuitry to step the output frequency in 10MHz steps while the Narrow Loop block uses the DDSSIG (11.000000MHz to 11.999999MHz) to step the output frequency in 10Hz steps. The Amplitude Control circuitry uses the detected output from the leveling head to maintain the output amplitude constant regardless of HF frequency setting, and sets the output amplitude using information received from the CPU. The nominal amplitude output from the A5-RF Board is 1dBm when the programmed output amplitude is 18.75dBm (5.5V pk-to-pk).

#### A6-Timebase Board

The A6-Timebase Board contains the 10MHz reference oscillator. This oscillator is a VCXO (voltage controlled crystal oscillator) which can be phase locked to an external 10MHz reference frequency. The 10MHz Timebase frequency is connected to the A4-DDS Board and the A5-RF Board and is used as the internal frequency reference. This 10MHz Timebase frequency is also connected to a front panel BNC connector (TIMEBASE OUT) and can be used as a frequency reference for other instruments.

#### **A7-Output Board**

The A7-Output board provides power amplification for both the LF and HF frequencies. The LF Preamp Control Circuitry is used to set the LF output amplitude in combination with the programmable attenuators in the Leveling Head. The gain of the Output Amplifier on the output board is a nominal 24dB. The A7-Output Board also contains the circuity to maintain 0VDC at the output of the Leveling Head.

#### Leveling Head

The Leveling Head provides circuitry to detect the amplitude of the HF amplitude and to attenuate the output signal in two 20dB steps. The leveling head is not field serviceable.

# **Circuit Theory Notes**

#### **Frequency Synthesis**

The SG 5030 develops its output frequency from a single 10 MHz reference source using phase-locked loop techniques. A typical frequency synthesis loop is shown in Figure 4-0. The highly stable frequency reference,  $f_{\text{REF}}$ , is one input to the phase/frequecy detector. The phase/frequency detector outputs an error correction voltage which drives the loop into frequency lock with a mixer in the loop and phase lock without the mixer. Assume as a first example that there is no mixer or divider in the feedback path of the loop. Then under lock conditions the phase/frequency detector outputs narrow correction voltage pulses which are integrated by the Low Pass Filter generating a control voltage, V, which forces the voltage voltage-controlled oscillator (VCO) output frequency and phase to match that of the input reference. If there is a divider in the loop feedback path of divide ratio N, then the output frequency of the VCO is multiplied up in frequency by a factor of N. If a mixer is also inserted in the loop feedback path following the VCO, then the output frequency is shifted in frequency by the applied mixer frequency, foreset. Since the mixer generates a broad spectrum of sum and difference harmonics, a filter is required after the mixer to select the correct frequency to apply to the divider or phase detector.

#### **Signal Power Notation**

Since at high frequencies it is easier to measure power than voltage, the A5 RF Board schematics often show the signal level in terms of dBm. This notation refers to a power ratio compared to 1 milliwatt:

$$10 \log \left( \frac{P}{1 \ mW} \right)$$
.

As an example, 0 dBm represents 1 mW, 10 dBm represents 10 mW, and 20 dBm represents 100 mW. It is possible to convert the dBm values into voltage into a specified load. In the typical case, the SG 5030 load resistance can be assumed to be 50 ohms. The equations that can be used to convert power in dBm to volts are shown below:

$$XdBm = 10 log \left(\frac{P}{1 mW}\right)$$

$$P = \frac{V_{ms}^2}{R_0} = \frac{V_{ms}^2}{50} \text{ for } R_0 = 50 \text{ ohms}$$

$$Vpp = 2\sqrt{2} \text{ Vrms}$$

$$\left(\frac{XdBm}{10} - 3\right)$$

$$Vpp = 20 \text{ X } 10$$

#### **ECL Signal Levels**

Several of the frequency control circuits in the SG 5030 ECL integrated circuits are operated from a +5 V supply rather than a more conventional -5.2 V supply. This shifts the normal ECL logic levels. Using a +5 V supply results in a ECL logic HI of about +4.1 V and an ECL logic LO of about +3.3 V. The threshold voltage, VB, under these conditions is about +3.7 V. A threshold voltage supply is generated locally at several of the ECL ICs where the input signals are AC-coupled in order to minimize noise and reduce the effect of DC voltage offsets between circuit boards.

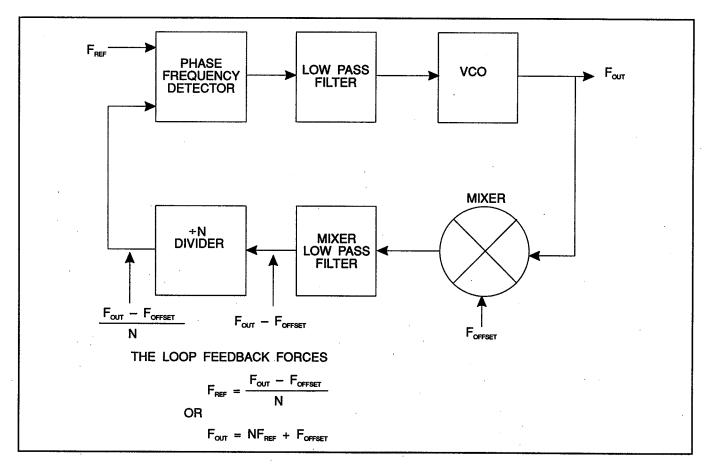


Figure 4-0: Frequency Synthesis Loop

# Detailed Circuit Description

Refer to the schematic diagrams while reading this Detailed Circuit Description. Complete schematic diagrams are provided in the rear of this manual. Each diagram is divided into functional blocks that are bordered with dotted lines. The detailed Circuit Description subheadings provide schematic boxed numbers that refer to the appropriate schematic.

Assembly numbers (A numbers) identify components and the board these components are mounted on. The designation A7R2000 identifies the board as assembly A7 (the output board), and the component number as resistor R2000.

# A1-Front Panel Board Schematic 1

The A1-Front Panel Board circuitry is composed of four functional sections; 1) the seven-segment LEDs in the readout display, 2) the discrete LED indicators, 3) the switches, and 4) the control knob rotary encoder..

The seven-segment LEDs in the readout display are multiplexed by U2071 on the A3-CPU Board.

The discrete LED indicators are multiplexed by U3071 on the A3-CPU Board.

The switches are scanned by U3080 on the A3-CPU Board. U3080 is operated in expanded mode through the use of U2010 on the A1-Front Panel Board, which allows more than the standard 20 switches to be handled.

The rotary contacting switch, SW2030, on the front panel was included in the switch matrix on earlier models of the SG 5030, but was replaced with a quadrature encoder with two phased outputs.

# A2-Interconnect Board Schematic 5

The A2-Interconnect board provides for communication to and from the A3-CPU Board, for routing of power supplies, and for passing of a few special signals between circuit boards. There are also power supply regulators and filter components located on the board.

SG 5030 signal generation is controlled by signals from the A3-CPU Board which are sent over a serial data bus common to the A4-DDS, A5-RF, A6-Timebase, and A7-Output Boards. The serial data is sent over the SDATA line and is clocked into all the serial shift register groups by the SCLK line. The data is sent from the CPU 8 bits at a time, and is latched into the appropriate shift register group by one of the strobe signals, for example DDSSTB(L). For shift register groups that are longer than 8 bits in length, multiple bytes are sent from the CPU over the serial data bus before the appropriate strobe signal latches the data into the selected register.

The A3-CPU board also receives status signals back from the signal generation circuits over the A2-Interconnect Board. These signals are active low indicators of error conditions in the phase-locked-loop circuits and leveling head, or indicate status of the External Timebase Clock with the EXTREF(L) signal. These status signals are sampled by the A3-CPU Board processor as part of its periodic polling sequence. Detection of activity on these status signals will cause the processor to activate appropriate indicator lights on the Front Panel and may cause SRQs to be generated on the GPIB bus.

Power supply regulators are located on the A4-DDS, A6-Timebase, A7-Output, and A2-Interconnect Boards. The A2-Interconnect Board also provides power supply connections between the boards. The A4-DDS Board generates the +5VD supply which supplies power to the CPU and A1-Front Panel Boards and the -5.2V supply which is used only on the A4-DDS Board. The A6-Timebase Board generates the +5VA and +16V supplies which are bussed to all the signal generating boards. The A7-Output Board generates power supplies which are used locally by the Output Hybrid and supplies -26V from the power module for use by one of the A2-Interconnect board regulators.

A2-Interconnect board contains two three-terminal IC regulators which provide +12V (U2060) and -15V (U4050) to the analog signal boards.

The Leveling Head relays are controlled by signals which are routed through several boards by the A2-Interconnect board. A change in the state of the leveling head relays is initiated by the RELAY TRIG signal on the A4-DDS board. The RELAY TRIG signal is a bit in the DDSCNTL register which the A3-CPU board processor sets HI to start the activation cycle. The RELAY TRIG signal is sent as a trigger signal to a one-shot on the A6-Timebase board which generates the RELAY (L) signal. This approximately 7ms wide RELAY(L) signal is then sent to a driver on the A7-Output board which actually pulses the Leveling Head maglatch relays.

# A3-CPU BOARD Schematics 2, 3, 4

The A3-CPU board provides the intelligence for instrument control. It processes the various inputs from the front panel and the GPIB, and outputs information back to the front panel. The A3-CPU board also sends data to control the other circuit boards in the SG 5030.

LED Indicators | Schematic 2

The four LEDs on the A3-CPU board are used for diagnostics during power-up self test:

Diagnostic Test	LED Number (DS)							
Results	1030	1040	1041	1042				
EPROM kernal failure	off	on	on	on				
NVRAM kernal failure	on	off	on	on				
RAM kernal failure	off	off	on	on				
Normal kernal operation	off	off	off	off				

Rear Panel Switch Schematic 2

The Rear Panel switch, SW3020, on the A3-CPU board is used to configure the instrument at power up. For normal operation, all toggles are set for open contacts (the contacts are closed when the toggle is depressed to the left, facing the rear of the instrument). The following functions are activated when the contacts are closed:

Toggle	Function
1	Reinitialize Firmware
2	Diagnostic Bypass
3	Enable Adjustment
4	Not used

68000 Microprocessor Schematic 2, 3

The digital CMOS 68HC000 microprocessor (U4040) is the heart of the A3-CPU board. Oscillator Y3040 provides a 10MHz clock for system operation. The power-on reset integrated circuit U4070 generates the RESET signal. U4070 also generates the HALT signal through transistor Q5070. The microprocessor fetches its program information from EPROMs U2051 and U3050, which are a pair of 27C512s. These two integrated circuits are bottom justified in their sockets because these sockets can also accommodate 27C010s. Variables are stored in RAMs U2060 and U2070. Calibration constants and stored settings are held in the two battery backup NVRAMs U3060 and U3070. Configuration information and CPU diagnostic display codes are accessed via the 16L8 PAL, U1050. The address decoding for the chip select generation for these parts comes from a 22V10 PAL, U4050, which also generates DTACK for everything except the LCA, U4020. Additional chip select generation comes from a 20L10 PAL, U2050. CMOS timer U2041 generates narrow pulses at approximately 100Hz to act as a clock for the microprocessor to do task switching and to generate long delays.

Jumpers J4020 and J4021 allow the microprocessor to execute read only instruction opcodes from resistor packs R1046 and R4080. When the jumpers are both between pins 1 and 2 the microprocessor will continuously walk the address space. No chip selects will be generated from either PAL. Normal operation occurs when both jumpers are between 2 and 3 which is simply a neutral storage position. The A3-CPU board can be manually reset by shorting the two pins of J4070 together.

GPIB Interface Schematic 3

The GPIB interface is composed of integrated circuit U2010, and GPIB drivers U1020 and U2020. The driver chips feed the GPIB via the circuit board edge connector P2010 at the rear of the instrument.

# LCA Schematic 3

LCA (Logic Cell Array) U4020 performs a number of functions including Interrupt acknowledge, VPA generation, Interrupt masking and priority encoding, DTACK generation for its address space, and general I/O for instrument control.

When the microprocessor receives an interrupt, it asserts all ones on FC0-FC3, indicating an interrupt acknowledge cycle. The LCA is configured to recognize this and assert a zero on the VPA line telling the microprocessor to autovector to the interrupt service routine.

The LCA is configured to provide the ability to mask off any of the interrupts in order to disable them independently. If an interrupt is not masked off and it arrives at the LCA, it is sent on to the priority encoder which generates the appropriate interrupt level.

DTACK is generated by the LCA for all of its valid internal addresses. The LCA also generates an active low Valid Peripheral Address (VPA) signal when the keyboard encoder is accessed. This enables the microprocessor to execute a slower 6800 timing cycle and allows the keyboard encoder chip to fully assert its data to the proper levels. Communication with the rest of the instrument is provided through the LCA. This takes place in three forms; 1) serial output, 2) strobes, and 3) Istatus signal inputs. The microprocessor writes bytes out to the instrument in a serial format, accompanied by a clock through the LCA. Once the serial data is sent, one of the strobes is asserted to latch the data into its appropriate location. Status signals are sent back from the instrument for circuit status to be monitored through the LCA.

Front Panel Interface Schematic 4

The front panel display is driven by two 7218 display drivers: the seven segment LED displays are driven by U2071, and the discrete LEDs are driven by U3071. The front panel switches are scanned by keyboard encoder U3080. The keyboard encoder is used in a partially expanded format where the microprocessor can read an additional line from the key matrix via the two PALs. This line is labeled D5 (J3081, 43). The A3-CPU board communicates with the Front Panel board through connector J3081.

The front panel control knob encoder outputs, ENC2A and ENC2B, are decoded and stored in the quadrature decoder IC, U1080. The up/down count information is read by the microprocessor as part of its normal scanning routine.

## A4-DDS BOARD Schematics 8, 9, 10, 11

The A4-DDS board contains a programmable 24-bit Direct Digitally Synthesized sine-wave generator. The DDS provides the LF signal (0.1Hz to 49.9999kHz) directly to the A7-Output board. It also provides the fine tune (10Hz resolution) control of the HF signal to the RF boards for frequency control within the 10MHz coarse steps. The fine tune HF control signal does not come directly from the DDS generator, but is mixed up 10 MHz from a 1 to 2 MHz base frequency to 11 to 12 MHz in the DDS Loop. Refer to Figure 4-1.

DDS Clock & DDS | Schematics 8, 9

The timing reference signal for the DDS comes from the A6-Timebase board as the DDSREF signal. This 10MHz timebase clock is first buffered from ECL to TTL levels by U1050. The clock is then passed to the DDS Clock Multiplexer that selects, under processor control, either 10MHz, 10MHz divided-by-six, or DC (see Table 4-1). The 10MHz clock is selected for all frequencies 5kHz and greater. The divide-by six clock (1.67MHz) is selected for frequencies below 5kHz for better LF frequency resolution. The DC state is selected when the output is off, which stops the DDS generator. An additional state is for processor control of the DDS clocking to set the DDS output to a specific DC voltage for LF signal calibration. The DDS Clock circuit also provides a filtered 10MHz signal, DDS OFFSET, to the DDS Loop mixer.

As shown in Figure 4-1, the DDS output signals are generated by a Waveform DAC. This DAC is controlled in turn by a Sine-Wave Map stored in nonvolatile memory. The Sine-Wave Map contains a digitally encoded representation of a half period of a sine wave. The other half period of each sine wave cycle is reconstructed by the symmetry of a sine wave and the address counting scheme for the Map memory. The address control for the Sine-Wave Map comes from the 24 bit Phase Accumulator (U2070). The phase Accumulator output is a 24 bit encoded phase vector representing the phase of the DDS signal. Only the upper 12 bits of this phase output are available at the Phase Accumulator IC pins, and only 11 bits are actually used as addresses by the Sine-Wave Map in a count-up/count-down pattern. The phase accumulator may be thought of as a sine-wave phase generator

which rotates the phase vector on each edge of the DDS clock an amount determined by the tuning word. The frequency of the DDS is controlled by a 24 bit TUNE word and the DDS clock frequency:

DDS FREQ =(TUNE \* DDSCLK FREQ)/16777216

For example, if the DDS clock frequency is 10.000000MHz and the 24 bit TUNE word is HEX 19999A (1677722), the DDS frequency is 1.000000MHz.

The A4-DDS board interfaces to the CPU with two registers; an 8 bit control register, and a 24 bit TUNE register. The 24 bit TUNE register controls the output frequency of the DDS. The lower four bits of the control register control the DDS clock as described earlier. The RELAY\_TRIG bit is sent off to the A6-Timebase board to initiate the timing pulse for the leveling Head attenuator latching relays.

The DDS DAC is a current output device which drives 40mA p-p into the doubly terminated transmission lines that are connected to the A7-Output Board (LF+ and LF-). The LF- signal is also buffered by U4030 and supplies the reference frequency input to the DDS loop for SG 5030 output frequencies of 50kHz and greater. This buffered signal is low-pass filtered before driving the DDS Loop phase detector (U2021) input. The signal is also AC-coupled and requires an ECL termination voltage of about 3.7V which is supplied to both phase detector inputs by U2020. The 3.7 volts is available as an output on U2020 pin 11, and the ECL gates of U2020 are used as unity gain amplifiers to supply a buffered termination voltage.

DDS Loop Schematic 10

The DDS Loop phase detector output correction pulses are filtered by the Loop Filter (U4020), which supplies the frequency control voltage to the DDS VCO (Q6000). The Loop Filter output is attenuated by R5014, R5010, and R5013 to limit the range of frequency control of the DDS VCO. The DDS VCO is a Colpitts oscillator configuration using a JFET as the active device. The oscillator resonant tank is made up of L6010, C6002, C6000, and the voltage variable capacitance of CR5010 and CR6010. The DDS VCO is buffered by an ECL receiver (U4000) which provides the DDSSIG of 11 to 12 MHz in 1Hz steps to the A5-RF board. The same VCO signal from another ECL buffer is low-pass filtered and amplified by U3000 to provide the LO port signal to the Loop mixer (U1000).

Table 4-1: DDS\_CLK, SEL\_A & SEL\_B Bits Truth Table

SEL_B SEL_A		DDS_CLK	Function		
0	0	1.67MHz	Frequencies from 0.1Hz to 4.999kHz.		
0	1	Off	No clock output.		
1	0	DDSCAL_CLK	Used to set DC volts out of the DDS for LF CAL.		
1	1	10MHz	Frequencies from 5.000kHz to 550.00000MHz.		

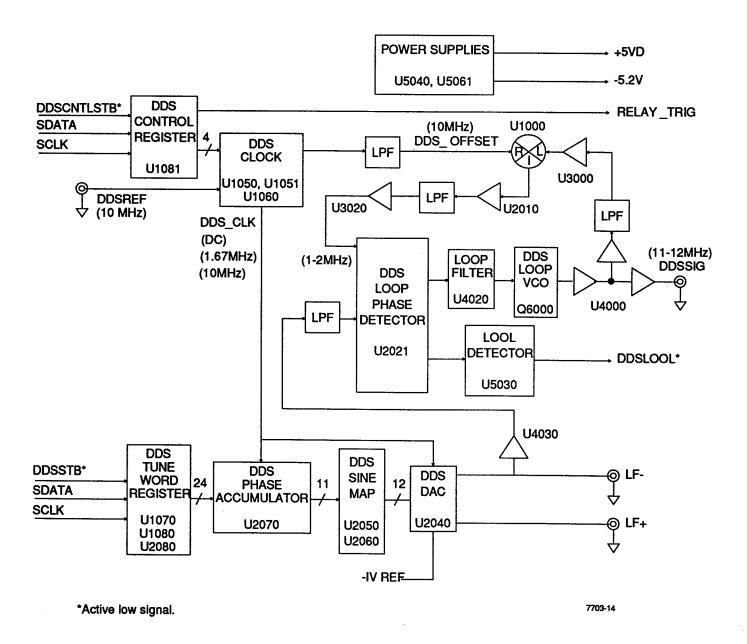


Figure 4-1: DDS Board Block Diagram

The RF port signal to the Loop mixer is an attenuated DDS OFFSET signal of 10MHz. The IF port output signal from the Loop mixer is terminated, amplified (U2010), low-pass filtered, attenuated, and amplified again (U3020), before being applied to the feedback port of the DDS Loop phase detector.

When the DDS Loop is locked, the phase detector (U2021)  $\overline{U}$  and  $\overline{D}$  outputs are at an ECL HI (4.2V) except for narrow spikes going LO at twice the input frequency. The U and D outputs are at an ECL LO (3.2V) most of the time, which puts the Loop Out of Lock comparator (U5030) pin 3 at 3.2V also. Since pin 3 of U5030 is set to about 3.45V, the comparator output is at a TTL HI. If the DDS Loop comes out of lock, the phase detector U and D outputs go HI for a sufficient duty cycle to cause the comparator output to switch to a TTL LO.

Power Supplies | Schematic 11

The power supplies generated on the A4-DDS board are +5VD, which is used only by the A3-CPU board, and -5.2V, which is used only by the DDS DAC There are also three small regulators which are used to supply individually regulated power to amplifiers in the DDS Loop. The +5VD supply is regulated by U5061 from the +8V power module (mainframe) supply, and uses the mainframe NPN as its series pass transistor. The -5.2V supply is regulated by U5040 from the -26 V mainframe supply and uses the mainframe PNP as its series pass transistor.

The +5VD and -5.2V supplies use 723 style regulators (see Figure 4-3) as their error amplifiers. The reference voltage for the +5VD regulator is supplied from U5060. The voltage reference IC, U5060, also provides the stable source for the -1V  $_{\rm REF}$  Amplifier (U5050). This -1V  $_{\rm REF}$  is used by the DDS DAC to establish a stable full scale output current. The -1V  $_{\rm REF}$  is also used as the reference voltage for the -5.2V regulator.

The +5VD regulator supplies its load from a darlington emitter-follower configuration using the mainframe NPN as the main series pass transistor. The -5.2V regulator utilizes the mainframe PNP in a composite emitter-follower configuration where the U5040 internal zener diode is used between the error amp output emitter-follower and the mainframe PNP base. This zener is needed to keep the 723 error amp within its dynamic range. R4053 is used in this composite output stage to provide bias current for both emitter followers.

The +5VD supply current limit circuit uses R5080 as the current sense resistor and the 723 internal limit transistor. The -5.2V supply use U4060 as the current

sense and Q4050 as the limit transistor which reduces the base drive to the mainframe PNP in overcurrent conditions.

A5-RF BOARD Schematics 12, 13, 14, 15, 16, 17

The RF board synthesizes frequencies from 50kHz to 550MHz by multiplying and mixing the 11 to 11.999999 MHz signal received from the A4-DDS board, and the 10MHz signals received from the A6-Timebase board. The A5-RF board controls the output frequency in 10MHz steps. The A4-DDS board controls the output frequency of the A5-RF board in 10Hz steps by moving its 11MHz to 11.999999MHz signal in 1Hz steps (refer to Figure 4-2). The A3-CPU board coordinates these two frequency controls to provide contiguous 10Hz frequency steps over the full 50kHz to 550MHz range of the A5-RF board. The A3-CPU board also sets the output amplitude on the A5-RF board. The amplitude level control loop adjusts the amplitude of the sine wave output from the A5-RF board to maintain the set amplitude at the leveling head output, using feedback from the leveling head.

Offset Loop Schematic 12

The offset loop (VCO U7060 and surrounding circuitry) is a phase-locked loop that produces an 800MHz reference using the 10MHz reference from the A6-Timebase board at J9010. The output of this loop drives the LO port of mixer U4060 in the Narrow Loop.  $50\Omega$  resistor attenuation pads provide isolation between the VCO U7060 and mixer U4060. Cascaded RF prescalers U6050 (divide-by-4), U6031 (divide-by-4) and U6020 (divide-by-5) divide the VCO frequency by a total of 80. Phase/frequency comparator U8020 converts a frequency or phase difference to pulses (minimum pulse width when phase difference is zero). Operational-amplifier U8040 filters and integrates these pulses to produce a voltage that tunes the VCO U7060 to phase lock the divide-by-80 output at U8020 with the 10MHz reference from J9010.

Narrow Loop Schematic 13

The narrow loop (VCO U2060 and surrounding circuitry) is a phase locked loop that produces frequencies from 910MHz to 919.99999MHz using the 800MHz reference from the offset loop (VCO U7060) and the 11MHz to 11.999999MHz from the A4-DDS board at J1011. The output of the narrow loop drives the RF port (pin 1) of mixer U3110 through the PIN attenuator. Amplifiers and attenuation pads provide isolation between VCO U2060 and mixer U3110. The output of VCO U2060 is mixed with the 800MHz from VCO U7060 at U4060, producing

the difference frequency, amplified (U4050) and filtered for the ECL divide-by-10 (U4020). This difference frequency, divided by 10, is compared to the frequency from the A4-DDS board at J1011 at U3020. Phase/frequency comparator U3020 converts a frequency or phase difference to pulses (minimum pulse width when phase difference is zero). Operational-amplifier U2040 filters and integrates these pulses to produce a voltage that tunes the VCO U2060 to phase lock the divide-by-10 output from U4020 with the 11MHz to 11.999999MHz reference from J1011.

Atten, Final Mixer, and Amplifier Schematic 14

The final mixer (U3110) produces 50kHz to 550MHz the narrow loop output (910MHz 919,99999MHz) and the wide loop output (920MHz to 1460MHz). The amplitude level control loop adjusts the output amplitude by controlling the PIN attenuator U2100. The output of mixer U3110 is filtered and amplified to drive the output board. Relays K3180 and K2180 attenuation the signal when smaller output voltage is required. The two attenuators associated with relays K2180 and K3180 are used to reduce the dynamic range requirements of the RF part of the signal for the final mixer (U3110) resulting in improved signal to noise ratio. Transistor Q7190, on schematic 17, switches off the power to the VCOs when no output is required from the RF board. K3180, K2180, and Q7190 are controlled by the same shift register (16 bits) that controls the drive-by-N for the wide loop.

Wide Loop Schematic 15, 16

The wide loop (VCO U6090 and surrounding circuitry) is a phase-locked loop that produces frequencies from 920MHz to 1460MHz steps using the 10MHz reference from the A6-Timebase board at J5140. The output of this loop drives the LO port of mixer U3110. Amplifiers and attenuation pads provide isolation between mixer U3110, VCO U6090 and frequency divide-by-4 U9080. Amplifier U8100 brings the divided frequency up to an ECL logic level. ECL 8 bit counter U8110 functions as a frequency divide-by-N. U8110 outputs Q4, Q5, Q7 and Carry-not are wire-OR connected to reload the counter whenever it counts down to zero. The counter reload byte values for D0-D7 are 91 to 145 for 920MHz to 1460MHz. The counter will stop in the reload state unless at least one of the three wire-OR bits (Q4, Q5, Q7) is loaded with a 1. Serial-to-parallel shift register U8120 provides the 8 reload bits at +3.6 volt CMOS logic levels compatible with the ECL counter's logic inputs. Serial clock, data and strobe inputs to U8120 come from +5V CMOS logic through level shifting resistors. ECL counter U8110 output Q6 is the VCO U6090 frequency divided by Nx4 (2.5MHz during normal operation). U6140 produces a 2.5MHz reference from J5140. Phase/frequency comparator U6130 converts a frequency or phase difference to pulses (zero pulse width when the phase difference is zero). Operational-amplifier U7110 filters and integrates these pulses to produce a voltage that tunes the VCO U6090 to phase lock the ECL divide-by-N U8110 output with the 2.5MHz reference from U6140. Comparator U6120 keeps the voltage input to VCO U6090 from straying too low (VCO stops) or too high (divide-by-N miscounts).

Amplitude Control Schematic 17

The amplitude level control loop compares the voltage from the DAC U6161 set by the A3-CPU board to the voltage from the detector diodes in the leveling head. There are two pairs of diodes in the leveling head, one pair to detect the peak-to-peak voltage at the leveling head, the other pair to allow compensation for the forward voltage of the detector diodes. Dual op-amps U6182 and U5181 buffer and scale the difference voltage from the leveling head to compare with the DAC voltage, and send this error voltage to quad op-amp U5180. Operational-amplifier U5180B integrates the error voltage and controls the A5-RF board output amplitude via the PIN attenuator U2100. Diode CR5170 speeds up the transient response of U5180B. U5180C sets the bias current for the detector diodes in the leveling head. U5180A increases the bias current when the error voltage is large to speed up the transient response of the detector diodes.

# A6-TIMEBASE BOARD Schematics 6, 7

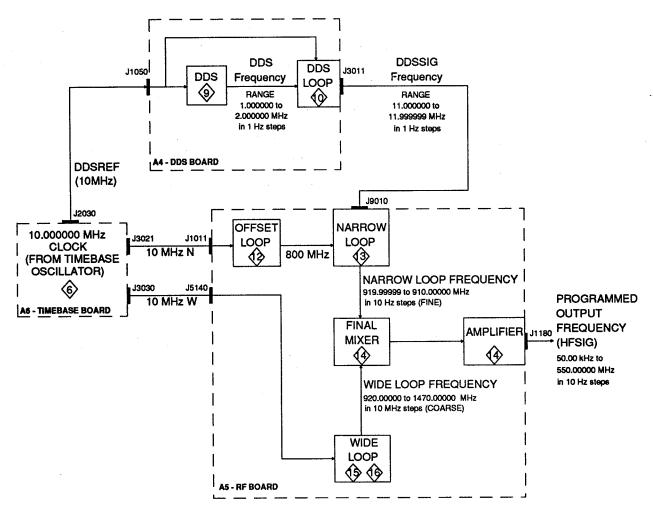
The A6-Timebase board provides a very accurate and stable timing reference signal to the frequency generation circuitry in the SG 5030. The source of the timing signals is a voltage-controlled crystal oscillator (VCXO). This VCXO (U2040) can be frequency locked to an external timebase standard such as WWV for improved frequency accuracy of the SG 5030 output. Refer to Figure 4-3.

Ext. Timebase Lock Loop, Oscillator and Buffer

#### Schematic 6

The external timebase input (EXTTB) is DC and AC terminated by R3016, C3020, and R3015. The EXTTB signal is then limited by R3014, CR3010, and CR3020 and coupled to an ECL buffer stage (U2010A). One output of the ECL buffer drives a discrete ECL-to-TTL

4-10



7703-17

Programmed Output Frequency (HFSIG)	DDS Frequency	DDSSIG Frequency	Narrow Loop Frequency	Wide Loop Frequency
50.00 kHz	1.995000 MHz	11.995000 MHz	919.95000 MHz	920.00000 MHz
10.00000 MHz	1.000000 MHz	11.000000 MHz	910.00000 MHz	920.00000 MHz
10.00001 MHz	1.999999 MHz	11.999999 MHz	919.99999 MHz	930.00000 MHz
10.00002 MHz	1.999998 MHz	11.999998 MHz	919.99998 MHz	930.00000 MHz
100.00000 MHz	1.000000 MHz	11.000000 MHz	910.00000 MHz	1010.00000 MHz
102.50000 MHz	1.750000 MHz	11.750000 MHz	917.50000 MHz	1020.00000 MHz
105.00000 MHz	1.500000 MHz	11.500000 MHz	915.00000 MHz	1020.00000 MHz
107.50000 MHz	1.250000 MHz	11.250000 MHz	912.50000 MHz	1020.00000 MHz
550.00000 MHz	1.000000 MHz	11.000000 MHz	910.00000 MHz	1460.00000 MHz

These frequencies are assuming a time base frequency of 10.000000 MHz.

Figure 4-2: Frequency Loop Relationships

convertor which provides the trigger signal to the external timebase detector. The external timebase detector (U3000B) is a retriggerable one-shot that provides an indication to the microprocessor that an external timebase signal has been applied to the SG 5030. The time constant of U3000B has been chosen so that the EXTTB (L) signal to the microprocessor is an active TTL LO only for input frequencies greater than 5MHz. The U3000B active HI output also controls the multiplexer signal to the frequency control input of the VCXO. In order for the

external timebase phase-locked loop to lock, the external timebase signal must be within a few parts per million of the 10MHz VCXO center frequency. This VCXO center frequency is also mechanically adjustable over a narrow range through a trimmer adjustment internal to the VCXO.

The second signal from the external timebase buffer (U2010A) provides the reference frequency to the external timebase loop phase detector (U1000). The other input of the phase detector is a buffered version of the VCXO output. When the external timebase loop

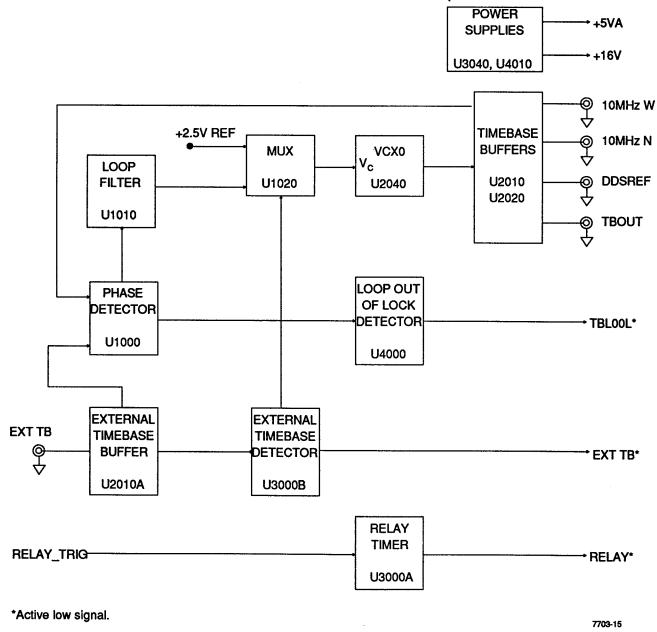


Figure 4-3: Timebase Board Block Diagram

is locked, the  $\overline{U}$  and  $\overline{D}$  signal from U1000 are at an ECL HI (4.2V) most of the time except for narrow correction spikes at twice the timebase frequency. The phase detector U and D signals go to the loop filter (U1010) which provides a frequency control signal of 0 to 5 V to the VCXO. This control signal is limited by R1020, CR1020, AND CR1030. If an external timebase signal has been detected by U3000, its Q output turns on U1020A and turns off U1020D. The loop filter signal then passes through 1020A and is filtered by R1031 and C1031 before driving the voltage control input of the VCXO. When no external reference signal is detected, the Q output of U3000 turns off U1020A and turns on U1020D which provides a stable +2.5V reference signal to the voltage control input of the VCXO.

When a signal of sufficient amplitude and approximately the correct frequency is applied to the external timebase input the EXTTB (L) signal goes to a TTL LO. This is detected by the microprocessor in its polling routine and the microprocessor then activates the External Timebase Active LED on the front panel. If the external timebase input signal activates the detector (U300B) but is not within the required narrow frequency range to lock the VCXO, the loop will be out of lock. When this occurs the phase detector (U1000) U and D outputs will not be at an ECL L0 (3.2V) most of the time, as when the loop is locked, but will go HI for a long enough duty cycle to trigger the U4000 comparator and force the TBLOOL (L) signal to a TTL LO. This indicates an external timebase loop out of lock state to the microprocessor which will turn on the UNLOC LED if the external timebase ACTIVE LED is on. The timebase signal from the VCXO is distributed to several places in the SG 5030, with ECL buffers U2010 and U2020. These several outputs are series terminated with resistors, and AC-coupled at the circuits they drive. The exception is the TBOUT signal. which is also protected from external signals with diode limiters CR2020 and CR2021.

Power Supplies | Schematic 7

The +16V and +5VA power supply regulators are located on the A6-Timebase board and supply power to the A4-DDS, A4-RF, and A7-Output boards The +16V supply is regulated off the +26V supply in the TM 5000-series power module (mainframe) and uses the mainframe PNP as its pass transistor. The +5VA regulator is regulated off the +8V supply in the mainframe and uses the mainframe NPN as its pass transistor. Both the +26V and +8V mainframe supplies are fused and filtered on entry to the A6-Timebase

board. Both the +16V and +5VA supplies use a 723 type regulator (U3040 and U4010) as the error amplifier and current limiter. The internal block diagram for the 723 regulator is shown in Figure 4-4. The reference voltage for both supplies is provided by +2.5V from U3020.

The +5VA supply regulator action occurs as follows. If the +5VA output voltage drops slightly due to a sudden increase in load, a drop also is sensed at pin 4 of U3040 which is the inverting input to the 723 error amplifier. This causes the 723 error amplifier to increase the drive to the darlington pair made of the 723 internal pass transistor and the mainframe NPN transistor. This increase in current from the darlington pair continues until +5VA supply rises to its normal level. The +5VA has foldback current limiting with the R3041, R4040 pair providing the current limit sense. If, due to a fault condition, the voltage across this resistor pair exceeds the base-emitter turn-on voltage of the 723 current limiter transistor, the current limiter transistor removes base drive from the series pass transistors and limits the current available to the load. The R3043, R3051 resistor pair provides a foldback current limiting by attenuating the current limit sense voltage and delaying the start of current limit action.

The +16V supply regulator operates in a very similar manner to the +15VA regulator just described. The only significant difference is in the series pass transistor. The +5VA regulator uses the mainframe NPN in an emitter follower configuration driven by the 723 error amplifier. The +16V regulator uses the mainframe PNP as a current source whose base drive is provided by the 723 error amplifier. As part of this configuration R3054 is added to insure that the PNP transistor will shut off when base drive is removed.

A7-OUTPUT BOARD Schematics 18A, 18B, 19,

#### 20, 21A, 21B, 22

The A7-Output board processes low level signals in the frequency range of 0.1Hz to 49.999kHz from the A4-DDS board and receives signals in the 50.0kHz to 550MHz range from the A5-RF board and amplifies them up to as much as a 10 V peak-to-peak (+24.8dBm) level for driving the Leveling Head.

The A7-Output board has five major functional blocks: the Output Amp Power Supply, Control Logic, LF Preamp, Output Amp Power Control, and the Relay Drive. Description of these major functional blocks and their sub-blocks follow (also refer to Figure 4-5).

#### Output Amp Power Supply Schematic 22

The A7-Output board has two major power supply regulators which will be described now, and several bias regulators which will be described with the Output Amplifier block. The major regulated voltages on the A7-Output board are +21V and -20.5V.

The +21V regulator IC (U3010) is a µA723 (see Figure 4-4) driving an external PNP series pass transistor in the TM 5000-series mainframe. Foldback current limiting is used to reduce the series pass transistor power dissipation if the power supply output is shorted to ground.

Integrated circuit  $\mu$ A723 also powers a MC1403 (U3020) precision reference supply which is the reference for both the +21V and -20.5V regulators, as well as for other circuits on the A7-Output board.

The -20.5V regulator is a discrete circuit comprised of a NE5534 operational-amplifier (U4010), which drives a discrete power amplifier made up from a small signal PNP device (Q5010) and the power NPN in the TM 5000-series mainframe. It also uses foldback current limiting with Q5020 as the control element.

The Control Logic circuit accepts serial data from the A3-CPU board and places it in three parallel output latches. The parallel outputs are used to program low frequency amplitude and DC offset voltage adjustments for the LF Preamp and the Output Amplifier, as well as frequency band changing, which is transparent to the user.

A 24-bit latch (U2030, U2032, and U3030) controls low-frequency output amplitude, the power to the output amplifier hybrid, the leveling head relay programming,

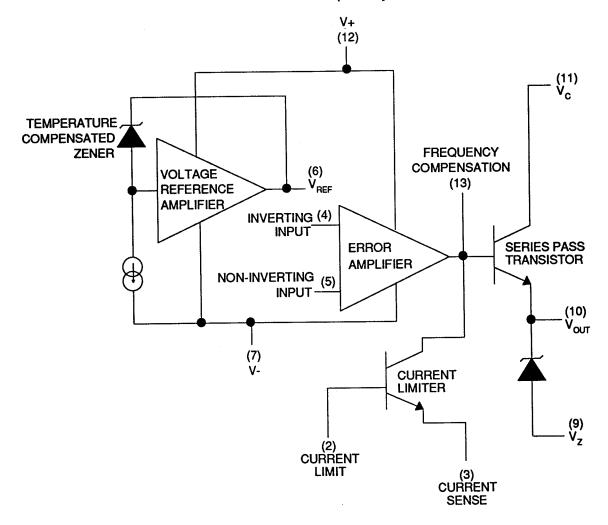


Figure 4-4: Block Diagram of the 723 Regulator

whether the SG 5030 is in the low-frequency mode (below 49.999kHz) or high frequency mode and output filter relay control.

An 8-bit latch (U2011) drives a DAC system which adjusts the DC offset voltage of the LF Preamp. Data for this latch is stored in calibration constants in nonvolatile RAM, and is only updated when the SG 5030 Adjustment Procedure is performed.

Another 8-bit latch (U2021 on schematic 21A) drives a DAC system which adjusts the DC offset voltage of the Output Amplifier.

The latches are independently addressable through separate strobe lines from the CPU.

LF Preamp Schematic 19

The function of the Low-Frequency Preamplifier is to amplify and process the DDS output in the 0.1Hz to 49.999kHz range to drive the Output Amplifier circuitry. The LF Preamp has four sub blocks: the input amplifier, the attenuator DAC, signal switching, and the programming logic.

The input amplifier is comprised of U2000 and its feedback components. It has a differential input and single ended output configuration. Its input signal is the differential signal LFSIG+ and LFSIG- from the A4-DDS board, and its output drives the attenuator DAC (U1030), which will be discussed later. The differential signal offers better immunity to noise voltages which may exist between the A4-DDS and A7-Output boards.

Operational amplifier U2000 has a few millivolts of inherent DC offset voltage appearing between its inputs, which must be nulled out so it will not appear on the low frequency output signals. The nulling voltage comes from a programmable bipolar voltage source made from an 8-bit DAC (2010) and an operational-amplifier (U1020A). The data for the DAC comes from the Control Logic circuit. The  $\pm 10$  volt output range of the DAC is attenuated and applied to the feedback resistors of U2000.

As part of the SG 5030 Adjustment Procedure, U2000's offset is adjusted to zero with the front-panel knob and the binary value of the offset is stored with other

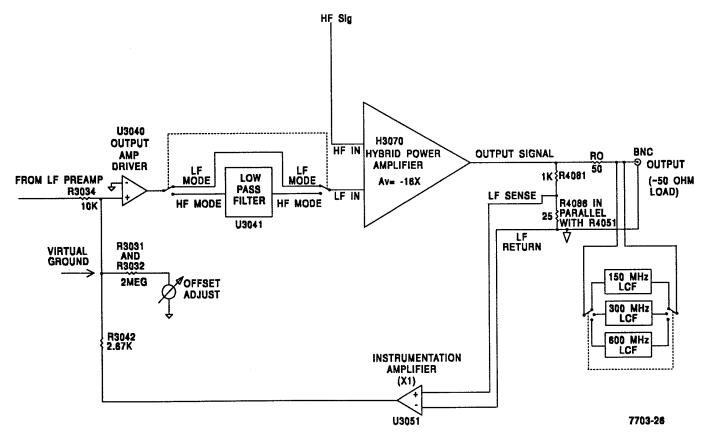


Figure 4-5: Output Amplifier Board Block Diagram

calibration constants in nonvolatile RAM, to be applied to the offset voltage DAC each time the instrument is turned on.

The attenuator DAC (U1030) is a 12-bit multiplying DAC which controls the amplitude of the signals from the input amplifier. An operational-amplifier (U1031A) configured as a transresistance amplifier converts the current output of the DAC back to voltage. The programming data for the attenuator DAC comes from the control logic. The attenuator DAC serves two functions: it controls the output amplitude in the 0.1Hz to 49.999kHz range in response to user input, and it is used to adjust full scale low-frequency amplitude when performing the Adjustment Procedure. The digital input for full scale output is adjusted during calibration to give 5.5 volts peak-to-peak at the output. This is done three times, once in each of the leveling head attenuator settings. The exact digital input for full output is stored in nonvolatile RAM. The output of the attenuator DAC goes to a pair of analog switches (U2031), which switch off the low-frequency signals if the SG 5030 is programmed for frequencies 50kHz or higher. The switches are arranged in a series-shunt configuration to increase their off state isolation. The output of the analog switches is routed to the input of the Output Amplifier.

Output Amplifier Schematic 18A, 18B

The Output Amplifier circuit amplifies the signals from the LF Preamp or from the A5-RF board, depending on the SG 5030's mode of operation, up to a level of twice the maximum programmed output voltage. The reason for amplifying to twice the normal output voltage is that half of the output amplifier's output is dropped in a  $50\Omega$  precision resistor in the leveling head, which defines the SG 5030's output impedance.

The simplified block diagram illustrated in Figure 4-5 shows that the Output Amplifier is a shunt feedback system. The feedback serves the following functions: it drives the DC component of the output voltage to zero, it controls the gain of the Output Amplifiers precisely and assures amplitude flatness in the 0.1Hz to 49.999kHz spectrum, it reduces low-frequency thermal distortion in the hybrid power amplifier, and it compensates for differences in ground potential between the input and output of the Hybrid Amp, H3070.

The LF feedback signal is derived from a fraction of the output signal. This signal is applied to an instrumentation amplifier (U3051) which removes the effects of ground potential differences across the output board. The output from the instrumentation amplifier is

combined with the output of the LF Preamp at a virtual ground on the noninverting input of the Output Amplifier driver (U3040). Most of the open-loop gain of the system is in the Output Amplifier Driver, with the hybrid power amplifier contributing additional gain.

The hybrid power amplifier (H3070) is a three-stage. direct-coupled, class A amplifier. The amplifier is biased by several power supply voltages and active current sources. The first stage current is supplied to the Output Hybrid by a nominal 100mA current source with the current coming from Q4050 through RF choke L4060. All of the current sources are similar in construction. The first stage current source for example develops a reference voltage from a resistive divider which is applied to the non-inverting input of U5050A. The op amp feedback through R5052 forces a stable 10 volts across R4050. C5050 and R5051 provides some frequency compensation for the op amp, while C4051 and R4050 stabilize the base of Q4050. The current source is adjustable with R5050 in order to optimize the bias to the Output Hybrid for minimum harmonic distortion.

The second stage current of a nominal 100mA is supplied to the Output Hybrid from Q4060 through RF choke L3070. The first two stages sink their bias currents into the -15V power supply. Bias networks internal to the Output Hybrid set the voltage at pins 21 and 23 to approximately 0 volts when the Output Amp Driver applies about -7.0 volts to the LF Input, pin 29.

The third stage of the Output Hybrid has two emitter followers at its input which are biased by 80mA current sinks through Q1070 and Q4070. The third stage input voltage is set by a nominal –10 volt voltage source containing Q5080 and U5070B. The third stage output circuit is biased by a nominal 400mA current sink through Q2070. The third stage load resistors include R2080, R4080, and R5080 as well as the resistance contained in the attached leveling head. Resistor R2080 is driven by a voltage source of approximately 10 volts in order to supply about 200mA to the output stage.

The two hybrid power amp inputs, LF IN and HF IN are algebraically added in a resistive combiner before being applied to the amplifier itself. When the SG 5030 is generating signals in the 0.1Hz to 49.999kHz range, the signal is coming through the Output Amplifier Driver and into the LF IN, with no signals being applied to HF IN. If the SG 5030 is programmed to generate frequencies at 50.0kHz and above, the AC portion of the output signal comes from the A5-RF board into the HF IN. The DC bias

voltage, which keeps the output signal DC offset voltage at zero, comes to the LF IN from the output amp driver in response to the shunt feedback.

The LF sense feedback signal is picked off at the H3070 output with RF choke L3082. The LF sense signal is attenuated by R4081 and the combination of R4082 and R4051. It is also filtered by L4080, C4081 and C4083 to limit the bandwidth of the signal applied to the differential buffer U3051. The differential buffer also includes a switchable feedforward network containing R3043, C3043, and C3033 which increases the frequency response of U3051 in LF mode. There is also an RC filter at the input of the Output Amp Driver (U3041) to keep from overdriving the U3041 input with high frequency signals.

The Output Amplifier offset voltage adjustment is done by sinking or sourcing a small current into the virtual ground at the input of the Output Amplifier driver (U3040). The adjustment current is derived from a 8-bit DAC (U2020), as in the LF Preamp.

As has been stated before, the input signal takes two different paths through the Output Amplifier, depending whether the SG 5030 is operating in Low-Frequency mode or High-Frequency mode. The transition occurs between 49.999kHz and 50.000kHz. Since the HF mode signals are applied directly to the hybrid power amplifier, rather than to the input of the shunt feedback system, the feedback system needs to be reconfigured so that the HF signals are not seen as an error voltage and suppressed. This is done by rolling off the open-loop gain of the system at a low frequency with a low-pass filter in the HF mode. This is accomplished with analog switches (U3050 and U4050) which are driven by the control logic. The low pass filtering of the LF sense signal in HF mode is done with both the U3041 unity gain filter and by rolling off the response of the Output Amp Driver, U3040.

#### Output Amplifier Filters

Although the Output Amplifier, H3070 is a highly linear class A amplifier, additional harmonic suppresion is achieved with a set of three switched output filters.

These filters reduce the harmonics generated at higher frequencies. The bandwidth of these three low pass filters are approximately 160MHz, 320MHz, and 600MHz. the two higher bandwidth filters are also AC coupled to reduce the noise bandwidth. For frequencies below about 150 MHz the output signal is DC-coupled through the filter between C2081 and C2084. For frequencies between about 150 MHz and 300 MHz the

output signal is AC-coupled through the filter following C2089, while for frequencies above about 300 MHz, the output signal is AC-coupled through the filter following C3084/C3085 combination. The frequencies stated are not exact due to hystersis in the firmware control of the switching frequencies to minimize transients. The LC filters are switched by RF relays K2080 and K3080, the relays are double pole-double throw action switches that are controlled by transistor switches Q2090 and Q3090. The selected frequency determines the filter path as controlled by the microprocessor using logic signals Filter 1 and Filter 2. The DC stabilizing properties of the feedback system remain intact however, keeping the DC component of the output signal at zero.

Output Amplifier Power Control | Schematics 20, 21

The Output Amplifier is powered by two voltage supplies:  $V_{EE}$ 1 and  $V_{EE}$ 2 and seven current supplies: CUR1 through CUR7 all of which are derived from two main switched voltage sources.. The +21V (switched) and -20.5V (switched) power supplies can be enabled or disabled by the power on logic, and are held off as part of the power up sequence to prevent voltage transients from appearing on the output. The actual switching of the +21V and -20.5V supplies is done with power MOSFETs, which are configured as Miller integrators to control their switching speed to avoid turn on transients.

Leveling HeadRelay Drive | Schematic 20

The Leveling Head Relay Drive circuitry decodes two bits of control logic and drives four latching relays in the leveling head, which switch the output attenuators. The output voltage of a 2-bit input to 4 output decoder is amplified to the 12V 150mA power level to drive the latching relays.

The relays require pulses of power which last approximately 7 milliseconds, and this is accomplished by gating the output of the decoder with a 7ms enable signal.

Leveling Head | Schematic 21

The leveling head has two major functions: it is the source of feedback near the instrument under test in the high-frequency mode and it houses the programmable amplitude range change attenuator.

Feedback near the load allows compensation for output cable standing waves and losses in the high-frequency mode. The feedback is taken just before the output signal enters a precise  $50\Omega$  back termination resistor which defines the output impedance of the SG 5030. The action of the feedback makes the impedance of the input node of the back termination approach zero ohms, so this node contributes negligibly to the SG 5030 output impedance.

The high-frequency feedback is derived from a temperature compensated peak-to-peak detector. High frequency level detector temperature signals are also sent to the SG 5030 via the feedback cable.

The output attenuator is located between the back terminator and the leveling head output and is programmable to 1X, 10X or 100X attenuation. It is programmed in concert with the level control circuitry in the SG 5030 so that the output voltage can be programmed from 4.5mV to 5.5V peak-to-peak while allowing the SG 5030 amplitude control circuits to

operate over only a 10:1 amplitude range. The attenuation selection is done with high frequency magnetic latching relays.

#### **Unplug Detection**

The output amplifier power supplies are disabled and the OUTPUT HEAD is turned off if either the output cable or the feedback cable is unplugged with power on. This is done for two reasons: to avoid transients being applied to the instrument-under-test when the cables are reconnected, and to prevent a potential overdrive to the input of the instrument-under-test. Overdriving could occur if a leveling head which had its output attenuator programmed for 100X attenuation were replaced with one programmed for 1X attenuation. The OUTPUT HEAD ON/OFF button on the front panel must be pushed to restore normal operation after the leveling head has been removed when powered up.

# Section 5 Performance Check

#### Introduction

This procedure checks the electrical performance requirements as listed in the Specifications section of this manual and may be used in an incoming inspection facility to determine acceptability of performance. If the instrument fails to meet the requirements given in this Performance Check section, the Adjustment Procedure section should be performed. The Performance Check procedure can be performed at any ambient temperature between 0° and +40° C.

#### **Performance Check Interval**

The performance check should be performed at the following intervals:

- -At incoming inspection.
- -After 2000 hours of operation or every 12 months, if used infrequently.
- -After repair of accidental abuse.

#### Services available

Tektronix, Inc. provides complete instrument repair facilities at local field service centers and at the factory service center. Contact your local Tektronix field office or representative for more information.

#### Conventions Used In this Procedure

All reference to the SG 5030 front panel controls, connectors, and indicators will be indicated by all capital letters. All associated equipment front panel controls, connectors and indicators will be indicated by initial capital letters.

## **Test Equipment Required**

The test equipment, or equivalent (except as noted) listed in Table 5-1 is recommended to perform the Performance Check and the Adjustment Procedure in this manual.

**Table 5-1: Required Test Equipment** 

	iable 5-1: Requi	eu rest Equipi	HEH	
Description	Minimum Requirement	Performance Check	Adjustment Procedure	Recommended Equipment
TM 5000 Series Power Module	Compatible with SG 5030.	X	Х	Tektronix TM 5006A
Digital Counter	Counter Time Base accurate to 0.75 PPM into $50\Omega$ load.			Tektronix DP 501 Digital Prescaler and DC 5010 Opt. 10 Programmable 350MHz Universal Counter/Timer
Digital Voltmeter	0.25% AC accuracy, 1Hz to 100kHz, 55mV to 5.5V.	X	X	Hewlett Packard HP 3458A Multimeter
Spectrum Analyzer	Frequency Range 10kHz to 3GHz, Resolution Bandwidth 1kHz to 3MHz, Reference Level Range –50 dBm to +20dBm, Frequency Response Flatness to 3GHZ < ±3.0 dB.	X	X	Tektronix 2755AP Programmable Spectrum Analyzer
Power Meter	Frequency Range 100kHz to 3GHz, power range –30dBm to +20dBm.	X		Hewlett Packard HP 437B Power Meter
Power Sensor	Frequency Range 100kHz to 3GHz, power range –30dBm to +20dBm. Calibrated at test frequencies <sup>1</sup> .	X		Hewlett Packard HP 8482A Power Sensor
Precision $50\Omega$ SMA male Termination	$50\Omega \pm 0.5\Omega$ DC, 1/2W, VSWR <1.06 to 1GHz.	X		Tektronix Part 015-1022-00
Precision 50Ω BNC Feed Through Termination	$50\Omega \pm 0.1\%$ DC to 100kHz.	X	X	Tektronix Part 011-0129-00
Adapter	BNC female to dual banana plug	X		Tektronix Part 103-0090-00
Adapter	SMA male to N female	X		ITT Pomona Model No. 4298
Adapter	BNC female to N female	X		Hewlett Packard Part 1250-1474
Adapter	BNC female to N male	X		Tektronix Part 103-0045-00
Adapter	SMA male to 2 SMA females T connector	X		Tektronix Part 015-1016-000
Adapter	SMA male to BNC female	X		Tektronix Part 015-1018-00
Adapter	SMA female to SMA female	X		Tektronix Part 015-1012-00
DC Blocking Capacitor	BNC connections, $0.047\mu F$ .	X		Tektronix Part 015-0221-00
Precision cable, $50\Omega$ SMA male to SMA male (two required)	$50\Omega \pm 1\Omega$ 5ns +0.5ns.	X		Tektronix Part 015-1006-00
Coaxial $50\Omega$ cable (two required)	BNC male to BNC male, 36".	. <b>X</b>	X	Tektronix Part 012-0057-01

**Table 5-1: Required Test Equipment (cont)** 

Description	Minimum Requirement		Adjustment Procedure	Recommended Equipment	
Coaxial 50Ω cable	BNC male to BNC male, 10".	Х	Х	Tektronix Part 012-0208-00	

 $<sup>^1</sup>$  Power sensor calibration uncertainty between the frequencies of 100kHz to 100MHz is less than 1% (voltage), and is less than 2% (voltage) from 100MHz to 550MHz.

## **Preparation**

- Insert the SG 5030 into the power module.
   Connect the test equipment and the power module to a suitable line voltage source.
- b. Turn on the power module and test equipment and allow at least 30 minutes warmup.

## 1. Check Frequency Accuracy

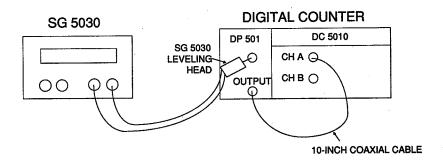
#### **Description**

This test verifies the output frequency accuracy (10Hz through 550MHz).

#### **Procedure**

a. Set up the equipment as illustrated in Figure 5-1.

#### REFER TO TABLE 5-1, TEST EQUIPMENT REQUIRED



Setup:	
DP 501	
Input (Prescale/Direct) Dire	ct
DC 5010 Channel A Term	X5 +
Freq ASelected	
SG5030  AMPL buttonSelected  DATA keypad5.5 V  FREQUENCY VARIABLE buttonSelected  DATA keypad1  OUTPUT HEAD ON/OFFOI	

Figure 5-1: Frequency Accuracy Check

- b. CHECK-Digital Counter readout is 10Hz, within the limits of 9.939970Hz to 10.06003Hz.
- c. Enter 4.9999kHz on the SG 5030 DATA keypad.
- d. CHECK-Digital Counter readout is 4.9999kHz, within the limits of 4.999825kHz to 4.999975kHz.
- e. Enter 5.0000kHz on DATA keypad.
- f. CHECK-Digital Counter readout is 5kHz, within the limits of 4.999685kHz to 5.000315kHz.
- g. Enter 49.999kHz on DATA keypad.
- h. CHECK-Digital Counter readout is 49.999kHz, within the limits of 49.99855kHz to 49.99945kHz.
- i. Select FREQUENCY REFERENCE button (50kHz).
- j. CHECK-Digital Counter readout is 50kHz, within the limits of 49.99685kHz to 50.00315kHz.

- k. Select FREQUENCY VARIABLE button.
- Enter 10MHz on DATA keypad.
- m. CHECK-Digital Counter readout is 10MHz, within the limits of 9.999967MHz to 10.000033MHz.
- n. Enter 10.00001MHz on DATA keypad.
- o. CHECK-Digital Counter readout is 10.00001MHz, within the limits of 9.999977MHz to 10.000043MHz.
- p. Enter 550MHz on the DATA keypad.
- q. Change DP 501 Input (Prescale/Direct) to Prescale.
- r. CHECK-Digital Counter readout is 550MHz, within the limits or 549.998347MHz to 550.001653MHz.

### 2. Check Spectral Purity

#### **Description**

This test verifies that the amplitude of the 2nd harmonic is less than -30dBc, the amplitude of the 3rd is less than -35dBc, and higher harmonics (only tested through 5th harmonic) are less than -40dBc of the fundamental frequency. The test is made at the SG 5030's maximum amplitude which is the condition for worst case harmonics.

The test starts with a spot check below 50kHz and then sweeps the SG 5030 frequency using the front panel control knob up to the maximum frequency. The SG 5030 output amplifier has several filters which are switched near 155MHz and 305MHz as the frequency is increased and near 145MHZ and 295MHz as the frequency is decreased. As a result, the following procedure requires that the frequency be adjusted both up and down near the filter switching frequencies to look for the worst case harmonics.

#### **Procedure**

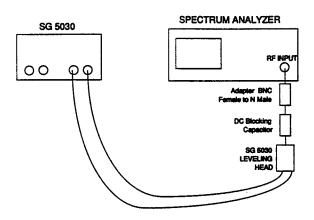
- a. Set up the equipment as illustrated in Figure 5-2.
- b. Press Find Peak (MAX) button. This should set the marker on the peak of the 10MHz signal.
- c. Press Shift button (blue) followed by pushing the MKR → Ref Level button. This should set the Ref Level on the Spectrum Analyzer to +19dBm ±1dBm. The Ref Level should not be changed during the rest of the procedure.

d. Set SG 5030 frequency to 50kHz. Set the Spectrum Analyzer Start/Stop Frequencies to 20kHz and 300kHz, respectively.

#### NOTE

The DC Blocking Capacitor will cause some attenuation of the signal below about 300kHz. This Blocking Capacitor is used to protect the Spectrum analyzer input from the application of excessive DC or very low frequency AC that the

REFER TO TABLE 5-1, TEST EQUIPMENT REQUIRED



#### SETUP:

Spectrum Analyzer (begin setup from power up default settings)

Grat Illum/RESET	On
Data Entry	
Press	Ref Leve
Keypad	20
Press	+dBx
Start/Stop button	Push
Keypad	5 MHz
Keypad	50 MHz
Center/Marker Frequency	
Tune Mkr	On
Video Filter button	Wide
Min Noise	On

SG 5030

AMPL button	Colombad
DATA keypad	5.5 V
FREQUENCY VARIABLE button	Selected
DATA keypad	10 MHz
OUTPUT HEAD (ON/OFF)	ON

Figure 5-2: Spectral Purity Check

SG 5030 can produce. This attenuation will reduce the apparent harmonic performance by several dB.

- e. CHECK-the 2nd harmonic amplitude peak is at least 3 divisions (–30dBc) and that the 3rd harmonic amplitude peak is at least 3.5 divisions (–35dBc) below the top horizontal graticule line (fundamental reference amplitude).
- f. CHECK-that 4th and 5th harmonic amplitude peaks are at least 4 divisions (-40dBc) below the top horizontal graticule line.
- g. Shift the MKR to Off so the center frequency can be scrolled.
- h. Use the DIGIT SELECT buttons on the SG 5030 to set the control knob resolution to 10kHz. Then using the control knob, slowly increase the SG 5030 frequency to 1MHz. While increasing the SG 5030 frequency to 1MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.

#### NOTE

In this and all the following steps as the SG 5030 frequency is increased the Spectrum Analyzer Center Frequency and Span will need to be increased to allow the first five harmonics of the SG 5030 output frequency to be observed. Be careful that the Spectrum Analyzer Span is not made too large compared to the frequency being measured or the accuracy of the amplitude measurement may be compromised.

- i. Use the DIGIT SELECT buttons to set the control knob resolution to 100kHz. Then using the control knob, increase the SG 5030 frequency to 10MHz. While increasing the SG 5030 frequency to 10MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.
- Use the DIGIT SELECT buttons to set the control knob resolution to 1MHz. Then using the control knob, increase the SG 5030 frequency

- to 160MHz. While increasing the SG 5030 frequency to 160MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.
- k. The hysteresis in the 150MHz Output Filter switching control requires that the harmonics be checked going both up and down in frequency. Use the control knob to decrease the SG 5030 frequency to 140MHz.

#### NOTE

The resolution of the control knob should still be at 1MHz and left there during the remainder of this test unless there is a question about the worst case harmonics near the filter switching frequencies.

- While decreasing the SG 5030 frequency to 140MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.
- Use the SG 5030 control knob to increase the frequency to 310MHz. While increasing the SG 5030 frequency to 310MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.
- m. The hysteresis in the 300MHz Output Filter switching control requires that the harmonics be checked going both up and down in frequency. Use the control knob to decrease the SG 5030 frequency to 290MHz. While decreasing the SG 5030 frequency to 290MHz, monitor the harmonics using the spectrum analyzer as in steps e and f.
- n. Use the SG 5030 control knob to increase the frequency to 550MHz. While increasing the SG 5030 frequency to 550MHz, monitor the 2nd and 3rd harmonics using the spectrum analyzer as in step e.
- o. Since the spectrum analyzer frequency band stops at 1.8GHz, step n must be repeated in the next higher spectrum analyzer frequency band to check for harmonic performance of the 4th and 5th harmonics as in step f.
- p. Set the SG 5030 OUTPUT HEAD ON/OFF button to OFF.
- q. Remove the SG 5030 Leveling Head from the Spectrum Analyzer.

#### 3. Check Amplitude Accuracy

A worksheet (Table 5-2) is provided at the end of this check to record the various measurement readings required. These measurement readings will be used to calculate the accuracy of your instrument.

#### Description

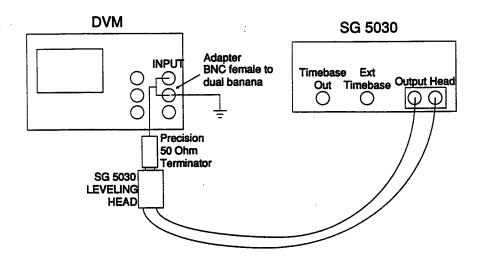
This test verifies amplitude accuracy from 0.1Hz to 50Khz.

#### **Procedure**

- Set up the equipment as illustrated in Figure 5-3.
   The DVM is configured to measure AC RMS
   Volts using Synchronous Sampling conversion.
- b. CHECK-DVM readout for 19.445mV AC, within the limits of 19.154 to 19.737 mV.
- c. Record the DVM readout on line 1 column 1 in Table 5-2 Part 1 (located in step 4) for 50 kHz data.
- d. Enter 550 mV on the SG 5030 DATA keypad.
- e. CHECK-DVM readout for 0.19445V AC, within the limits of 0.19154V to 0.19737V.
- f. Record the DVM readout on line 2 column 1 in Table 5-2 Part 1 (located in step 4).
- g. Enter 552mV on the SG 5030 DATA keypad.
- h. CHECK-DVM readout for 0.19516V AC, within the limits of 0.19223V to 0.19809V.
- Record the DVM readout on line 3 column 1 in Table 5-2 Part 1 (located in step 4).
- j. Enter 1V on the SG 5030 DATA keypad.
- k. CHECK-DVM readout for 0.35355V AC, within the limits of 0.34825V to 0.35886V.
- Enter 2.5V on the SG 5030 DATA keypad.
- m. CHECK-DVM readout for 0.88388V AC, within the limits of 0.87062V to 0.89714V.
- n. Enter 5.5V on the SG 5030 DATA keypad.
- CHECK-DVM readout for 1.9445V AC, within the limits of 1.9154V to 1.9737V.

- p. Record the DVM readout on line 4 column 1 in Table 5-2 Part 1 (located in step 4).
- Select the SG 5030 FREQUENCY VARIABLE button and enter 10Hz on the DATA keypad.
- r. Select SG 5030 AMPL button and enter 552mV on the DATA keypad.
- s. CHECK-DVM readout is 0.19516V AC, within the limits of 0.19223V to 0.19809V.
- t. Enter 5.5V on the SG 5030 DATA keypad.
- U. CHECK-DVM readout is 1.9455V AC, within the limits of 1.9154V to 1.9737V.
- v. Select the SG 5030 FREQUENCY VARIABLE button and enter 1kHz on the DATA keypad.
- w. CHECK-DVM readout is 1.9445V AC, within the limits of 1.9154V to 1.9737V.
- x. Select the SG 5030 AMPL button and enter 552mV on the DATA keypad.
- y. CHECK-DVM readout is 0.19516V AC, within the limits of 0.19223V to 0.19809V.
- z. Select the SG 5030 FREQUENCY VARIABLE button and enter 30kHz on the DATA keypad.
- aa. CHECK-DVM readout is 0.19516V AC, within the limits of 0.19223V to 0.19809V.
- bb. Select the SG 5030 AMPL button and enter 5.5V on the DATA keypad.
- cc. CHECK-DVM readout is 1.9445V AC, within the limits of 1.9154V to 1.9737V.
- dd. Select the FREQUENCY VARIABLE button and enter 49,999kHz on the DATA keypad.
- ff. CHECK-DVM readout is 1.9445V AC, within the limits of 1.9154V to 1.9737V.
- gg. Select the AMPL button and enter 552mV on the DATA keypad.
- hh. CHECK-DVM readout is 0.19516V AC, within the limits of 0.19223V to 0.19809V.

#### REFER TO TABLE 5-1, TEST EQUIPMENT REQUIRED



#### SETUP:

**Digital Voltmeter** 

Blue button	Press
Reset button	
ACV button	Select
Blue button	Press
S	Press
Down Arrow	Press until SETACV
Right Arrow	Press once
•	Press until SETACV SYNC
Enter button	

#### SG 5030:

FREQUENCY REFERENCE button	Selected
AMPL button	Selected
DATA keypad	55 mV
OUTPUT HEAD ON/OFF	

Figure 5-3: Amplitude Accuracy Check

#### 4. Check Amplitude Flatness

A worksheet (Tables 5-2 and 5-3) are provided at the end of this check to record the various measurement readings required. These measurement readings will be used to calculate the amplitude flatness of your instrument.

#### **Description**

This test verifies amplitude flatness from 50kHz to 550MHz. SG 5030 flatness is checked with a combination of procedures in order to improve measurement accuracy. Frequencies below 100kHz are checked using a DVM. Next, correction factors for 100kHz relative to the 50kHz reference frequency are derived. For frequencies above 100kHz, a power meter is used, and readings are compared against the 100kHz reference derived earlier. Finally, equations are provided that permit calculation of flatness across the frequency range of the SG 5030.

#### Part 1

- Set up the equipment as illustrated in Figure 5-3.
   The DVM is configured to measure AC RMS
   Volts with the Frequency Variable set for 75 kHz.
- b. Record the DVM readout on line 5 column 1 in the Table 5-2 Part 1 worksheet.
- c. Select the SG 5030 AMPL button and enter 550mV on the DATA keypad.
- d. Record the DVM readout on line 6 column 1in the Table 5-2 Part 1 worksheet.
- e. Enter 552mV on the SG 5030 DATA keypad
- f. Record the DVM readout on line 7 column 1 in the Table 5-2 Part 1 worksheet.
- g. Enter 5.5V on the SG 5030 Data keypad.
- h. Record the DVM readout on line 8 column 1 in the Table 5-2 Part 1 worksheet.

- Select the SG 5030 FREQUENCY VARIABLE button and enter 100 kHz on the DATA keypad.
- Select the SG 5030 AMPL button and enter 55mV on the DATA keypad.
- k. Record the DVM readout on line 9 column 1 in the Table 5-2 Part 1 worksheet.
- Select the SG 5030 AMPL button and enter 550mV on the Data keypad.
- m. Record the DVM readout on line 10 column 1 in the Table 5-2 Part 1 worksheet.
- n. Enter 552mV on the SG 5030 DATA keypad.
- o. Record the DVM readout on line 11 column 1 in the Table 5-2 Part 1 worksheet.
- p. Enter 5.5V on the SG 5030 DATA keypad.
- q. Record the DVM readout on line 12 column 1 in the Table 5-2 Part 1 worksheet.
- r. Remove the SG 5030 Leveling Head from the Digital Voltmeter.

Calculate 50khz to 100khz amplitude ratios (From Part 1, Table 5-2)

- s. Divide the 75kHz, 55mV DVM reading by the 50kHz, 55mV DVM reading and enter the resultant ratio on line 5, column 2.
- t. Repeat part (s) for each of the remaining amplitude values (55mV through 5.5V) for both 75kHz and 100kHz, (e.g., divide line 6 by line 2, line 7 by line 3, line 9 by line 1, etc., and enter the resultant ratios on the appropriate lines in column 2.)
- u. CHECK-that all the figures entered in column 2 are within the range of 0.985 and 1.015.

#### Part 2

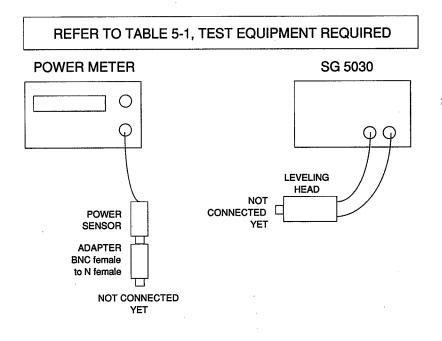
- v. Set up the equipment as illustrated in Figure 5-4.
- w. Press the Zero button to reset the display. Verify the display reads zero.
- x. Connect the BNC-to-N adapter to the SG 5030 Leveling Head (shown in Fig. 5-4). Turn the SG 5030 OUTPUT to ON.
- y. Let the HP 437B display settle (for the first measurement only, allow three minutes settling time to allow the Power Sensor to stablize).
- z. Record the Power Meter readout on line 1, column 1 in the Table 5-3, Part 2 worksheet (The remaining Power Meter readings will all be entered in the Table 5-3 Part 2 worksheet.)
- aa. Select the SG 5030 FREQUENCY VARIABLE button and enter 100 MHz on the DATA keypad.
- bb. Record the Power Meter readout on line 2, column 3.
- cc. Repeat steps (aa) and (bb), using frequencies of 250MHz and 550MHz, and entering the readings on lines 3 and 4 of column 3.
- dd. Select the SG 5030 AMPL button and enter 550mV on the DATA keypad.
- ee. Select the SG 5030 FREQUENCY VARIABLE button and enter 100 kHz on the Data keypad.
- ff. Let the HP437B display settle. Record the Power Meter readout on line 5, column 1.
- gg. Enter 100MHz on the SG 5030 DATA keypad.
- hh. Record the Power Meter readout on line 6, column 3.
- ii. Repeat steps (gg) and (hh), using frequencies of 250MHz and 550MHz, and entering the readings on lines 7 and 8 of column 3.

- jj. Select the SG 5030 AMPL button and enter 552mV on the DATA keypad.
- kk. Select the FREQUENCY VARIABLE button and enter 100kHz on the DATA keypad.
- II. Let the HP437B display settle. Record the Power Meter readout on line 9, column 1.
- mm. Enter 100MHz on the SG 5030 DATA keypad.
- nn. Record the Power Meter readout on line 10, column 3.
- oo. Repeat steps (mm) and (nn), using frequencies of 250MHz and 550MHz, and entering the readings on lines 11 and 12 of column 3.
- pp. Select the SG 5030 AMPL button and enter 5.5V on the DATA keypad.
- qq. Select the SG 5030 FREQUENCY VARIABLE button and enter 100 kHz on the DATA keypad.
- rr. Let the HP437B display settle. Record the Power Meter readout on line 13, column 1.
- ss. Enter 100MHz on the SG 5030 DATA keypad.
- tt. Record the Power Meter readout on line 14, column 3.
- uu. Repeat steps (ss) and (tt), using frequencies of 250MHz and 550MHz, and entering the readings on lines 15 and 16 of column 3.
- vv. Remove the SG 5030 Leveling Head from the Power Sensor unit.

Calculate 100kHz to 550MHz amplitude ratios (from Table 5-3, Part 2)

- ww. Calculate the reciprocal of the value entered in line 1, column 1, and enter the result on lines 2, 3, and 4 of column 2.
- xx. Calculate the reciprocal of the value entered in line 5, column 1, and enter the result on lines 6, 7, and 8 of column 2.

SG 5030 Service Manual



#### SETUP:

#### **Power Meter**

Green Preset Button	Press
Enter Button	Press
dBm/W Button	Select (uW)
Blue Shift Button	Press
dBm/W Resoln Button	Select
Down Arrow Button	Press until display reads RES3 0.01%
Enter Button	Press

#### SG 5030

FREQUENCY VARIABLE button	Selected
DATA keypad	100 kHz
AMPL button	
DATA keypad	55 mV
OUTPUT HEAD ON/OFF	

Figure 5-4: Part 2 Amplitude Flatness Check

- yy. Calculate the reciprocal of the value entered in line 9, column 1, and enter the result on lines 10, 11, and 12 of column 2.
- zz. Calculate the reciprocal of the value entered in line 13, column 1, and enter the result on lines 14, 15, and 16 of column 2.
- aaa. Enter the 100kHz Cal Factor of the Power Sensor being used on all unshaded lines in column 4 of the Table 5-3 Part 2 worksheet. The necessary Cal Factors are provided with your Power Sensor. Refer to Table 5-1, Test Equipment Required.
- bbb. Enter the reciprocal of the Power Sensor's Cal Factor for 100MHz in column 5, lines 2, 6, 10, and 14.
- ccc. Enter the reciprocal of the Power Sensor's Cal Factor for 250MHz in column 5, lines 3, 7, 11, and 15.
- ddd. Enter the reciprocal of the Power Sensor's Cal Factor for 550MHz in column 5, lines 4, 8, 12, and 16.
- eee. For each of the lines 2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, and 16, perform the following calculation:

 $\sqrt{\text{Col } 2 \times \text{Col } 3 \times \text{Col } 4 \times \text{Col } 5} = \text{Col } 6$ 

where Col (X) is the indicated column from Table 5-3, Part 2.

- fff. Copy the number entered in Table 5-2, Part 1, line 9, column 2, to Table 5-3 Part 2, column 7, lines 2, 3, and 4.
- ggg. Copy the number entered in Table 5-2 Part 1, line 10, column 2, to Table 5-3 Part 2, column 7, lines 6, 7, and 8.
- hhh. Copy the number entered in Table 5-2 Part 1, line 11, column 2, to Table 5-3 Part 2, column 7, lines 10, 11, and 12.
- iii. Copy the number entered in Table 5-2 Part 1, line 12, column 2, to Table 5-3 Part 2, column 7 lines 14, 15, and 16.
- jjj. For each of the lines 2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, and 16, perform the following calculation:

Col 6 x Col 7 = Col 8

where Col (X) is the indicated column from Table 5-3, Part 2.

kkk. CHECK-that the results entered in column 8 is within the limits shown in columns 9 and 10.

Table 5-2: Amplitude Flatness Worksheet (Part 1)

(50 kHz to 100 kHz)

Line	SG 5030		Column 1	Column 2	Ratio Limits		
No.	Frequency	Amplitude	DVM Reading	DVM Amplitude Ratio	Lower Limit	Upper Limit	
1	50kHz	55mV	799				
2		550mV					
3		552mV					
4	, .	5.5V					
5	75kHz	55mV			0.985	1.015	
6		550mV	:		0.985	1.015	
7		552mV			0.985	1.015	
8		5.5V	The same of the sa		0.985	1.015	
9	100kHz	55mV			0.985	1.015	
10		550mV			0.985	1.015	
11		552mV	· Franchis		0.985	1.015	
12		5.5V			0.985	1.015	

Table 5-3: Amplitude Flatness Worksheet (Part 2)

#### 100kHz - 550MHz

			Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8	Ratio	Lmts
Line No.	Freq	Ampl	PWR @ 100kHz	1÷PWR @ 100kHz	Pwr Mtr Rdg @ Tst Freq	Cal Factor @ 100kHz	1÷Cal Factor @ Tst Freq	Pwr Mtr Ampl Ratio	DVM Ampl Ratio	SG 5030 Flatness Ratio	Lwr Limit	Uppr Limit
1	100kHz	55mV				1	ı —	1	ı	T	I .	
2	100MHz										0.985	1.015
3	250MHz										0.970	1.03
4	550MHz										0.960	1.04
5	100kHz	550mV			,	·		T	T	T	ı —	
6	100MHz										0.985	1.015
7	250MHz										0.970	1.03
8	550MHz										0.960	1.04
9	100kHz	552mV					,	<del>,                                      </del>	1	<del></del>		
10	100MHz				·						0.985	1.015
11	250MHz										0.970	1.03
12	550MHz										0.960	1.04
13	100kHz	5.5V			-			<del>-</del>	·	<del></del>	т—	
14	100MHz										0.985	1.015
15	250MHz										0.970	1.03
16	550MHz										0.960	1.04

Col 6 =  $\sqrt{\text{Col 2 x Col 3 x Col 4 x Col 5}}$ 

Col 8 = Col 6 x Col 7

#### 5. Check Output VSWR

A worksheet (Table 5-4) is provided at the end of this step to record the various measurement readings required. These measurement readings will be used to calculate the VSWR of your instrument.

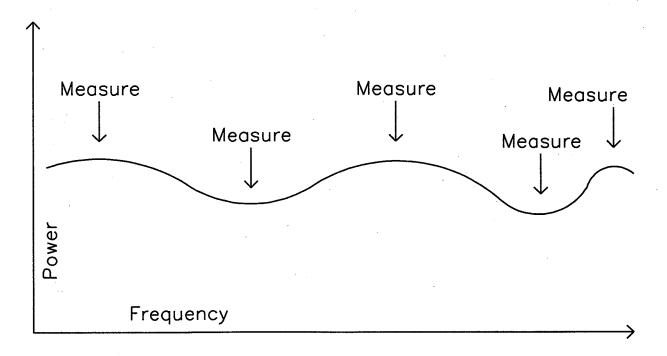
#### **Description**

This test verifies that the VSWR is 1.2:1 or less up to 550MHz at the Leveling Head output connector.

#### **Procedure**

- a. Set up the equipment as illustrated in Figure 5-6.
- b. Press the dBm/W button then the Zero button to reset the display. Verify the display reads zero.
- c. Again press the dBm/W button. Now connect the Power Meter Power Sensor Head to the T-connector as shown in Figure 5-6. Turn the SG 5030 OUTPUT to ON.
- e. Use the SG 5030 < DIGIT SELECT> buttons to choose the first zero to the left of the decimal point of the SG 5030 display.

- Slowly rotate the SG 5030 Control Knob counterclockwise (lowering the frequency) while watching the Power Meter readout display. The displayed readout will eventurally reach a first maximum or minimum value (null). NOTE: As you decrease the frequency, the readout value will continuously alternate between maximum and minimum values as the power output level varies. Refer to Figure 5-5 for an illustration describing the points at which measurements are to be taken. The actual frequencies at which VSWR measurements should be taken will vary from instrument to instrument.
- g. Record the first Power Meter readout value in Table 5-4, line 1 column 1.
- h. Continue to lower the SG 5030 frequency while watching the Power Meter readout value. The readout will reach a second maximum or minimum.
- Record the second Power Meter readout value in Table 5-4 line 2 column 1.

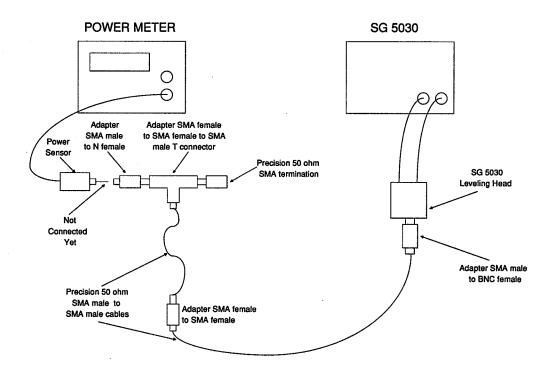


f.

Figure 5-5: Determining VSWR Measurement Points

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#### REFER TO TABLE 5-1, TEST EQUIPMENT REQUIRED



#### SETUP:

#### **Power Meter**

Green Preset Button	Press
Enter Button	Press
Blue Shift Button	Press
dBm/W Resoln Button	Select
Down Arrow Button	
Enter Button	Press

#### SG 5030

AMPL button	selected
keypad	55 mV
FREQUENCY VARIABLE	selected
keypad	
OUTPUT HEAD ON/OFF	

Figure 5-6: VSWR Check

**Table 5-4: VSWR Worksheet** 

Reading	Min/Max Value at specified Volts		
Number	55 mV	550 mV	5.5 V
1			3.00
2			
Delta			
3			
4			
Delta		·	
5			
6	·		
Delta			
7			
8			
Delta			
9			
10			
Delta		·	
11			
12			
Delta			
13			
14			
Delta			

Reading Number	Min/Max Value at specified Volts			
	55 mV	550 mV	5.5 V	
15				
16				
Delta				
17				
18				
Delta				
19				
20				
Delta				
21				
22				
Delta				
23				
24				
Delta				
25				
26				
Delta				
27				
28				
Delta				

NOTE: For each measurement pair in the above table, VSWR can be approximated by the following equation:  $VSWR \approx 1 + (0.4 \times Delta)$ 

SG 5030 Service Manual

- j. Keep repeating parts (h) and (i), recording the values in Table 5-4 column 1 until the SG 5030 frequency readout reaches 300MHz or less. The number of readings taken may vary from instrument to instrument.
- k. Press the SG 5030 FREQUENCY VARIABLE button. Enter 550MHZ on the DATA keypad.
- Press the SG 5030 AMPL button. Enter 550mV on the DATA keypad.
- m. Repeat parts (f) through (k) for 550mV, entering the readings in Table 5-4 column 2.
- n. Press the SG 5030 FREQUENCY VARIABLE button. Enter 550MHz on the DATA keypad.
- o. Press the SG 5030 AMPL button. Enter 5.5V on the DATA keypad.
- p. Repeat parts (f) through (k) for 5.5 V, entering the readings in Table 5-4 column 3.

- q. For each max/min measurement pair (i.e. Table 5-4 lines 1 and 2, column 1), calculate the difference (Delta), using the equation:
  - **Delta** = (first reading) (second reading)
  - Enter the calculated value on the line immediately below the measurement pair, ignoring polarity.
- r. CHECK-that the magnitude of the difference between each min/max value entered in Table 5-4 is less than 0.7dBm.

Disconnect all test equipment.

This completes the SG 5030 Performance Check.

| · · · 

# Section 6 Adjustment Procedure

#### Introduction

To ensure instrument accuracy, the Performance Check should be done after every 2000 hours of operation or every twelve months if used infrequently. This Adjustment Procedure need not be performed unless the instrument fails the Performance Check procedure. The Internal Timebase Frequency adjustment, however, should be performed annually to correct for crystal aging effects. Adjustment is likely to be required after a repair has been made.

If adjustment of internal controls does not bring instrument performance within the limits listed in the Specification section, troubleshooting and repair is indicated. Adjustments should be made with the instrument operating at an ambient temperature of +20\_C to +30\_C.

#### **Test Equipment Required**

Test equipment used for adjustment of the SG 5030 is listed in Table 5-1 at the beginning of the Performance Check section of this manual.

#### **Test Limits**

Many of the adjustments in this procedure have adjustment limits. These limits are not specification limits, but represent values that will ensure peak instrument performance. It is possible (but not recommended) to exceed these limits and still meet performance specifications.

If, for some reason, it is not possible to adjust within the stated limits, several corrective actions may be taken:

- Verify the equipment is set up exactly as described in the procedure.
- Verify all cabling is in good condition and all connections are tight.
- 3. Make sure all test equipment and the SG 5030 are fully warmed up and stable.

If the limits are exceeded by only a small amount, the SG 5030 may still perform to specification. The Performance Check procedure can be used to verify performance to specification.

#### 1. Preparation

a. Before you insert the SG 5030 into the power module, you must first set the internal DIP switch toggles to the adjustment mode. Turn the SG 5030 so that you are facing the rear-panel connectors. DIP switch SW3020 is accessed through the rear-panel, just below the rear GPIB interface connector. Set toggle number 3 to the closed position (third toggle from top, depressed to the left, when facing the rear of the instrument). Toggles 1, 2, and 4 remain in the open (depressed right) position.

#### Note

The oscillator adjustment cover screw, to be removed in the following step, is neither tethered nor magnetic.

- b. Using a screwdriver, unscrew the oscillator adjustment cover screw. The cover screw is located on the crystal oscillator assembly, and is accessed through a hole in the top panel of the SG 5030. Carefully remove the oscillator adjustment cover screw using tweezers or a pair of long-nosed pliers.
- c. Remove the fasteners that secure the power module's top cover, but do not remove the top cover yet. This will allow access to the SG 5030 adjustment while in the power module. (Refer to the power module manual for top cover for removal instructions.)
- d. Before inserting the SG 5030 into the TM 5006A Power Module, the right side cover of the SG 5030 should be removed to gain access to the adjustments on the back of the Output board. The SG 5030 should now be inserted into the left most slot of the TM 5006A Power

Module so that access is available to the Output board adjustments from the three empty plug-in slots.

Connect the test equipment and the power module to a suitable line voltage source.

e. Turn on the power module and test equipment, and allow at least 30 minutes warm-up (with the power module top cover on).

#### 2. Adjust Output Hybrid Bias

The bias adjustments on the Output Hybrid are used to optimize the harmonic performance of the SG 5030. If the SG 5030 passes the Spectral Purity test (Section 5, step 2) in the Performance Check, it is not necessary to perform this adjustment.

Setup test equipment as in Figure 6-1.

#### Note

If parts of the Output Hybrid Bias circuitry have been replaced, it may be necessary to setup the bias adjustments to nominal values before begining this procedure. Refer to tSection 7 Maintenance for the appropriate power supply checks and bias setup.

#### Note

In the following steps the adjustments should be made using an insulated adjustment tool (Tektronix Part Number 003-0675-00). Access to the adjustments can be made through the three empty plug-in slots in the TM 5006A Power Module.

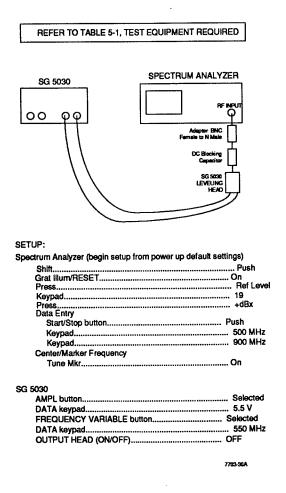


Figure 6-1: Output Hybrid Adjustment

#### **WARNING**

The heatsinks and power resistors on the back of the Output board are hot enough to cause skin burns.

a. Turn the SG 5030 OUTPUT ON.

Press Find Peak (MAX) button on the Spectrum Analyzer. Then press Shift button (blue) followed by MKR → Ref Level. This should set the Ref Level on the Spectrum Analyzer to +19dBm ±1dBm. The Ref Level should not be changed during the rest of the procedure. press Shift button (blue) followed by MKR Off.

Change the SG 5030 frequency from 550MHz to 295MHz. It is important to decrease the frequency to 295MHz without going any lower to ensure that this adjustment step is made with the highest frequency filter switched into the circuit. The SG 5030 amplitude must be at maximum to test for worst case harmonics.

- b. Adjust the cur6 adjustment for best 2nd harmonic performance as measured by the Spectrum Analyzer with its center frequency at 590MHz. If this step must be repeated for best ove5rall harmonic performance, cur1 should be adjusted so the 2nd harmonic is —40dBc or better. Check that the 3rd harmonic (885MHz) is also –40dBc or better.
- c. Change the SG 5030 frequency from 295MHz to 200MHz. Then decrease the frequency to 145MHz without going any lower to ensure that this adjustment step is made with the middle frequency filter switched into the circuit.

Move DIGIT SELECT to the 1MHz position. Slowly increase the SG 5030 frequency until the second harmonic is at a maximum.

- d. Adjust the cur1 and cur2 adjustments for best 2nd harmonic performance as measured by the Spectrum Analyzer with its center frequency at 290MHz. Adjust cur6 if necessary to optimize harmonic performance, recognizing it will affect the performance set in step d. Check that both the 2nd and 3rd (435MHz) harmonics are -40dBc or better.
- e. Repeat steps c through f for best overall harmonic performance.

#### Note

The DC Blocking Capacitor will cause some attenuation of the signal below about 300kHz. This attenuation will reduce the apparent harmonic performance by several dB. The Blocking Capacitor is used to protect the Spectrum Analyzer input from the application of excessive DC or very low frequency AC that the SG 5030 can produce.

- f. Change the SG5030 Variable Frequency to 50kHz. Adjust vee2 and cur4 adjustments for best 2nd and 3rd harmonic performance as measured with the Spectrum Analyzer. It will be necessary to compromise the 2nd and 3rd harmonic performance and all the higher order harmonics so the higher order harmonics are —55dBc or better and the 2nd and 3rd harmonics are —40dBc or better. To achieve best amplitude flatness, the 3rd harmonic should also be adjusted slightly lower than the 2nd harmonic.
- g. Repeat adjustment steps d, f, and h as necessary for best harmonic performance since the adjustments are somewhat interactive.
- h. The Check Spectral Purity procedure in the Performance Check (Section 5) should be performed to check for harmonic performance over the full frequency range of the SG 5030.

# 3. Adjust Internal Timebase Frequency

- a. Perform the Preparation procedure.
- b. Setup the equipment as illustrated in Figure 6-2.
- Slide the power module's top cover (loosened earlier, under Preparation) back far enough to gain access to the crystal oscillator adjustment trimmer.
- d. ADJUST the trimmer capacitor using an insulated alignment tool for a Digital Counter readout of 10.000000MHz, within the limits of 9.999990MHz to 10.000010MHz.
- e. Replace the SG 5030 oscillator adjustment cover screw. Re-install the TM 5000 power module's top cover.

# DIGITAL COUNTER DC 5010/OPT 1 SG 5030 Timebase Out C 0 0 0 Setup:

DIGITAL COUNTER

CHANNEL A

All other controls remain same as when powered up.

Figure 6-2: Timebase Frequency Adjustment

#### 4. Set Offset and Gain Cal Constants

#### NOTE

Once started, the remainder of this Adjustment Procedure must be completed exactly as described on the following pages. Any deviation from this step-by-step sequence will result in instrument misadjustment.

a. Set up the equipment as illustrated in Figure 6-3.

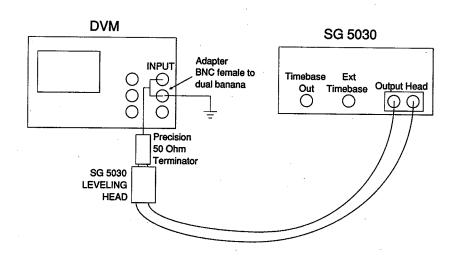
Press the SG 5030 SPCL button, and enter 99 on the keypad. Press the ENTER button. The readout will display a 1 on the left side of the display and the current calibration constant number on the right side of the display.

#### **NOTE**

When you press the ENTER button the front-panel red RECAL indicator will illuminate and remain illuminated until the adjustment process is completed.

#### REFER TO TABLE 5-1, TEST EQUIPMENT REQUIRED

b.



Setup:

DVM

Blue	Press
Reset	•
Blue	
S	
Down Arrow	Press until SETACV
Right Arrow	Press once
	Press until SETACV SYNC
Enter	_ ::-

Figure 6-3: Offset and Gain Adjustment

#### Set the LF Power Amplifier DC Offset (CAL 1)

- c. Rotate the SG 5030 Control knob for a DVM readout of 0.0mVDC, within the limits of –3 to +3 mVDC.
- d. Press the SG 5030 ENTER button.

#### Set the LF Preamplifier DC Offset (CAL 2)

e. Rotate the Control knob for a DVM readout of 0.0mVDC, within the limits of -1 to +1 mVDC. Press the SG 5030 ENTER button.

#### Set the RF Power Amplifier DC Offset (CAL 3)

f. Rotate the SG 5030 Control knob for a DVM readout of 0.0mVDC, within the limits of –3 to +3 mVDC. Press the SG 5030 ENTER button.

#### Set the LF Gain X1 (CAL 4)

- g. Set the DVM Function/Range to ACV (Volts RMS).
- h. Rotate the Control knob for a DVM readout of 01.9445VAC, within the limits of 1.9435 to 1.9455 VAC.
- Press the ENTER button.

#### Set the LF Gain X10 (CAL 5)

 Rotate the Control knob for a DVM readout of 0.19445VAC, within the limits of 0.19435 to 0.19455 VAC. Press the ENTER button.

#### Set the LF Gain X100 (CAL 6)

- k. Rotate the Control knob for a DVM readout of 19.445mVAC, within the limits of 19.435 to 19.455 mVAC.k.
- Press the ENTER button.

#### Set the RF Gain X1 (CAL 7)

m. Rotate the Control knob for a DVM readout of 1.9445VAC, within the limits of 1.9430 to 1.9460 VAC.

n. Press the ENTER button.

#### Set the RF Gain Min X1 (CAL 8)

- o. Rotate the Control knob for a DVM readout of 0.19445VAC, within the limits of 0.19390 to 0.19500 VAC.
- p. Press the ENTER button.

#### Set the RF Gain Max X10 (CAL 9)

- q. Rotate the Control knob for a DVM readout of 0.19445VAC, within the limits of 0.19430 to 0.19460 VAC.
- r. Press the ENTER button.

#### Set the RF Gain Min X10 (CAL 10)

- Rotate the control knob for a DVM readout of 19.445mVAC, within the limits of 19.390 to 19.500 mVAC.
- t. Press the ENTER button.

#### Set the RF Gain Max X100 (CAL 11)

- u. Rotate the Control knob for a DVM readout of 19.445mVAC, within the limits of 19.430 to 19.460 mVAC.
- v. Press the ENTER button.

#### Set the RF Gain Min X100 (CAL 12)

- w. Rotate the Control knob for a DVM readout of 1.9445mVAC, within the limits of 1.9420 to 1.9470 mVAC.
- x. Press the ENTER button to terminate the adjustment process.

Remove the Leveling Head from the DVM.

Set toggle number 3 on the DIP switch back to the open (depressed right) position.

This completes the Adjustment Procedure.

# **Section 7 Maintenance**

#### Introduction

This section of the manual gives rear interface information and provides general maintenance and service information for the SG 5030 Sine Wave Generator.

CAUTION

To prevent damage to the SG 5030, turn off the power module before installing or removing the instrument. Do not use excessive force to install or remove the SG 5030 from the power module.

#### **Rear Interface Information**

The pin assignments shown in Figure 7-1 are identical for the A4-DDS (Direct Digital Synthesis) board and the A7-Output board.

Figure 7-2 shows the pin assignments for the GPIB connector on the A3-CPU board. Figure 7-3 shows the pin assignments for the A6-Timebase board.

#### **General Maintenance**

#### **Loss of NVRAM**

Stored setups and the current contents of the SG 5030 front-panel buffer will be lost upon failure of either one or both of the internal battery backed NVRAMs (front panel error codes E361, E363 and E354). The batteries are contained within RAM ICs U3060 and U3070, located on the A3-CPU circuit board.

Upon NVRAM failure, either one or both of these NVRAM ICs must be replaced to restore the nonvolatile memory capability. The SG 5030 must be re-calibrated and all stored setups must be re-entered upon completion of any NVRAM replacement. The NVRAM internal batteries have a life of approximately ten years.

#### **Troubleshooting Aids**

#### Diagrams.

Complete circuit diagrams are located in the pullout pages in the Diagrams and Circuit Board Illustrations section of this manual. The portions of the circuit mounted on the circuit boards are enclosed by a solid line. The circuit number of each component in this instrument is shown on a diagram. See the first page of the Diagrams and Circuit Board Illustrations section for definitions of the symbols and reference designators used on the diagrams.

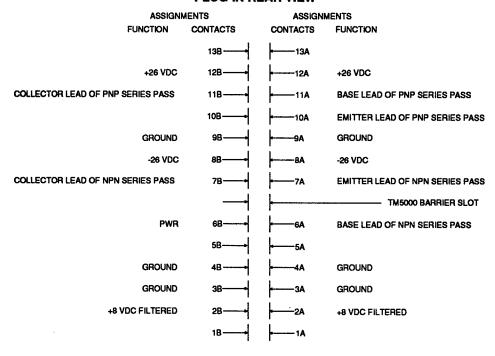
#### **Circuit Board Illustrations.**

Circuit board illustrations are provided in conjunction with the circuit diagrams. Each board-mounted component shown on a diagram is also identified on the circuit board illustration by circuit number. A lookup table is provided with each diagram, listing components by assembly and circuit number. The table also lists the component grid locations on both the associated diagram and the circuit board illustration.

#### **Transistor and Diode Pinouts**

Most active devices in the SG 5030 are shown on the schematics with pin numbers usually referenced to an oriention mark. There is no pin number information on transistors and diodes since they have a standard naming convention for a given case style. See the transistor and diode pinout diagrams in the front of section 10.

# A4 DDS BOARD AND A7 OUTPUT BOARD PLUG-IN REAR VIEW



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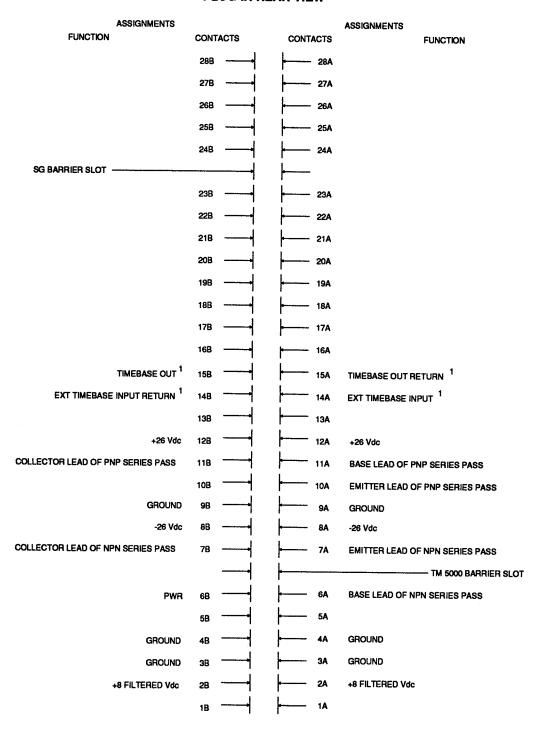
Figure 7-1: DDS and Output Board Rear Interface

# REAR INTERFACE GPIB CONNECTOR A3 CPU BOARD PLUG-IN REAR VIEW

ASSIGNMENTS		ASSIGNMENTS	
FUNCTION	CONTACTS	CONTACTS	FUNCTION
DIO1	1	2	DIO5
DIO2	3	4	DIO6
DIO3	5	6	DIO7
DIO4	7	8	DIO8
NC	9	10	NC
EOI	11	12	IFC
DAV	13	14	SRQ
NRFD	15	16	ATN
NDAC	17	18	REN
GND	19	50	NC

Figure 7-2: CPU Board GPIB Rear Interface

#### A6 TIMEBASE BOARD PLUG-IN REAR VIEW



These rear connector functions are active only when the coaxial cables are removed from the front-panel connectors and reconnected to J3050 and J3051 on the A6-Timebase board.

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Figure 7-3: Timebase Board Rear Interface

#### **Static Sensitive Components**



Static discharge can damage any semiconductor component in this instrument.

This instrument contains electrical components that are susceptible to damage from static discharge. See Table 7-1 for relative susceptibility of various classes of semiconductors. Static voltages of 1kV to 30kV are common in unprotected environments.

Observe the following precautions to avoid damage:

- 1. Minimize hamdling of static-sensitive components.
- 2. Transport and store static-sensitive components or assemblies in their original containers, on a metal rail, or on conductive foam. Label any package that contains static-sensitive assemblies or components.
- Discharge the static voltage from your body by wearing a wrist strap while handling these components. Servicing static-sensitive assemblies or components should be performed only at a static-free work station by qualified service personnel.
- 4. Nothing capable of generating or holding a static charge should be allowed on the work station surface.
- 5. Keep the component leads shorted together whenever possible.
- 6. Pick up components by the body, never by the leads.
- 7. Do not slide the components over any surface.
- 8. Avoid handling components in areas that have a floor or work surface covering capable of generating a static charge.
- 9. Use a soldering iron that is connected to earth ground.

Use only special antistatic suction-type or wick-type desoldering tools.

**Table 7-1: Static Discharge Susceptibility Levels** 

Semiconductor Classes	Relative Susceptibility Levels <sup>a</sup>
MOS or CMOS microcircuits or discretes or linear microcircuits with MOS inputs (Most Sensitive	) 1
ECL	2
Schottky signal diodes	3
Schottky TTL	4
High-frequency bipolar transistor	rs 5
JFET	6
Linear microcircuits	7
Low-power Schottky TTL	8
TTL (Least Sensitive)	9
a Voltage equivalent for levels (voltage discharthrough resistance of $100\Omega$ :	rge from a 100 pF capacitor
1 = 100 to 500 V 2 = 200 to 500 V 3 = 250 V 4 = 500 V 5 = 400 to 600 V	6 = 600 to 800 V 7 = 400 to 1000 V (es 8 = 900 V 9 = 1200 V

#### **internal Fuse Replacement**

Remove the SG 5030 from the power module.

**WARNING** 

To avoid shock hazard, do not attempt to replace internal fuses with power applied to the SG 5030. Disconnect plug-in extender cables, if used, from the power module.

Remove the cabinet side panels, top rails, and rear panel as described under Circuit Board Removal in this section.

WARNING

To avoid fire hazard use only the fuse of correct type, voltage, and current rating as specified in Section 9-Replaceable Electrical Parts. The SG 5030 has seven internal fuses soldered on various circuit boards. Figure 7-4 shows the function of each fuse and its location. After fuse replacement, reinstall the cabinet panels in reverse order of removal.

#### **Output Hybrid Bias Setup**

The bias adjustments on the Output Hybrid are used to optimize the harmonic performance of the SG 5030.

Performing the steps below is necessary only if parts of the Output Hybrid Bias circuitry have been replaced.

For the following bias adjustments to be accurate, the DC control loop must be functional. This can be checked by measuring the output DC voltage for <10mV DC offset.

Care should be taken in probing the following bias points since access is not always convenient.

The checks in steps a and b need to be done with the TM 5006A Power Module top cover slid back to provide better access to the measurement points. An alternate method is to operate the SG 5030 outside the TM 5006A Power Module on flexible extender cables. (See note in Circuit Board Removal part of this section on use of a cooling fan if flexible extender cables are used.)



The SG 5030 should not be operated for an extended period of time with the covers slid back, since reduced air flow over the instrument will cause an unacceptable temperature rise.

- a. Verify operation of all output hybrid bias voltages and currents
  - +21VS voltage should be +21V ±0.5V measurable at the middle pin of Q1040.
  - -20.5VS voltage should be -20.5V ±0.5V measurable at the middle pin of Q2040.
  - Vee2 voltage variable approximately -11.2V to -8.8V measurable at pin 18 of H3070.
  - cur1 current variable 80mA to 140mA (±5mA) measurable as voltage across R4050 (100Ω)

- cur2 current variable 80mA to 140mA (±5mA) measurable as voltage across R4060 (100Ω)
- cur3 current should be 200 ma (±5 ma) measurable as voltage across R5080 (50Ω)
- cur4 current variable 120mA to 200mA (±5mA) measurable as voltage at top pin (emitter) of Q1080 (+5.8V to 9.8V) (100Ω)
- cur5 current should be 80 ma (±3 ma) measurable as voltage across R4070 (100Ω)

#### **Note**

The test points for adjustments cur6 and cur7 are accessible through the slots in the rail on the front side of the Output board by using a set of small meter leads such as Tektronix Meter Lead Set ALM02

- cur6 current variable approximately 320mA to 500mA measurable as voltage across R1070 (10Ω)
- cur7 -current should be 80 ma ±3 ma measurable as voltage across R1080 (100Ω)
- b. Set nominal values for all variable bias adjustments:
  - cur1 –set to 100 ma (10V across R4050)
  - cur2 –set to 100 ma (10V across R4060)
  - cur4 -set voltage at top pin (emitter) of Q1080 to 8 volts
  - cur6 –set to 400 ma (4V across R1070)
  - vee2 -set voltage to -10V at pin 18 of H3070

#### Cleaning

This instrument should be cleaned as often as operating conditions require. Loose dust accumulated on the outside of the instrument can be removed with a soft

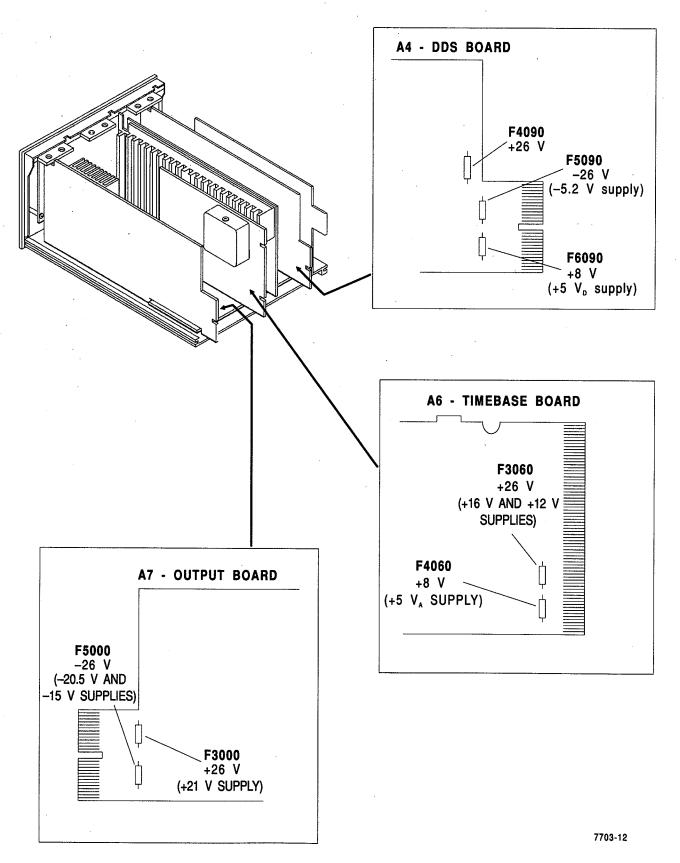


Figure 7-4: Internal Fuse Locations and Functions

cloth or a small brush. Remove dirt that remains with a soft cloth dampened in a mild detergent and water solution. Do not use abrasive cleaners.

Cleaning the interior of a unit should precede calibration since the cleaning processes could alter the settings of calibration adjustments. Use low-velocity compressed air (approximately 5 lb/in²) to blow off accumulated dust. Hardened dirt can be removed with a soft brush or cloth dampened in a solution of water and mild detergent.

# CAUTION

To prevent damaging circuit boards and components allow time for drying before applying power.

Avoid using chemical cleaning agents that might damage plastic parts. Avoid chemicals containing benzene, toluene, xylene, acetone, or similar solvents.

## A3-CPU Board IC/Socket Orientation (U2051 and U3050)

EPROMs U2051 and U3050 each have 28-pins and are inserted into 32-pin sockets. The 28-pin EPROMs are properly inserted into their sockets when the top four socket pins (socket pins 1, 2, 31 and 32) are empty.

#### A4-DDS Board A4U4030 Replacement

The A4U4030 Integrated Circuit has a glued on Heat Sink that is not provided with the replacement IC. The old Heat Sink cannot be removed and reused. When ordering a replacement IC it is also necessary to order a replacement Heat Sink, whose part number can be obtained in the Replaceable Mechanical Parts list at the back of this manual.

The Heat Sink must be attached with a thermally conductive adhesive. Tektronix recommends the use of the LOCTITE® OUTPUT two part adhesive system, LOCTITE® item # 31520 for the adhesive and LOCTITE® item #17100 for the activator.

The Integrated Circuit should be soldered to the board before mounting the Heat Sink. Spread a small amount of the activator on the surface of the Integrated Circuit, making sure none runs onto the IC pins. Next, spread a small amount of adhesive on the surface of the Heat Sink, ensuring there are no voids. The Heat Sink may be attached to the Integrated Circuit immediately, and will be fairly secure in about five minutes.

#### A5-RF Board Heat Sink Installation

Some of the mounting screws for the Heat Sink have fibre washers under them to prevent the screw from shorting to circuit board runs. The location of these fibre washers should be noted on disassembly so that they may be replaced correctly upon reassembly.

#### Preventive Maintenance/Adjustment

The SG 5030 Sine Wave Generator does not require preventive maintenance.

To ensure proper operation, check the electrical adjustment of this power module after each 2,000 hours of operation, or every 12 months if used infrequently.

#### **Multi-pin Connectors**

The pin connectors used to connect the wires to the interconnecting pins are clamped to the ends of the wires. To replace damaged multi-pin connectors, remove the old pin connector from the holder. Do this by inserting a scribe between the connector and holder to release the catch, and pull the connector from the holder. Clamp the replacement connector to the wire. Reinstall the connector in the holder.

If the individual end lead pin connectors are removed from the plastic holder, note the order of the individual wires for correct replacement in the holder.

# Obtaining Replacement Parts

Electrical and mechanical parts can be obtained through your local Tektronix Field Office or representative. However, it may be possible to obtain many of the standard electronic components from a local commercial source. Before purchasing or ordering a part from a source other than Tektronix, Inc., check the Replaceable Electricall Parts list for the proper value, rating, tolerance, and description.

#### NOTE

When selecting replacement parts, remember that the physical size and shape of a component may affect its performance in the instrument.

Some parts are manufactured or selected by Tektronix, Inc., to satisfy particular requirements or are manufactured for Tektronix, Inc., to our specifications.

Most of the mechanical parts used in this instrument have been manufactured by Tektronix, Inc. To determine the manufacturer, refer to the Replaceable Parts list and the Cross Reference indes, Mfr. Code Number to Manufacturer.

When ordering replacement parts from Tektronix, Inc., include the following information:

- 1. Instrument type and option number.
- Instrument serial number.
- 3. A description of the part (if electrical, include complete circuit number).
- 4. Tektronix part number.

### **Diagnostics**

The SG 5030 Hardware self-testing is initiated by a Power-On cycle or by the operator issuing the TESt? command. Frequency and Amplitude control circuitry is also monitored by the firmware during normal instrument operation to detect hardware problems.

If an error code is either displayed on the instrument fron panel or returned to the controller in response to an EVEnt? Or ERROR? query, refer to the error code

definitions in the Programming section of this manual. The only error codes that indicate instrument malfunction are those classified as Internal Errors in the error code list.

The hardware returns simple diagnostic information to the processor via polled lines. The Logic Cell Array on the CPU Board serves as the control interface. The following diagnostic lines have been defined (NOTE: the terminating \* indicates an active low signal):

#### **DDS BOARD**

EXTREF\* — External Reference Detected

REFLOOL\* -- Reference Loop Out of Lock

DDSLOOL\* — DDS Loop Out of Lock

#### RF BOARD

OFSTLOOL\* Offset Loop Out of Lock

PLLNLOOL\* — Narrow Loop Out of Lock

PLLWLOOL\* — Wide Loop Out of Lock

RFLVLOOL\* — RF Leveling Loop Out of Lock

#### **OUTPUT BOARD**

UNPLUG\* — Leveling Head Unplugged

#### 1. Self Tests

The power-on self tests run each hardware test once. If an error occurs, it is stored in the error queue. After all tests are completed and if one or more tests have failed, the SG 5030 display is set to the code of the first error detected. To display additional error codes, if any, press any key on the front panel. If any errors are detected during power-on self test, they must be cleared from the front panel before the instrument will be ready for normal operation. Any errors found during the power-on self test are also reported via the GPIB after they are cleared from the front panel.

The TESt? command, issued over the GPIB, will initiate the self test sequence, as well. However, the errors found, if any, are reported in a different manner. Any errors found as a result of the TESt? command are reported via the GPIB with an active SRQ. The Front Panel readout displays only the last error found.

At the start of the self test, whether initiated by power-on or the TESt? command, the entire display will light for approximately 3 to 4 seconds. The display will then go blank for about a half second. This is to verify that the display is working properly.

#### **CPU Self Tests**

EPROM Checksum (E360):

This error is generated if the checksum calculated by the checksum algorithm does not match the checksum stored in the EPROMs. If this occurs at power-up, it is considered a catastrophic error and the system will not continue beyond this point.

#### NVRAM Test (E361):

The NVRAM test writes to a test section of the NVRAM, and then reads it back for comparison. If the values do not match, then the NVRAM test fails. If this occurs at power-up, it is considered a catastrophic error and the system will not continue beyond this point.

#### RAM Test (E362):

The RAM test writes to a test section of the RAM, and then reads it back for comparison. If the values do not match, then the RAM test fails. If this occurs at power-up, it is considered a catastrophic error and the system will not continue beyond this point.

**Table 7-2: Loop Out of Lock Test States** 

Hardware Diagnostic Test	RFLVLOOL	REFLOOL	PLLWLLOL	DDSLOOL	OFSTLOOL	PLLNLOOL
Output Off Test	U	*	U	U	U	U
Ref Frequency Test	U	*	L	L	L	L
DDS Off Test	U	*	L	U	L	L
10.00000MHz Test	U	*	L	L	L	L
10.00001MHz Test	U	*	L	L	L	L
550.00000MHz Test	U	*	L	L	L	L
Wide Loop Divider Test	U	*	U	L	L	L
Output Amp Powered Test	U	*	U	U	U	U

The **U** symbol represents the UNLOCKED state and the **L** symbol represents the LOCKED state of the LOOL error signals. The \* symbol represents the following dependence:

U if EXTREF \* is inactive L if EXTREF \* is active

#### **NVRAM Battery Test (E363):**

At power-up, a test word that has been previously stored is checked to see if it is valid. If not, then it is assumed that the stored SG 5030 settings are corrupted. In this case a new test word is stored, an error is generated, and the instrument is returned to its factory default settings. This test failure usually also generates error E364.

#### CAL Constant Checksum Test (E364):

A CAL constant checksum is stored in the NVRAM whenever the instrument is run through the calibration sequence. At power-up, a checksum value is calculated by the CPU and compared against the stored value. If they do not match, then it is assumed that the calibration constant values are corrupted. If this occurs, the calibration constants are set to nominal values and the RE-CAL LED is lit.

#### Frequency and Amplitude Hardware Tests

After the CPU self tests, the power-on diagnostics then check that the individual frequency and amplitude loops will lock over the extremes of frequency range. The hardware diagnostics also indirectly test the operation of the serial data bus by monitoring for correct error signal response as the serial shift register values are changed. The operation of the loop-out-of-lock detector circuits is also tested as part of the hardware diagnostic tests, except the REFLOOL which requires an external signal to check for lock.

The following diagnostic steps are performed at power-on after the CPU diagnostics are performed:

- 1. OUTPUT OFF TEST E370 Test for all loops out of lock
- 2. REF FREQ TEST E371
  Tests for main FREQ loops locked
- DDS OFF TEST E372
   Test for DDS loop unlock
- 10.00000MHz TEST E373
   Tests DDS lock to 1MHz, PLLN to 910MHz
- 10.00001MHz TEST E374
   Tests DDS lock to 2MHz, PLLN to 920MHz
- 550.00000MHz TEST E375
   Tests PLLW lock to 1460MHz
- 7. WIDE LOOP DIVIDER TEST E376
  Tests PLLW unlock above max count
- OUTPUT AMP POWERED TEST E377
   Tests the state preceding the application of power to the Output Amp

Table 7-2 shows the state of the Loop Out of Lock lines during each of the tests listed above. For more information on the circuits which are tested, see the Theory of Operation section of this manual.

#### 2. Operational Errors

The SG 5030 continuously monitors various error signals from the analog circuitry to determine if the instrument is operating normally, and to inform the operator if an error is detected.

The frequency control circuitry diagnostic signals monitor the lock condition of each of the five phase-locked loops in the SG 5030. The amplitude control circuitry diagnostic signals monitor the valid operating range of the leveling head feedback loop for the HF frequency range. In addition, the UNPLUG\* signal and the EXTREF\* signals are monitored.

The front panel UNLVL, UNLCK, and EXT TIMEBASE ACTIVE LEDs are turned on and off as appropriate, based on the above signals. In addition, the SG 5030 will turn its output off automatically if it detects the head UNPLUG\* signal active.

Listed below are the error lines monitored during operation, and the errors generated if an active signal is detected on any of them:

#### **DDS Board**

REFLOOL\* -- E351

Reference Loop Out of Lock. This error can be generated only if an External Reference is being used.

DDSLOOL\* - E355

DDS Loop Out of Lock. Frequency of 50MHz or Greater.

#### RF Board (All Errors HF mode only)

OFSTLOOL\* -- E354

Offset Loop Out of lock.

PLLNLOOL\* — E353

Narrow Loop Out of Lock.

PLLWLOOL\* — E352

Wide Loop Out of Lock.

RFLVLOOL\* — E350

RF Leveling Loop Out of Lock.

#### **OUTPUT BOARD**

UNPLUG\* - E356

Leveling Head Unplugged. When this condition is detected, the CPU turns the output OFF.

For more information on these signals, see the Theory of Operation section in this manual.

#### **Removal Instructions**

**WARNING** 

To avoid shock or fire hazard remove any extending cables from the power module before continuing.

# Cabinet Side, Top, and Rear Panel Removal

The side panels, top rails, and rear panel will need to be removed for most repairs.

#### Side Cover Removal

The two side panels are snapped into the top and bottom rails of the SG 5030. To aid removal, there are cut-outs at the rear corners of the covers. To remove, insert tweezers or a small straight-edged screwdriver into the cutout at the back edge of the cover, and carefully pry the cover away from the rail.

To replace covers, insert the front edge of the cover into the groove along the inside edge of the front frame assembly. Then press the cover down over the rails.

#### Release Latch Handle and Slider Removal

All plastic parts of the latch assemblies and the coil springs are individually replaceable. However, if a latch tension spring becomes damaged, the attached bottom frame rail assembly must be replaced.

- 1. Remove the side covers from the SG 5030.
- Pull the release latch handle out about 1/8" and hold.
- Using a small screwdriver, move the release latch slider forward slightly while pushing down on the release latch handle with your finger to free the handle shaft from the slider. Pull out on the handle to remove.
- 4. To repair the release latch assembly, remove the bottom rail to which it is fastened. The rails are held with screws into the front and rear panel assemblies.
- 5. To replace the release latch handle, push the handle shaft through the slot in the front panel as far as it will go and hold it. Using a small screwdriver, move the release latch slider

forward and the handle upward until the T-shaped end of the handle engages the end of the slider.

#### **Rear Panel Removal**

- 1. Remove side covers.
- Remove the 4 screws holding the rear panel to the top frame assembly.
- 3. Remove the 4 guide studs holding the rear panel to the bottom chassis assembly. (Use a 3/16" hex wrench.)
- 4. Remove the rear panel.
- 5. Reassemble in reverse order.

#### **Circuit Board Removal**

The exploded-view drawing associated with the Replaceable Mechanical Parts list (at the rear of this manual) may be helpful in the removal or disassembly of individual components or subassemblies.

#### Plug-in circuit Board Removal

The following boards are plugged into the A2-Interconnect Board (left to right, viewed from the rear):

Output Board (A7)
Timebase Board (A6)
RF Board (A5)
DDS Board (A4)
CPU Board (A3)

To remove the plug-in boards:

- 1. Remove side covers.
- 2. Remove top rails and rear panel (as one unit) as follows:
  - Remove the 6 screws that secure the top rails to the front casting.
  - b. Remove the 3 screws from the center rail.
  - Remove the 4 guide studs holding the rear panel to the bottom chassis assembly.

- Unplug all cable connectors on the board, keeping track of cable orientation and socket location. Also refer to the SG 5030 basic block/cabling diagram in Section 10. Before the A5-RF board can be removed, you must also remove the 2 screws that secure it to the bottom chassis assembly.
- Carefully unplug and remove the desired board from the Interconnect Board.

#### NOTE

For troubleshooting purposes, boards can be reconnected with an Extender Board. Refer to Test Fixtures at the end of the Replaceable Mechanical Parts list for ordering information.

Troubleshooting of the circuit boards in the SG 5030 on an extender board (067-0175-00) is handled most easily with the use of flexible power module extender cables. (067-0645-02). Three power module extender cables are required, and in addition the SG 5030 could be operated using GPIB commands with a GPIB extender cable (067-0996-00) attached to the SG 5030 CPU circuit board.

# EAUTION

The SG 5030 should not be operated for an extended period of time outside the power module unless an external fan can supply sufficient air flow over the RF and Output circuit boards to keep the circuit board components from overheating.

#### WARNING

Heatsinks and power resistors on several of the SG 5030 circuit boards can become hot enough to cause skin burns.

#### **A1-Front Panel Board Removal**

- 1. Remove side covers.
- Remove release latch handles.
- Remove 12 screws holding front panel assembly to top and bottom frame assemblies.
- 4. Unplug the ribbon cable from the front of the A3-CPU board. Unplug the two Output Head connector cables from the circuit boards. Pull the Front Panel assembly away from the top and bottom frame assemblies and unplug the two timebase cables from the Front Panel connectors. Note the locations of the coaxial cables at the Front Panel connectors for reconnection.
- Remove 4 screws from Front Panel board and lift the circuit board away from the front panel casting.
- 6. Reassemble in reverse order of removal.

#### **A2-Interconnect Board Removal**

- Remove all five circuit boards that plug into the Interconnect board.
- 2. Remove the hardware that secures the power transistor to the bottom frame assembly.
- 3. Remove the 6 screws that secure the A2-Interconnect board and lift away from the bottom frame assembly.
- 4. Reassemble in reverse order of removal.

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# Section 8 Options

There are no options available for the SG 5030 at the time this manual was printed.

# Section 9 Replaceable Parts Lists

#### **Parts Ordering Information**

Replacement parts are available from or through your local Tektronix, Inc. Field Office or representative. When ordering parts, include the following information in your order: part number, instrument type or number, serial number, and modification number if applicable.

If a part you have ordered has been replaced with a new or improved part, your local Tektronix, Inc. Field Office or representative will contact you concerning any change in part number.

Change information, if any, is located at the rear of this manual.

A list of assemblies can be found at the beginning of the electrical parts list. The assemblies are listed in numerical order. When the complete component number of a part is known, this list will identify the assembly in which the part is located.

#### Cross Index-Mfr. Code Number to Manufacturer

The Mfr. Code Number to Manufacturer Cross Index for the parts lists is located immediately after this page. The cross index provides codes, names, and addresses of manufacturers of components listed in the parts lists.

#### **Abbreviations**

Abbreviations conform to American National Standard Y1.1.

#### **Parts List Entry Description**

#### **Component Number**

Items in the Electrical Parts Lists are referenced by circuit component numbers. The circuit component's number appears on the diagrams and circuit board illustrations. Each diagram and circuit board illustration is clearly marked with the assembly number. Assembly numbers are also marked on the mechanical exploded views located in the mechanical parts list. The component number is obtained by adding the assembly number prefix to the circuit number.

The electrical parts list is divided and arranged by assemblies in numerical sequence (e.g. assembly A1 with its subassemblies and parts precedes assembly A2 with its subassemblies and parts).

Chassis mounted parts have no assembly number prefix and are located at the end of the electrical parts list.

#### **Figure and Index Number**

Items in the Mechanical Parts Lists are referenced by figure and index numbers to the illustration(s) located after the schematic drawings.

#### **Tektronix Part Number**

Indicates the part number to be used when ordering replacement parts from Tektronix.

#### **Serial Number**

The first entry indicates the serial number at which the part was first used. The second entry indicates the serial number at which the part was removed. No serial number entered indicates the part used is valid for all serial numbers.

#### Name and Description

Provides the name and a brief description of the part. Because of space limitations, an item name may sometimes appear as incomplete. For further item name identification, the U.S. Federal Catalog handbook H6-1 can be utilized where possible.

#### Mfr. Code

Indicates the code number of the actual manufacturer of the part. (Code to name and address cross reference can be found immediately after this page.)

#### Mfr. Part No.

Indicates the actual manufacturer's part number.

# **Cross Index - Mfr. Code Number to Manufacturer**

Mfr. Code	Manufacturer	Address	City, State, Zip Code
S0482	Sony Corp		Tokyo Japan
TK0303	Fab Tek Inc	17 Sugar Hollow Rd	Danbury Ct 06810
TK0435	Lewis Screw Co	4300 S Racine Ave	Chicago IL 60609-3320
TK0508	Northwest Spring and Mfg Co.	5858 Willow Lane	Lake Oswego OR 97034-5343
TK0858	Stauffer Supply Co (dist)		-
TK0891	Miconics	1 Fairchild Ave	Plainview NY 11803
TK1111	Shigma Inc (importer)	80 Martin Ln	Elk Grove Village IL 60007-1308
TK1285	Gerome Mfg Co Inc	PO Box 737	Newburg OR 97132
TK1319	Morellis Q & D Plastics	1812 16th Ave	Forest Grove OR 97116
TK1442	Taiyo-Yuden (USA) Inc	Arlington Center 714 W Algonquin Rd	Arlington Heights IL 60005
TK1643	Peters-Delaet Inc	7911 NE 33rd Dr Suite 170	Portland OR 97211
TK1665	Portland Die and Stamping Inc	4805 SE 26th	Portland OR 97202
TK1727	Philips Nederland BV AFD Elonco	Postbus 90050	5600 PB Eindhoven The Netherlands
TK1743	Unitrode (UK) LTD	6 Cresswell Park Blackheath	London SE 39 RD England
TK2005	Maxim Integrated Products	510 N Pastoria Ave	Sunnyvale CA 94086-3520
TK2096	Kelvin Associates	14724 Ventura Blvd Suite 1003	Sherman Oaks CA 91403-3501
TK2314	Z-Communications Inc	5450 NW 33rd Ave Suite 100	Ft Lauderdale FL 33309
0A525	Digital RF Solutions	3080 Olcott St suite 200-D	Santa Clara CA 95054-3209
0B0A9	Dallas Semiconductor Corp	4350 Beltwood Pkwy South	Dallas TX 75244
0FDX0	Kyocera Northwest Inc	5701 E 4th Plain Blvd	Vancouver WA 98661
0JR03	Zman And Associates	7633 S 180th	Kent WA 98032
0JR04	Toshiba America Inc Electronics Components Div Business Sector	2692 Dow Ave	Tustin CA 92680
0JR05	Triquest Corp	3000 Lewis and Clark Hwy	Vancouver WA 98661-2999
J260	Comtek Manufacturing Of Oregon (metals)	PO Box 4200	Beaverton OR 97076-4200
)J9P9	Gerome Mfg Co Inc	PO Box 737	Newburg OR 97132
J9R5	Marcon America Corp	3 Pearl Court	Allendale NJ 07401
OKBZ5	Morellis Q & D Plastics	1812 16th Ave	Forest Grove OR 97116
00213	Nytronics Components Group Inc Subsidiary Of Nytronics Inc	Orange St	Darlington SC 29532
00779	AMP Inc	2800 Fulling Mill PO Box 3608	Harrisburg PA 17105
01121	Allen-bradley Co	1201 S 2nd St	Milwaukee WI 53204-2410
01295	Texas Instruments Semiconductor Group	13500 N Central Expy PO Box 655012	Dallas TX 75265
02113	Coilcraft Inc	1102 Silver Lake Rd	Cary IL 60013-1658
03888	KDI Electronics	60 S Jefferson Rd	Whippany NJ 07981-1001
04222	AVX Ceramics Div Of AVX Corp	19th Ave South PO Box 867	Myrtle Beach SC 29577
04713	Motorola Inc Semiconductor Products Sector	5005 E Mcdowell Rd	Phoenix AZ 85008-4229

Mfr. Code	Manufacturer	Adduses	
05820		Address	City, State, Zip Code
05828	EG and G Wakefield Engineering General Instrument Corp	60 Audubon Rd 600 W John St	Wakefield MA 01880-1203 Hicksville NY 11802
06665	Government Systems Div Precision Monolithics	1500 Space Park Dr	Santa Clara CA 95050
07263	Sub Of Bourns Inc Fairchild Semiconductor Corp North American Sales Sub of Schlumberger Ltd MS 118	10400 Ridgeview Ct	Cupertino CA 95014
09023	Comell-Dubilier Electronics Div Federal Pacific Electric Co	2652 Dalrymple St	Sanford NC 27330
09922	Burndy Corp	Richards Ave	Norwalk CT 06852
1 W344	United Chemi-Con Inc	9801 W Higgins Suite 430	Rosemont IL 60018-4704
11236	CTS Corp Berne Div Thick Film Products Group	406 Parr Road	Berne IN 46711-9506
11502	International Resistive Co Inc	Greenway Rd PO Box 1860	Boone NC 28607-1860
11532	Teledyne Relays Teledyne Industries Inc Sub of Teledyne Inc	12525 Daphne Ave	Hawthome CA 90250-3308
12969	Unitrode Corp	5 Forbes Rd	Lexington MA 02173-7305
13103	Thermalloy Co Inc	2021 W Vally View Ln PO Box 810839	Dallas TX 75381
15542	Mini-Circuits Laboratory	2625 E 14th St	Brooklyn NY 11235-3915
18324	Signetics Corp Military Product Div	4130 Market Court	Sacramento CA 95834-1222
18796	Murata Erie North American Inc State College Operations	1900 W College Ave	State College PA 16801-2723
19701	Philips Components Discrete Products Div Resistive Products Facility Airport Road	PO Box 760	Mineral Wells TX 76067-0760
22526	Du Point E I Nemours And Co Inc Du Pont Electronics Dept	825 Old Trail Road	Etters PA 17319
24355	Analog Devices Inc	Rt 1 Industrial Pk PO Box 9106	Norwood MA 02062
24539	Avantek Inc	3175 Bowers Ave	Santa Clara CA 95051
24546	Corning Glass Works	550 High St	Bradford PA 16701-3737
24931	Specialty Connecotr Co Inc	2100 Earlywood Dr PO Box 547	Franklin IN 46131
27014	National Semiconductor Corp	2900 Semiconductor Dr	Santa Clara CA 95051-0606
27802	Vectron Labs	166 Glover Ave	Norwalk CT 06850
29454	Johanson Dielectrics Inc	2210 Screenland Dr PO Box 6465	Burbank CA 91505-1137
30161	Aavid Engineering Inc	One Kool Path Box 400	Laconia NH 03246
34371	Harris Corp Harris Semiconductor Products Group	200 Palm Bay Blvd PO Box 883	Melbourne FL 32919
46384	Penn Engineering And Mfg Copr	Old Easton Rd PO Box 1000	Danboro PA 18916
5W664	NDK America Inc	828 Main Street Suite 1906, PO Box 884	Lynchburg VA 24505
5X920	Synergy Microwave Corp	483 McLean Blvd & 18th Ave	Patterson NJ 07504

Mfr. Code	Manufacturer	Address	City, State, Zip Code
50140	K and L Microwave Inc Sub of Dover Corp	408 Coles Cir	Salisbury MD 21801-3214
50434	Hewlett-packard Co Optoelectronics Div	370 W Trimble Rd	San Jose CA 95131
51167	Aries Electronics Inc	62 Trenton Ave PO Box 130	Frenchtown NJ 08825-1221
51640	Analog Devices Inc Microelectronics Div	829 Wobum St	Wilmington MA 01887-3414
53387	Minnesota Mining & Mfg Co	PO Box 2963	Austin TX 78769-2963
54583	TDK Electronics Corp	12 Harbor Park Dr	Port Washington NY 11550
55285	The Berquist Co Inc	5300 Edina Industrial Blvd	Minneapolis MN 55435-3707
55680	Nichicon America Corp	927 E State Pky	Schaumburg 60195-4526
56289	Sprague Electric Co World Headquarters	92 Hayden Ave	Lexington MA 02173-7929
56845	Dale Electronics Inc	2300 Riverside Blvd PO Box 74	Norfolk NE 68701-2242
57027	International Resistive Products Inc	4222 S Staples	Corpus Christi TX 78411-2702
57688	Rohm Corp	8 Whatney PO Box 19515	Irvine CA 92713
58050	Teka Products Inc	45 Salem St	Providence RI 02907
58361	Quality Technologies Corp	3400 Hillview Ave	Palo Alto CA 94304-1319
59621	TRW/LSI Products Div Of TRW Inc	4243 Campus Point Court	San Diego CA 92126
61429	Fox Electronics Fox Enterprises Inc	PO Box 1078	Cape Coral FL 33910-1078
62104	California Eastern Laboratories Inc	3260 Jay St	Santa Clara CA 95054-3309
62786	Hitachi America LTD	1800 Bering Drive	San Jose CA 95122
64155	Linera Technology Corp	1630 Mccarthy Blvd	Milpitas CA 95035-7417
68994	Xilinx	2069 Hamilton Ave	San Jose CA 95125
7X318	Kaso Plastics Inc	11015 A Ne 39th	Vancouver WA 98662
73743	Fishvher Special Mfg Co	111 Industrial Rd	Cold Spring KY 41076-9749
75042	IRC Electronics Components Philadelphia Div TRW Fixed Resistors	401 N Broad St	Philadelphia PA 19108-1001
75915	Littelfuse Inc Sub Tracor Inc	800 Northwest Hwy	Des Plaines IL 60016-3049
80009	Tektronix Inc	14150 SW Karl Braun PO Box 500	Beaverton OR 97077-0001
81073	Grayhill Inc	561 Hillgrove Ave PO Box 10373	La Grange IL 60525-5914
83486	Elco Industries Inc	1101 Samuelson Rd	Rockford IL 61101
91637	Dale Electronics Inc	2064 12th Ave PO Box 609	Columbus NE 68601-3632

## **Replaceable Electrical Parts**

A1 CR3010	Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A1DS1010	A1	671-1438-00		CIRCUIT BD ASSY: FRONT PANEL	80009	671-1438-00
AIDS1011   150-1138-00	A1CR3010	152-0141-02		SEMICOND DVC, DI: SW,SI,30V,150MA,30V,DO-35	12969	NDP/263/TR
AIDS1011 150-1138-00	A1CR3011	152-0141-02		SEMICOND DVC, DI: SW,SI,30V,150MA,30V,DO-35	12969	NDP/263/TR
A1DS1012   150-1162-00				LT EMITTING DIO: RED, RECTANGULAR SOLID	50434	HLMP-0300
AIDS1012   150-1182-00	A1DS1011	150-1138-00		LT EMITTING DIO: RED, RECTANGULAR SOLID	50434	HLMP-0300
A1DS1022   150-1162-00	A1DS1012	150-1162-00		=	50434	HDSP-7501
A1DS1021   150-1182-00					50434	HDSP-7501
A1DS1022   150.1182-00						
A1DS1023   150-1182-00						
A1DS1030						
A1DS1031   150-1182-00						
A1DS1042   150-118-00						
ATDS1040   150-1138-00						
ATDS1041   150-1138-00						
A1DS1042 150-1138-00	A1D51040	150-1138-00		STATE		
A1DS1043 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS1044 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS1045 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS1050 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1051 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1052 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 HLMP-0300 STATE 50434 DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 DIO: GREEN, 30MA 50434 HLMP-0300 STATE 50434 DIO: GREEN, 30MA 50434 HLMP-0300 STATE 50434 DIO: GREEN, 30MA 50434 DIO:	A1DS1041	150-1138-00			50434	HLMP-0300
A1DS1043   150-1138-00   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   HLMP-0300   STATE   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   HLMP-0300   STATE   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   HLMP-0300   STATE   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   HLMP-0300   STATE   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   GLMP-0549   A1DS1051   150-1109-00   LT EMITTING DIO: GREEN, 30MA   50434   GLMP-0549   A1DS1052   150-1109-00   LT EMITTING DIO: GREEN, 30MA   50434   GLMP-0549   A1DS1053   150-1138-00   LT EMITTING DIO: RED, RECTANGULAR SOLID   50434   HLMP-0300   STATE	A1DS1042	150-1138-00			50434	HLMP-0300
A1DS1044 150-1138-00	A1DS1043	150-1138-00		LT EMITTING DIO: RED, RECTANGULAR SOLID	50434	HLMP-0300
A1DS1045 150-1138-00	A1DS1044	150-1138-00	•	LT EMITTING DIO: RED, RECTANGULAR SOLID	50434	HLMP-0300
A1DS1050 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1051 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1052 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 HLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE STA	A1DS1045	150-1138-00		LT EMITTING DIO: RED, RECTANGULAR SOLID	50434	HLMP-0300
A1DS1051 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS1052 150-1109-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3010 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS3040 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3040 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3050 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1MP1 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP2 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP3 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP5 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP5 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP6 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE  A1MP7 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 STATE STAT	A1D01050	150 1100 00			50434	OI MP-05/49
A1DS1052 150-1109-00 LT EMITTING DIO: GREEN,30MA 50434 PLMP-0549 A1DS1053 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3010 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 PLMP-0549 A1DS3040 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3050 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1MP1 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP2 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP4 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP5 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP6 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP7 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP9 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP7 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP9 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP11 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP13 366-0732-00 KNOB, KEYCAP: LIGHTED 0KB25 ORDER BY DESCRI A1MP14 366-0732-00 KNOB, KEYCAP: LIGHTED 0KB25 ORDER BY DESCRI A1MP15 366-0732-00 KNOB, KEYCAP: LIGHTED 0KB25 ORDER BY DESCRI A1MP17 366-0733-00 KNOB, KEYCAP: UNLIT 0KB25 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KB25 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KB25 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KB25 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KB25 ORDER BY DESCRI						
A1DS3010 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE S						
A1DS3010 150-1109-00 LT EMITTING DIO: GREEN, 30MA 50434 QLMP-0549 A1DS3040 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1DS3050 150-1138-00 LT EMITTING DIO: RED, RECTANGULAR SOLID 50434 HLMP-0300 STATE  A1MP1 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP2 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP3 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP4 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP5 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP6 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP6 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT, PL-IN ELEK: DIP, PCB, STR, 10 POS, 2 X 5, 0.2 51167 10-2511-10 A1MP8 136-0732-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP10 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP11 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP13 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP14 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP18 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP2 366-0733-00 KNOB, KEYC				LT EMITTING DIO: RED, RECTANGULAR SOLID		
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A1MP2 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 10-25	A1MP1	136-1094-00	•	SKT.PL-IN ELEK: DIP. PCB. STR.10 POS. 2 X 5.0.2	51167	10-2511-10
A1MP3 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP4 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP5 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP6 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP7 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10   A1MP9 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP10 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP11 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP12 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP13 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP14 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP15 366-0733-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP16 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP17 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP18 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP20 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP20 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP20 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP22 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP22 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-				SKT.PL-IN ELEK: DIP. PCB. STR.10 POS. 2 X 5.0.2	51167	10-2511-10
A1MP4 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 10-25	A1MP3	136-1094-00		SKT.PL-IN ELEK: DIP. PCB. STR.10 POS. 2 X 5.0.2	51167	10-2511-10
A1MP5 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP6 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP7 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP9 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP10 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP11 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP12 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP13 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP14 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP15 366-0732-00 KNOB, KEYCAP: LIGHTED 0KBZ5 ORDER BY DESCRI A1MP16 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP17 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP18 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP20 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP22 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP23 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT 0KBZ5 ORDER BY DESCRI					51167	10-2511-10
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A1MP8 136-1094-00 SKT,PL-IN ELEK: DIP, PCB, STR,10 POS, 2 X 5,0.2 51167 10-2511-10 A1MP9 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP10 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP11 352-0955-00 HOLDER, LAMP: 10 LED, PLASTIC 7X318 ORDER BY DESCRI A1MP12 366-0732-00 KNOB, KEYCAP: LIGHTED OKBZ5 ORDER BY DESCRI A1MP13 366-0732-00 KNOB, KEYCAP: LIGHTED OKBZ5 ORDER BY DESCRI A1MP14 366-0732-00 KNOB, KEYCAP: LIGHTED OKBZ5 ORDER BY DESCRI A1MP15 366-0732-00 KNOB, KEYCAP: LIGHTED OKBZ5 ORDER BY DESCRI A1MP16 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP17 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP18 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP19 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP20 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP21 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP22 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP23 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP23 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI				SKT.PL-IN ELEK: DIP. PCB. STR.10 POS. 2 X 5.0.2		
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A1MP10       352-0955-00       HOLDER, LAMP: 10 LED, PLASTIC       7X318       ORDER BY DESCRI         A1MP11       352-0955-00       HOLDER, LAMP: 10 LED, PLASTIC       7X318       ORDER BY DESCRI         A1MP12       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP13       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP14       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP15       366-0732-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP16       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP17       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP18       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP11       352-0955-00       HOLDER, LAMP: 10 LED, PLASTIC       7X318       ORDER BY DESCRI         A1MP12       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP13       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP14       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP15       366-0732-00       KNOB, KEYCAP: LIGHTED       0KBZ5       ORDER BY DESCRI         A1MP16       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP17       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP18       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP19       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
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A1MP17       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP18       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP19       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP18       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP19       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP19       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP20       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP21       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP22       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP23       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI         A1MP24       366-0733-00       KNOB, KEYCAP: UNLIT       OKBZ5       ORDER BY DESCRI						
A1MP22 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP23 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI						·
A1MP23 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI						
A1MP24 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI						
A1MP25 366-0733-00 KNOB, KEYCAP: UNLIT OKBZ5 ORDER BY DESCRI					OKBZ5	ORDER BY DESCRI

Component Number	Tektronix Part Number	Serial No. Effective		Name & Description	Mfr. Code	Mfr.Part No.
A1MP26	366-0733-00		· · · · · · · · · · · · · · · · · · ·	KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP27	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP28	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP29	366-0733-00			KNOR KEVCAD: INLIT	OKBZ5	ORDER BY DESCRI
A1MP30	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP31	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP32	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP33	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	
A1MP34	366-0733-00			KNOB. KEYCAP: UNLII	OKBZ5	ORDER BY DESCRI
A1MP35	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP36	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1MP37	366-0733-00			KNOB, KEYCAP: UNLIT	OKBZ5	ORDER BY DESCRI
A1R1000	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1001	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1002	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1003	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W RES, FXD, FILM: 400K OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1004	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1010	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R1011	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R2000	313-1470-00			RES, FXD, FILM: 47 OHM, 5%, 0.2W	57668	TR20JE 47E
A1R2010	313-1104-00			RES, FXD, FILM: 100K OHM, 5%, 0.2W	57668	TR20JE 100K
A1R2011	313-1104-00			RES, FXD, FILM: 100K OHM, 5%, 0.2W	57668	TR20JE 100K
A1SW1050	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW1051	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW1060	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED		TR1-01
A1SW1061	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW1062	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2000	260-2503-00			SWITCH, PUSH: SPST, SUBMINATURE, W LED, RED		TR2-21-L2
A1SW2020	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2030	260-2524-00			SWITCH, ROTARY: CONTACTING ENCODER		MRP-1-20
A1SW2031	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2050	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2051	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2052	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW2053	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW2060	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW2061	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW2062	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW2063	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW3000	260-2503-00			SWITCH, PUSH: SPST, SUBMINATURE, W LED, RED	TK1111	TR2-21-L2
A1SW3010	260-2503-00			SWITCH, PUSH: SPST, SUBMINATURE, W LED, RED	TK1111	TR2-21-L2
A1SW3020	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW3030	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1SW3040	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW3050	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW30511	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW3060	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	
A1SW3061	260-2503-00			SWITCH, PUSH: SPST, SUBMINATURE, W LED, RED		TR2-21-L2
A1SW3062	260-2504-00			SWITCH, PUSH: SPST, SUBMINATURE, W/O LED	TK1111	TR1-01
A1U2010	156-3058-00			IC, DIGITAL: HCMOS, GATE; DUAL 4-INPUT NAND	01295	SN74HC20N
A1W3081	175-9026-00			CA ASSY, SP, ELEC: 50, 28 AWG, 6.5 L	53387	
				OTT TOO 1, OI , LLLO. 30, 20 AVIG, 0.3 L	00007	ORDER BY DESCRI

Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A2	671-1439-00			CIRCUIT BD ASSY: INTERCONNECT	80009	671-1439-00
A2C2010	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C2020	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C2021	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C2040	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C2041	290-0845-00			CAP, FXD, ELCTLT: 330UF, + 50-10%, 25V	1W344	KMC25VB331M10X2
A2C2042	290-0845-00			CAP, FXD, ELCTLT: 330UF, + 50-10%, 25V	1W344	KMC25VB331M10X2
A2C2050	290-0804-01			CAP, FXD, ELCTLT: 10UF, 20%, 25V	0J9R5	CEUSM1E100T12
A2C2060	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C2061	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C3010	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C3020	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C3040	290-0845-00			CAP, FXD, ELCTLT: 330UF, + 50-10%, 25V	1W344	KMC25VB331M10X2
A2C3060	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA 10Z5U104Z50V
A2C4050	290-0920-00			CAP, FXD, ELCTLT: 33UF, + 50-20%, 35WVDC	1W344	SM35VB33RM6X11L
A2CR4050	152-0066-00			SEMICOND DVC, DI: RECT, SI,400V, 1A, DO-41	05828	GP10G-020
A2J5030	131-4823-00			CONN, PLUG, ELEC: HDR, PCB, MALE, STR, 2X20	00779	1-102692-3
A2J5040	131-4823-00			CONN, PLUG, ELEC: HDR, PCB, MALE, STR, 2X20	00779	1-102692-3
A2J5090	131-4823-00			CONN, PLUG, ELEC: HDR, PCB, MALE, STR, 2X20	00779	1-102692-3
A2J5100	131-4823-00			CONN, PLUG, ELEC: HDR, PCB, MALE, STR, 2X20	00779	1-102692-3
A2J7020	131-4823-00			CONN, PLUG, ELEC: HDR, PCB, MALE, STR, 2X20	00779	1-102692-3
A2MP2	214-2518-01			HEAT SINK, XSTR: TO-202/TO-220, AL	TK0303	332-012
A2R3010	307-0446-00			RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A2U2060	156-0285-00			IC, LINEAR: BIPOLAR, VOLTAGE REGULATOR; POS 15V	04713	MC7812CT
A2U4050	156-0527-00			IC, LINEAR: BIPOLAR, VOLTAGE REGULATOR; NEG 15V	01295	UA7915CKC

Component Number	Tektronix Part Number	Serial No. Effective Dscon	Name & Description	Mfr. Code	Mfr.Part No.
A3	671-1444-00		CIRCUIT BD ASSY: CPU	80009	671-1444-00
A3C1040	281-0893-00		CAP, FXD, CER DI: 4.7PF, + /-0.5PF, 100V	04222	SA101A4R7DAA
A3C1041	281-0811-00		CAP, FXD, CER DI: 10PF, 10%, 100V	04222	SA101A100KAA
A3C1081	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2020	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2040	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2060	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2061	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2070	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2071	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2072	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C2080	290-0943-00		CAP, FXD, ELCTLT: 47UF, 20%, 25V	1W344	SME25VB47RM5X11
A3C3020	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C3021	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796 18796	RPA10Z5U104Z50V
A3C3030	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL		RPA10Z5U104Z50V
A3C3031	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796 1W344	RPA10Z5U104Z50V UMC10VB221M8X11
A3C3050	290-0944-00		CAP, FXD, ELCTLT: 220UF, 20%, 10V	18796	
A3C4020	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V RPA10Z5U104Z50V
A3C4030	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C4050	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL		RPA10Z5U104Z50V
A3C4060	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796 18796	RPA10Z5U104Z50V
A3C4061	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	04222	SR211C104KAA
A3C4062	283-0167-00		CAP, FXD, CER DI: 0.1UF, 10%, 100V	04222	MA405E474MAA
A3C4080	281-0563-00		CAP, FXD, CER DI: 0.47UF, 20%, 50V CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A3C5070	281-0913-00			18796	RPA10Z5U104Z50V
A3C5080	281-0913-00		CAP, FXD, CER DI: 0.1UF, 50V, AXIAL CAP, FXD, CER DI: 0.47UF, 20%, 50V	04222	SA105E473MAA
A3C5081	281-0813-00		LT EMITTING DIO: ORANGE, 635NM, 35MA MAX	58361	MV5774C
A3DS1030	150-1043-00		LT EMITTING DIO: ORANGE, 635NM, 35MA MAX	58361	MV5774C
A3DS104	150-1043-00		LT EMITTING DIO: ORANGE, 635NM, 35MA MAX	58361	MV5774C
A3DS1041	150-1043-00		LT EMITTING DIO: ORANGE, 635NM, 35MA MAX	58361	MV5774C
A3DS1042	150-1043-00		TERMINAL, PIN: 0.365 L X 0.025 PH BRZ GOLD PL	22526	48283-036
A3J3030 A3J3081	131-0608-00 131-0608-00		TERMINAL, PIN: 0.365 L X 0.025 PH BRZ GOLD PL	22526	48283-036
A3J4020	131-0608-00		TERMINAL, PIN: 0.365 L X 0.025 PH BRZ GOLD PL	22526	48283-036
A3J4021	131-0608-00		TERMINAL, PIN: 0.365 L X 0.025 PH BRZ GOLD PL	22526	48283-036
A3J4070	131-0608-00		TERMINAL, PIN: 0.365 L X 0.025 PH BRZ GOLD PL	22526	48283-036
A3J5030	131-4822-00		CONN, RCPT, ELEC: BOX, PCB, FEMALE, 2X20	00779	1-102585-2
A3L5020	108-1319-00		INDUCTOR, FIXED: 33UH, 10%, 1.8A	54583	TSL1110-330K 1R
A3P4020	131-0993-00		BUS, CONDUCTOR: SHUNT ASSEMBLY, BLACK	22526	65474-006
A3P4021	131-0993-00		BUS, CONDUCTOR: SHUNT ASSEMBLY, BLACK	22526	65474-006
A3Q5070	151-0190-00		TRANSISTOR: NPN, SI, TO-92	07263	2N3904
A3R1042	307-0446-00		RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R1043	307-0446-00		RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R1044	307-0446-00		RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R1045	307-0446-00		RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R1046	307-0446-00		RES NTWK, FXD,FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R2030	313-1331-00		RES, FXD, FILM: 330 OHM, 5%, 0.2W	57668	TR20JE 330E
A3R2040	313-1331-00		RES, FXD, FILM: 330 OHM, 5%, 0.2W	57668	TR20JE 330E
A3R2041	313-1331-00		RES, FXD, FILM: 330 OHM, 5%, 0.2W	57668	TR20JE 330E
A3R2042	313-1331-00		RES, FXD, FILM: 330 OHM, 5%, 0.2W	57668	TR20JE 330E
A3R4060	313-1124-00		RES, FXD, FILM: 120K OHM, 5%, 0.2W	57668	TR20JE 120K
A3R4070	313-1102-00		RES, FXD, FILM: 1K OHM, 5%, 0.2W	57668	TR20JE 01K0
A3R4080	307-0446-00		RES NTWK, FXD, FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A3R5070	313-1123-00		RES, FXD, FILM: 12K OHM, 5%, 0.2W	57668	TR20JE 12K0
A3SK2030	136-0757-00		SKT, PL-IN ELEK: MICROCIRCUIT, 40 DIP	09922	DILB40P-108
A3SK2051	136-0963-00		SKT, PL-IN ELEK: MICROCKT, 32 PIN	00779	2-644018-3
A3SK2060	136-0755-00		SKT, PL-IN ELEK: MICROCIRCUIT, 28 DIP	09922	DILB28P-108
A3\$K2070	136-0755-00		SKT, PL-IN ELEK: MICROCIRCUIT, 28 DIP	09922	DILB28P-108
A3SK3050	136-0963-00		SKT, PL-IN ELEK: MICROCKT, 32 PIN	00779	2-644018-3
A3SK3060	136-0755-00		SKT, PL-IN ELEK: MICROCIRCUIT, 28 DIP	09922	DILB28P-108
A3SK3070	136-0755-00		SKT, PL-IN ELEK: MICROCIRCUIT, 28 DIP	09922	DILB28P-108
A3SK4020	136-0875-00		SKT, PL-IN ELEK: PLCC, 68 POS, 0.05 CTR, TIN	00779	3-821574-1
A3SK4040	136-0875-00		SKT, PL-IN ELEK: PLCC, 68 POS, 0.05 CTR, TIN	00779	3-821574-1
A3SW3020	260-2174-00		SWITCH, ROCKER: (4) SPST, 30MA, 30V	81073	76PSB04S
A3U1020	156-1414-00		IC, DIGITAL: LSTTL, TRANSCEIVER; OCTAL IEEE-488	01295	SN75160B (N OR

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Component Number	Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A3U1050	160-6619-00		MICROCKT, DGTL: LOW POWER PRGM ARRAY	80009	160-6619-00
			LOGIC, PR		
A3U1080	156-2980-00		MICROCKT, DGTL: HCMOS,QUADRATURE	50444	HCTL-2000
			DECODER/COUNTER INTERFACE		
A3U2020	156-1415-00		IC, DIGITAL: LSTTL, TRANSCEIVER; OCTAL	01295	SN75161B (N OR
			IEEE-488		
A3U2021	156-1444-01		IC, PROCESSOR; NMOS, CONTROLLER; GPIB	01295	TMS9914A (NL OR
			ADAPTER		
A3U2041	156-1408-00		MICROCKT, LINEAR: TIMER, LOW POWER	34371	ITS9217
A3U2050	160-6755-00		MICROCKT, DGTL: STTL, PLD, 20 IN, 10 OUT,	80009	160-6755-00
			PRGM		
A3U2051	160-6447-01		MICROCKT, DGTL: CMOS, EPROM, PRGM	80009	160-6447-01
A3U2060	156-3251-00		IC, MEMORY: CMOS, SRAM; 32K X 8, 120NS	62786	HM62256P-12
A3U2070	156-3251-00		IC, MEMORY: CMOS, SRAM; 32K X 8, 120NS	62786	HM62256P-12
A3U2071	156-1621-00		MICROCKT, DGTL: CMOS, 8 DIGIT LED DRIVER	TK2005	
A3U3050	160-6448-01		MICROCKT, DGTL: CMOS, EPROM, PRGM	80009	160-6448-01
A3U3060	156-2991-00		IC, MEMORY: CMOS, NVRAM; 8K X 8, 200NS,	0B0A9	DSI225Y
A3U3070	450 0004 00		SRAM, INTE	00040	DOLOGEN
A303070	156-2991-00		IC, MEMORY: CMOS, NVRAM; 8K X 8, 200NS,	0B0A9	D\$I225Y
A3U3071	150 1001 00		SRAM, INTE MICROCKT, DGTL: CMOS, 8 DIGIT LED DRIVER	TK2005	ICM7218AIPI
A3U3071 A3U3080	156-1621-00		IC, DIGITAL: CMOS, MUX/ENCODER; 20-KEY	27014	MM74C923N
A3U3U6U	156-1215-00			2/014	WW74C923N
A3U4020	156-5390-00		ENCODER MICROCKT, DGTL: CMOS, 10 X 10 LOGIC CELL	68994	XC2018-50PC68C
A304020	156-5390-00		ARRAY	00994	AU2018-50PC68C
A3U4040	156-5960-00		MICROCKT, DGTL: CMOS, MICROPROCESSOR,	04713	MC68HC000FN10
A304040	150-5500-00		16-BIT, 10	04/13	WCOSHCOOPINIO
A3U4050	160-6756-00		MICROCKT, DGTL: STTL, PLD, 20IN, 10 OUT,	80009	160-6756-00
7004030	100-0750-00		PRGM	00003	100-0730-00
A3U4070	156-3050-00		IC, MISC: CMOS, PWR SUPPLY SUPERVISOR:	0B0A9	DS1232
7,004070	100-0000-00		MPU RESE	ODOAS	501252
A3W3020	131-0566-00		BUS, CONDUCTOR: DUMMY RES, 0.094 OD X	24546	OMA 07
7.0770020	.0. 0000 00		0.225L	2.0.0	
A3Y1030	158-0271-00		XTAL UNIT, QTZ: 3.6864MHZ, 700PPM, SERIES,	5W664	NDK-037
			ESR 1		
A3Y3040	119-3715-00		OSC, XTAL, CLOCK: HCMOS, 10.0MHZ, 0.01%, 4	61429	F5C 10.000 MHZ
			PIN		

Component Number	Tektronix Part Number	Serial No. Effective Dsc	ont	Name & Description	Mfr. Code	Mfr.Part No.
A4	671-1440-00			CIRCUIT BD ASSY: DDS	80009	671-1440-00
A4C1000	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1010	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1011	281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1020	290-0943-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C1021	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C1022	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1030	281-0268-00			CAP, FXD, CER DI: 680PF, 100V	04222	MA101A681KAA OR
A4C1040	281-0268-00			CAP, FXD, CER DI: 680PF, 100V	04222	MA101A681KAA OR
A4C1041	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1042	281-0770-00			CAP, FXD, CER DI: 1000PF, 20%, 100V	04222	SA101C102MAA
A4C1043	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C1050	290-0804-00			CAP, FXC, ELCTLT: 10UF, + 50-20%, 25V	1W344	SMC63VB10RM6X11
A4C1051	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C1070	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C1080	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C2000	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C2001	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C2010	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C2020	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C2021	283-0051-00			CAP, FXC, CER DI: 0.0033UF, 5%, 100V	04222	SA301A332JAA
A4C2022	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	
A4C2023	281-0826-00			CAP, FXD, CER DI: 2200PF, 10%, 100V	TK1743	RPA10Z5U104Z50V
A4C2024	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL		CGB222KEX
A4C2030	290-0943-00				0422	SA105C223MAA
A4C2031	283-0051-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V CAP, FXC, CER DI: 0.0033UF, 5%, 100V	1W344	KMC25VB47RM6X11
A4C2034	281-0913-00				04222	SA301A332JAA
A4C2040				CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
	290-0943-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C2060	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C2061	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C2080	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3000	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3001	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3002	281-0823-00			CAP, FXD, CER DI: 470PF, 10%, 50V	04222	SA101A471KAA
A4C3003	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3010	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3011	281-0823-00			CAP, FXD, CER DI: 470PF, 10%, 50V	04222	SA101A471KAA
A4C3012	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3013	281-0826-00			CAP, FXD, CER DI: 2200PF, 10%, 100V	TK1743	CGB222KEX
A4C3014	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3020	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3021	281-0909-00	*		CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3030	281-0823-00			CAP, FXD, CER DI: 470PF, 10%, 50V	04222	SA101A471KAA
A4C3031	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3032	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3033	281-0826-00			CAP, FXD, CER DI: 2200PF, 10%, 100V	TK1743	CGB222KEX
A4C3034	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3040	281-0826-00			CAP, FXD, CER DI: 2200PF, 10%, 100V	TK1743	CGB222KEX
A4C3041	281-0797-00			CAP, FXD, CER DI: 15PF, 10%, 100V	04222	SA106A150KAA
A4C3050	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3051	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C3060	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C3080	281-0920-00			CAP, FXD, ELCTLT: 33UF, + 50-20%, 35WVDC	1W344	SM35VB33RM6X11L
A4C4000	290-0943-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	
A4C4001	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	KMC25VB47RM6X11
A4C4002	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL		SA105C223MAA
A4C4010	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C4020	290-0943-00			CAP FYC FIECTIT: ATHE . FO DOW DEV	18796	RPA10Z5U104Z50V
A4C4021				CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C4021 A4C4022	281-0823-00			CAP, FXD, CER DI: 470PF, 10%, 50V	04222	SA101A471KAA
	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C4023	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C4030	281-0909-00			CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C4031	281-0759-00			CAP, FXD, CER DI: 22PF, 10%, 100V	04222	SA101A220KAA
A4C4032	290-0943-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1 W344	KMC25VB47RM6X11
A4C4033	290-0943-00			CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C4040	281-0913-00			CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V

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Number	Part Number	Serial No. Effective Dscont		Mfr. Code	Mfr.Part No.
A4C4041	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C4050	290-0804-00		CAP, FXC, ELCTLT: 10UF, + 50-20%, 25V	1W344	
A4C4051	281-0765-00		CAP, FXD, CER DI: 100PF, 5%, 100V	04222	SA102A101JAA
A4C4070	281-0913-00	•	CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C4071	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C4080	290-0920-00		CAP, FXD, ELCTLT: 33UF, + 50-20%, 35WVDC	1W344	
A4C5000	281-0909-00		CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C5010	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C5020	281-0909-00		CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C5030	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C5031	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	PD440751404750V
A4C5040	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C5041	281-0770-00		CAP, FXD, CER DI: 1000PF, 20%, 100V	04222	RPA10Z5U104Z50V
A4C5050	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	SA101C102MAA
A4C5051	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	RPA10Z5U104Z50V
A4C5052	283-0177-00		CAP, FXD, CER DI: 1UF, + 80-20%, 25V	04222	RPA10Z5U104Z50V
A4C5070	281-0770-00		CAP, FXD, CER DI: 1000PF, 20%, 100V	04222	SR305E105ZAA
A4C5071	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	1W344	SA101C102MAA
A4C5080	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	18796	KMC25VB47RM6X11
A4C5081	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V		RPA10Z5U104Z50V
A4C6000	283-0772-01		CAP, FXD, MICA DI: 497PF, 1%, 500V	1W344	KMC25VB47RM6X11
A4C6001	281-0770-00		CAP, FXD, CER DI: 1000PF, 20%, 100V	09023	CDA15FD(497)F03
A4C6002	283-0598-01		CAP, FXD, MICA DI: 253PF, 5%, 500V	04222	SA101C102MAA
A4C6010	281-0909-00		CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	09023	CDA15FD(253)J03
A4C6011	281-0909-00		CAP, FXC, CER DI: 0.022UF, 20%, 50V, AXIAL	0422	SA105C223MAA
A4C602	290-0943-00		CAP, FXC, ELECTLT: 47UF, + 50-20%, 25V	0422	SA105C223MAA
A4C6030	290-0943-00		CAP, FXC, ELECTLT: 470F, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C6040	290-0943-00		CAP, FXC, ELECTLT: 470F, + 50-20%, 25V	1W344	KMC25VB47RM6X11
A4C6041	281-0913-00		CAP, FXC, CER DI: 0.1UF, 50V, AXIAL	1W344	KMC25VB47RM6X11
A4C6042	290-0804-00		CAP, FXC, ELCTLT: 10UF, + 50-20%, 25V	18796	RPA10Z5U104Z50V
A4C6050	290-0943-00		CAP, FXC, ELECTET: 100F, + 50-20%, 25V	1W344	SMC63VB10RM6X11
A4CR4040	152-0141-02		SEMICOND DVC DI CW CL COV 45044 COV	1W344	KMC25VB47RM6X11
	102 0141 02		SEMICOND DVC, DI: SW, SI, 30V, 150MA, 30V, D0-35	12969	NDP/263/TR
A4CR4050	152-0951-00		SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF,	50434	E000 0070
1.00			DO-35	30434	5083-2672
A4CR5010	152-0673-00		SEMICOND DVC, DI: VVC, SI, 480PF, 18V, TO-92	04713	MVAM115
A4CR5080	152-0066-00		SEMICOND DVC, DI:, RECT, SI, 400V, 1A, DO-41	05828	GP10G-020
A4CR6010	152-0673-00		SEMICOND DVC, DI: VVC, SI, 480PF, 18V, TO-92	04713	MVAM115
A4CR6050	152-0066-00	•	SEMICOND DVC, DI:, RECT, SI, 400V, 1A, DO-41	05828	GP10G-020
A4CR6051	152-0166-00		SEMICOND DVC, DI: ZEN, SI, 6.2V, 5%, 400MW,	04713	SZ11738RL
A 4E 4000	150 0450 00		DO-7	04710	OZITIOONE
A4F4090 A4F5090	159-0159-00		FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC	75915	25501.5
	159-0159-00		FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC	75915	25501.5
A4F6090	159-0159-00		FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC	75915	25501.5
A4J1050	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030H, 0.05	22526	75060-012
A4J2050	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030H,	22526	75000 040
1.100==			0.05	22320	75060-012
A4J2055	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030H,	22526	75060-012
A4J3011	136-0252-07		9.05		
	100 0202-07		SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030H, 0.05	22526	75060-012
A4JG1040	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	00000	101 1000 00
A4JG204	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A4JG3040	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A4JG4000	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A4L1040	108-1355-00		COIL, RF: FXD, 0.82UH, 10%	80009	131-1003-00
A4L2010	108-1344-00		COIL REFERD 3 9 HH . / 100/ O 45 ODE 05 141	91637	IR-2 0.82 MICRO
A4L2030	276-0752-00		COIL, RF: FXD, 3.9 UH, + /-10%, Q =45, SRF 65 MH CORE, EM: FERRITE	54583	SP0305-3R9K
A4L2031	276-0752-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
A4L2032	108-1344-00			TK1442	BP53-BH3.5X10X4
A4L3000	108-1355-00		COIL, RF: FXD, 3.9 UH, + /-10%, Q =45, SRF 65 MH	54583	SP0305-3R9K
A4L3010	108-1344-00		COIL, RF: FXD, 0.82UH, 10%	91637	IR-2 0.82 MICRO
A4L3040	108-1344-00		COIL, RF: FXD, 3.9 UH, + /-10%, Q =45, SRF 65 MH	54583	SP0305-3R9K
A4L3090	276-0752-00		COIL, RF: FXD, 3.9 UH, + /-10%, Q =45, SRF 65 MH	54583	SP0305-3R9K
A4L4030	<u>276-0752-00</u>		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
	-10-010E-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A4L4040	276-0752-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
A4L4070	276-0752-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
A4L4080	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L4081	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L5000	276-0752-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
A4L5010	276-0752-00		CORE, EM: FERRITE	TK1442	BP53-BH3.5X10X4
A4L5070	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L5080	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L6010	108-1479-00		COIL, RF: FIXED, 707NH, TOROIDAL INDUCTOR	80009	108-1479-00
A4L6030	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L6050	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03	108-05538-00
A4L6060	108-0538-00		COIL, RF: FIXED, 2.7UH	0JR03 00779	108-05538-00 1-102585-2
A4P5040	131-4822-00		CONN, RCPT, ELEC: BOX, PCB, FEMALE, RTANG, 2 X 20		
A4Q4050	151-0188-00		TRANSISTOR: PNP, SI, TO-92	04713	2N3906
A4Q6000	151-1012-00		TRANSISTOR: FET, N-CHAN, SI, TO-72	04713	SFD1012
A4R1000	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, TC=T0	57668	CRB20-FX-150E-A
A4R1001	322-3056-00		RES, FXD, FILM: 37.4 OHM, 1%. 0.2W, TC=T0	91637	CCF50-2F-37R40F
A4R1002	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, TC=T0	57668	CRB20-FX-150E-A
A4R1020	313-1271-00		RES, FXD, FILM: 270 OHM, 5%. 0.2W	57668 57668	TR20JE270E TR20JE01K0
A4R1040	313-1102-00		RES, FXD, FILM: 1K OHM, 5%. 0.2W	57668 57668	TR20JE01R0
A4R1041	313-1510-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W		TR20JE10K0
A4R1050	313-1103-00		RES, FXD, FILM :10K OHM,5 %, 0.2W	57668 57668	CRB20-FX-150E-A
A4R2000	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, TC=T0	91637	CCF50-2F-37R40F
A4R2001	322-3056-00		RES, FXD, FILM: 37.4 OHM, 1%. 0.2W, T C = T0	57668	CRB20-FX-150E-A
A4R2002	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, T C=T0	57668	CRB20-FXE-1K50
A4R2003	322-3210-00		RES, FXD, FILM: 1.5K OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-301E
A4R2004	322-3143-00		RES, FXD, FILM: 301 OHM, 1% .0.2W, T C = T0	57668	CRB20-FXE-301E
A4R2010	322-3143-00		RES, FXD, FILM: 301 OHM, 1% .0.2W, T C = T0	57668	CRB20-FXE-1K15
A4R2011	322-3199-00		RES, FXD, FILM: 1.15K OHM, 1%. 0.2W, T C =T0 RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R2020	313-1510-00			57668	TR20JE01K0
A4R2021	313-1102-00		RES, FXD, FILM: 1K OHM, 5%. 0.2W RES, FXD, FILM: 5.9K OHM, 1%. 0.2W, T C ≔T0	56845	ORDER BY DESCRI
A4R2022	322-3267-00		RES, FXD, FILM: 5.9R OHM, 178. 0.2W, 10 = 10	57668	TR20JT6851E0
A4R2023	313-1510-00		RES, FXD, FILM: 270 OHM, 5%. 0.2W	57668	TR20JE270E
A4R2030	313-1271-00		RES. FXD, FILM: 5.9K OHM, 1%. 0.2W, T C =T0	56845	ORDER BY DESCRI
A4R2031	322-3267-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R2032	313-1510-00		RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R2034	313-1103-00		RES, FXD, FILM: 2K OHM, 5%, 0.2W	57668	TR20JE02K0
A4R2035 A4R2040	313-1202-00 321-0751-06		RES, FXD, FILM: 50 OHM, 0.25%. 0.125W, T C =T9	57668	CRB14-CZE-50.0
A4R2050	313-1511-00		RES, FXD, FILM: 510 OHM, 5%. 0.2W	57668	TR20JT68 510E
A4R3000	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, T C = T0	57668	CRB20-FX-150E-A
A4R3001	322-3114-00	•	RES, FXD, FILM: 37.4 OHM, 1%. 0.2W, TC=T0	91637	CCF50-2F-37R40F
A4R3002	322-3114-00		RES, FXD, FILM: 150 OHM, 1%. 0.2W, T C = T0	57668	CRB20-FX-150E-A
A4R3002	313-1430-00		RES, FXD, FILM: 43 OHM, 5%. 0.2W	57668	TR20JT68 43E
A4R3010	322-3142-00		RES, FXD, FILM: 294 OHM, 1%. 0.2W, T C =T0	91637	CCF50-2F294R0F
A4R3011	322-3142-00		RES, FXD, FILM: 294 OHM, 1%. 0.2W, T C = T0	91637	CCF50-2F294R0F
A4R3012	322-3025-00		RES, FXD, FILM: 17.8 OHM, 1%. 0.2W, T C = T0	57668	CRB20FXE1K50
A4R3020	313-1510-00	•	RES. FXD. FILM: 51 OHM, 5%, 0.2W	57668	TR20JT6851E0
A4R3021	313-1510-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R3022	313-1103-00		RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R3030	313-1510-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R3031	313-1103-00		RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R3032	313-1510-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R3040	322-3143-00		RES, FXD, FILM: 301 OHM, 1% .0.2W, T C = T0	57668	CRB20-FXE-301E
A4R3041	313-1510-00		RES, FXD, FILM: 51 OHM, 5%. 0.2W	57668	TR20JT6851E0
A4R3050	321-0212-07		RES, FXD, FILM: 1.58K OHM, 0.1%. 0.125W, TC=T9	57027	1.58K CM55 T9.1
A4R3051	322-3183-00		RES. FXD. FILM: 787 OHM. 1%, 0.2W, TC=T0	57668	CRB20 FXE 787E
A4R3080	307-0446-00		RES NTWK, FXD, FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A4R4000	313-1430-00		RES, FXD, FILM: 43 OHM, 5%. 0.2W	57668	TR20JT68 43E
A4R4000 A4R4001	307-0526-00		RES NTWK, FXD, FI: 5, 510 OHM, 10%, 0.125 W	11236	750-61-R510 OHM
A4R4011	313-1511-00		RES, FXD, FILM: 510 OHM, 5%. 0.2W	57668	TR20JT68 510E
A4R4010	322-3210-00		RES, FXD, FILM: 1.5K OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-1K50
/\ <del>\\</del> 1\\\\	0EE-0E 10-00		RES, FXD, FILM: 301 OHM, 1% .0.2W, T C=T0	57668	CRB20-FXE-301E

Component Number	Tektronix Part Number	Serial No. Effective		Name & Description	Mfr. Code	Mfr.Part No.
A4R4020	313-1100-00			RES, FXD, FILM: 10 OHM, 5%. 0.2W	57668	TR20JE10E0
A4R4021	322-3276-00		*	RES, FXD, FILM: 7.32K OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-7K32
A4R4022	322-3276-00			RES, FXD, FILM: 7.32K OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-7K32
A4R4023	322-3276-00			RES, FXD, FILM: 7.32K OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-7K32
A4R4024	322-3276-00			RES, FXD, FILM: 7.32K OHM, 1%. 0.2W, T C=T0	57668	CRB20-FXE-7K32
A4R4040	313-1102-00	•		RES, FXD, FILM: 1K OHM, 5%. 0.2W	57668	TR20JE01K0
A4R4041	321-0751-06			RES, FXD, FILM: 50 OHM, 0.25%. 0.125W, T C = T9	57668	CRB14-CZE-50.0
A4R4042	313-1101-00			RES, FXD, FILM: 100 OHM, 5%. 0.2W	57668	TR20JE100E
A4R4050	313-1430-00			RES. FXD. FILM: 43 OHM. 5%. 0.2W	57668	TR20JT68 43E
A4R4051	313-1101-00			RES, FXD, FILM: 100 OHM, 5%. 0.2W	57668	TR20JE100E
A4R4052	322-3183-00			RES, FXD, FILM: 787 OHM, 1%. 0.2W, T C = T0	57668	CRB20-FXE-787E
A4R4053	301-0152-00	*		RES, FXD, FILM: 1.5K OHM, 5%. 0.5W	TK1727	
A4R4060	308-0058-00			RES, FXD, WW: 1.5 OHM, 10%, 1W	75042	SP-20-1R500K
A4R4061	313-1101-00			RES, FXD, FILM: 100 OHM, 5%. 0.2W	57668	TR20JE100E
A4R4070	313-1430-00			RES, FXD, FILM: 43 OHM, 5%. 0.2W	57668	TR20JT68 43E
A4R4071	307-0446-00			RES NTWK, FXD, FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A4R4080	307-0446-00			RES NTWK, FXD, FI: 10K OHM, 20%, (9) RES	11236	750-101-R10K
A4R5000	313-1102-00			RES, FXD, FILM: 1K OHM, 5%. 0.2W	57668	TR20JE01K0
					57668	
A4R5001	313-1511-00			RES, FXD, FILM: 510 OHM, 5%. 0.2W		TR20JT68 510E
A4R5010	322-3202-00			RES, FXD, FILM: 1.24K OHM, 1%. 0.2W, TC=T0	57668	CRB20 FXE 1K24
A4R5011	313-1105-00			RES, FXD, FILM: 1M OHM, 5%. 0.2W	57668	TR20JE1M
A4R5012	313-1103-00			RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R5013	322-3242-00			RES, FXD, FILM: 3.24K OHM, 1%. 0.2W, T C = T0	57668	CRB20 FXE 3K24
A4R5014	322-3222-00	-		RES, FXD, FILM: 2K OHM, 1%. 0.2W, T C = T0	57668	CRB20 FXE 2K00
A4R5030	313-1100-00			RES, FXD, FILM: 10 OHM, 5%. 0.2W	57668	TR20JE10E0
A4R5031	313-1103-00			RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R5040	313-1103-00			RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R5041	322-3195-00			RES, FXD, FILM: 1.05K OHM, 1%. 0.2W, T C = T0	76685	CRB20 FXE 1K05
A4R5050	313-1391-00			RES, FXD, FILM: 390 OHM, 5%. 0.2W	57668	TR20JE 390E
A4R5051	313-1391-00			RES, FXD, FILM: 390 OHM, 5%. 0.2W	57668	TR20JE 390E
A4R5052	322-3193-00			RES, FXD, FILM: 1K OHM, 1%. 0.2W, T C=T0	57668	CRB20 FXE 1K00
A4R5053	322-3289-07			RES, FXD, FILM: 10K OHM, 0.1%.0 .2W, T C=T9	91637	CCF501C10001B
A4R5054	301-0202-00			RES, FXD, FILM: 2K OHM, 5%. 0.5W	19701	5053CX2K000J
A4R5070	307-0887-00			RES NTWK, FXD, FI: 5.2K OHM, 2%, 1.5W	01121	110B202
A4R5080	308-0847-01			RES, FXD, WW: 0.62 OHM, 5%, 1W	75042	SP20-R6200J
A4R6000	313-1102-00			RES, FXD, FILM: 1K OHM, 5%. 0.2W	57668	TR20JE01K0
A4R6010	313-1100-00			RES, FXD, FILM: 10 OHM, 5%. 0.2W	57668	TR20JE10E0
A4R6030	313-1105-00			RES, FXD, FILM: 1M OHM, 5%. 0.2W	57668	TR20JE1M
A4R6031	313-1103-00			RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R6040	313-1103-00			RES, FXD, FILM :10K OHM,5 %, 0.2W	57668	TR20JE10K0
A4R6041	322-3255-00			RES, FXD, FILM: 4.42K OHM, 1%. 0.2W, T C = T0	57668	CRB20 FXE 4K42
A4SH4020	337-3337-00			SHIELD, ELEC: 2.1 X 1.1 X 0.4, PERIOD CNTR	0J9P9	337-3337-00
A4SH5000	337-3337-00			SHIELD, ELEC: 2.1 X 1.1 X 0.4, PERIOD CNTR	0J9P9	337-3337-00
A4SK2070	136-0965-00			SKT, PL-IN ELEK: PLCC, PCB, 84, 0.360 H X 0.125	00779	821573-1
A4U1000	119-2592-00			MIXER, FREQUENCY: 1-500MHZ	15542	SBL-1
A4U1010	156-1529-00			MICROCKT, LINEAR; 3-TERM ADJ OUT POS V	04713	LM317LZ
				RGLTR		
A4U1050	156-2256-00			IC, DIGITAL: HCMOS, GATE; QUAD 2-INPUT NAND	01295	SN74HC00N3/J4
A4U1051	156-2358-00			IC, DIGITAL: HCMOS, COUNTER; JOHNSON	04713	MC74HC4017 (NDS
				DECADE CO		
A4U1060	156-2581-00			IC, DIGITAL: HCMOS, MUX; DUAL 4-TO-1 DATA	27014	MM74HC153N
				SELE		
A4U1070	156-2349-00			IC, DIGITAL: HCMOS, SHIFT REGISTER; 8-BIT SIPO	0JR04	TC74HC595AP
A4U1080	156-2349-00			IC, DIGITAL: HCMOS, SHIFT REGISTER; 8-BIT SIPO	0JR04	TC74HC595AP
A4U1081	156-2349-00			IC, DIGITAL: HCMOS, SHIFT REGISTER; 8-BIT SIPO	0JR04	TC74HC595AP
A4U2000	156-1529-00			MICROCKT, LINEAR; 3-TERM ADJ OUT POS V	04713	LM317LZ
	•			RGLTR		
A4U2010	156-3047-00			MICROCKT, LINEAR: MONOLITHIC, RF AMPLIFIER	80009	156-3047-00
A4U2020	156-0860-00			IC, DIGITAL: ECL, RECEIVER; TRIPLE LINE	04713	MC10116P
A4U2021	156-0518-00			IC, DIGITAL: ECL, MISC; PHASE-FREQUENCY	04713	MC12040(P OR L)
				DETECTOR		, ,
A4U2034	156-1631-00			IC, LINEAR: BIPOLAR, VOLTAGE REGULATOR;	01295	TL431C-LP
		-		SHUNT, A		
A4U2040	156-3219-00			IC, CONVERTER: BIPOLAR, D/A; 12 BIT, 20MHZ, 2	59621	TDC1012N7C1
				LSB		

Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A4U2050	156-4033-00			IC, MEMORY: CMOS, MROM; 2048 X 8, DRFS-2252PC, 8	80009	156-4033-00
A4U2060	156-4034-00			IC, MEMORY: CMOS, MROM; 2048 X 8, DRFS-2254PC, 4	80009	156-4034-00
A4U2070	156-6100-00			IC, MISC: CMOS, FREQ SYNTH; DIRECT DIGITAL SYNT	0A525	DRFS-3250-35JC
A4U2080	156-2349-00			IC, DIGITAL: HCMOS, SHIFT REGISTER; 8-BIT SIPO	0JR04	TC74HC595AP
A4U3000	156-3047-00			MICROCKT, LINEAR: MONOLITHIC, RF AMPLIFIER	80009	156-3047-00
A4U3010	156-1529-00			MICROCKT, LINEAR; 3-TERM ADJ OUT POS V RGLTR	04713	LM317LZ
A4U3020	156-3047-00			MICROCKT, LINEAR: MONOLITHIC, RF AMPLIFIER	80009	156-3047-00
A4U4000	156-0860-00			IC, DIGITAL: ECL, RECEIVER; TRIPLE LINE	04713	MC10116P
A4U4020	156-1338-00	•		MICROCKT, LINEAR: OPERATIONAL AMPLIFIER	01295	NE5534P
A4U4030	156-3218-00			MICROCKT, LINEAR: OP-AMP WB H SLEW RATE	34371	HA1-2542-5
A4U5030	156-1225-00			MICROCKT, LINEAR: DUAL COMPARATOR	01295	LM393P
A4U5040	156-0071-00			IC, LINEAR: BIPOLST, VOLTAGE REGULATOR; VARIABLE	04713	MC1723CP
A4U5050	156-0854-00			IC, LINEAR: BIPOLAR, OP-AMP; LOW INPUT BIAS CURRENT	27014	LM308AN
A4U5060	156-2186-00			MICROCKT, LINEAR: VOLTAGE REFERENCE, 10 VOLT	27014	LM368H-10
A4U5061	156-0071-00	•		IC, LINEAR: BIPOLST, VOLTAGE REGULATOR; VARIABLE	04713	MC1723CP
A4W100	174-2591-00			CABLE ASSY, RF:5 0 OHM COAX, 8.5 L, 6-0	80009	175-6344-00
44W400	174-2591-00			CABLE ASSY, RF:5 0 OHM COAX, 8.5 L, 6-0	80009	175-6344-00
44W500	175-8803-00			CABLE ASSY, RF: 50 OHM COAX, 16.75 L, 6-2	80009	175-8803-00
44W600	175-8803-00			CABLE ASSY, RF: 50 OHM COAX, 16.75 L, 6-2	80009	175-8803-00

Componen Number	Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A501010	671-1441-01			CIRCUIT BD ASSY: RF	80009	671-1441-00
A5C1040 A5C1060	290-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	
A5C1080	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C1080	290-5039-00 283-5018-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	
A5C1100	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C1110	290-5039-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V CAP, FXD, ELECTLT: 10UF, 35V	54583	C3216X7R1H333K
A5C1130	290-5039-00			CAP, FXD, ELECTET: 100F, 35V	1W344	MVK35VC10RM5TP
A5C1160	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	1W344	
A5C1161	290-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	54583 1 W344	C3216X7R1H333K
A5C1170	290-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP MVK35VC10RM5TP
A5C2020	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2030	283-5025-00			CAP, FXD, CER DI: 220PF, 5%, 50V	54583	C3216COG1H221J
A5C2040	283-5113-00			CAP, FXD, CER DI: 0.047UF, 10%, 50V, X7R, 1206 PKT	0FDX0	W1206X473K2B04
A5C2041	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2042	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2043	283-5042-00			CAP, FXD, CER DI: 27PF, 5%, 50V	29454	101R18N270JW4-T
A5C2044	283-5027-00			CAP, FXD, CER DI: 470PF, 5%, 50V	54583	C3216COG1H471J
A5C2080 A5C2081	283-5002-00			CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	1206A102KAT050
A5C2090	283-5002-00 283-5018-00		•	CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	1206A102KAT050
A5C2100	283-5003-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2120	283-5018-00			CAP, FXD, CER DI: 0.01UF, 10%, 50V	0FDX0	W1206X103K2B04
A5C2130	283-5005-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2131	283-5107-00			CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V CAP, FXD, CER DI: 22PF, 5%, 100V	54583	C3216COG1H040C
A5C2140	283-5105-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	04222	W1206C220J3B04
A5C2150	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	0FDX0	W1825Z105Z2B04
A5C2151	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	54583 0FDX0	C3216X7R1H333K
A5C2152	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	W1206X104K1B01 C3216X7R1H333K
A5C2160	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C2161	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	0FDX0	W1206X104K1B01
A5C3020	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C3021	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C3030	283-5025-00			CAP, FXD, CER DI: 220PF, 5%, 50V	54583	C3216COG1H221J
A5C3031 A5C3040	283-5113-00			CAP, FXD, CER DI: 0.047UF, 10%, 50V, X7R, 1206 PKT		W1206X473K2B04
A5C3040 A5C3041	290-5039-00 290-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C3080	283-5002-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C3090	283-5002-00			CAP, FXD, CER DI: 1000PF, 10%, 50V CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	1206A102KAT050
A5C3120	283-5018-00			CAP, FXD, CER DI: 1000FF, 10%, 50V	04222	1206A102KAT050
A5C3130	283-5004-00			CAP, FXD, CER DI: 0.0330P, 10%, 50V	54583	C3216X7R1H333K
A5C3131	283-5005-00			CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	0FDX0 54583	W1206X104K1B01
A5C3140	283-5105-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	0FDX0	C3216COG1H040C
A5C3141	283-5005-00			CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	W1825Z105Z2B04 C3216COG1H040C
A5C3150	283-5005-00			CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	C3216COG1H040C
A5C3151	283-5105-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	0FDX0	W1825Z105Z2B04
A5C3170	283-5105-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	0FDX0	W1825Z105Z2B04
A5C3240	283-5000-00			CAP, FXD, CER DI: 10PF, 5%, 50V	04222	W1206C100J2B04
A5C4010	290-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C4030	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C4031 A5C4032	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C4040	283-5018-00 283-5011-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C4041	283-5022-00			CAP, FXD, CER DI: 33PF, 5%, 50V	54583	C3216COG1H330J
A5C4042	283-5011-00			CAP, FXD, CER DI: 47PF, 5%, 50V	54583	C3216COG1H470J
A5C4043	283-5018-00			CAP, FXD, CER DI: 33PF, 5%, 50V	54583	C3216COG1H330J
A5C4050	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C4051	283-5018-00			CAP, FXD, CER DI: 0.033UF, 10%, 50V CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C4080	283-5000-00			CAP, FXD, CER DI: 0.0330F, 10%, 50V	54583	C3216X7R1H333K
A5C4090	283-5002-00			CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	CC1206COG100J10
A5C4091	283-5000-00			CAP, FXD, CER DI: 1000FF, 10%, 50V	04222	1206A102KAT050
A5C4092	283-5000-00			CAP, FXD, CER DI: 10PF, 5%, 50V	04222 04222	CC1206COG100J10
A5C4100	283-5002-00		(	CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	CC1206COG100J10
A5C4101	283-5000-00		(	CAP, FXD, CER DI: 10PF, 5%, 50V	04222	1206A102KAT050 CC1206COG100J10
A5C4120	283-5000-00		(	CAP, FXD, CER DI: 10PF, 5%, 50V		CC1206COG100J10
A5C4121	283-5002-00		(	CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	1206A102KAT050
A5C4160	283-5039-00			CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP

ASC-0480	Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
ASC4180 283-5010-00 CAP, FXD, CER DI: 100FF, 5%, 50V 54583 C3216X7R1H333X ASC4180 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC4180 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5160 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC5150 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333X ASC51510 283-5011-00 CAP, FXD, CER DI:	A5C4161	283-5027-00		CAP, FXD, CER DI: 470PF, 5%, 50V	54583	C3216COG1H471J
ASC4180 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC4190 290-5039-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC4190 290-5039-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5040 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5040 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5161 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5170 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5172 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5172 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54583 C3216X7R1H333K ASC5173 283-5018-00 CAP, FXD, CER DI: 0.038U					54583	C3216X7R1H333K
ASC4191 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC5040 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC5040 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51610 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51610 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51612 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51612 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51612 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51612 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51612 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC5171 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51712 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51713 283-5018-00 CAP, PXD, CER DI: 0.033UF, 10%, 50V 54883 C3218X7R1H333X ASC51713 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC51813 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC51810 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC51810 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC5180 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CAP, PXD, CER DI: 0.035UF, 10%, 50V 54883 C3218X7R1H333X ASC56000 283-5018-00 CA					54583	C3216X7R1H333K
ASC61490 290-5039-90 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC6909 283-5019-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC6909 283-5019-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61510 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61510 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61710 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61710 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.038UF, 10%, 50V 54585 C3216X7R1H333K ASC61712 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC61819 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.0038UF, 10%, 50V 54585 C3216X7R1H333K ASC6021 283-5018-0					54583	C3216X7R1H333K
ASCSG000					1 W344	MVK35VC10RM5TP
ASCISION   283-5018-00	_				54583	C3216X7R1H333K
ASCS1610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS1612 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS1612 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS171 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS181 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS181 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS181 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS181 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 283-5018-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333X ASCS081 C323-50078-00 CAP, FXD, CER DI: 0					54583	C3216X7R1H333K
ABCS1810					54583	C3216X7R1H333K
A5C51612 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H1833SK A5C5170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H1833SK A5C5171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H1833SK A5C5172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H183SK A5C5172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H183SK A5C5173 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H183SK A5C5173 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C32:6X7H183SK A5C5181 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C5181 283-5002-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C5181 283-5002-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%, 50V 54583 C32:6X7H183SK C32:6X7H183SK A5C6021 283-5018-00 CAP, FXD, CER DI: 0.039UF, 10%,				CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
ASCS1810 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS173 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS173 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS181 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS181 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS181 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASCS020 283-5018-00 CAP, FXD, CER DI: 0.033					54583	C3216X7R1H333K
ASCS170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS171 283-5049-00 CAP, VXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS172 283-5049-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K C3216X7R1H333K ASCS180 283-5018-00 CAP, FXD,					54583	C3216X7R1H333K
ASCS171 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS173 290-5039-00 CAP, FXD, CEB DI: 0.076F, 5%, 50V 54583 C3216X7R1H333K ASCS181 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS181 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS181 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS191 283-5002-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS191 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASCS021 283-5018-00 CAP, FXD, CEB DI: 0.033UF,					54583	C3216X7R1H333K
ASC5172 283-5049-00 CAP, YXD, CER DI: 180PF, 5%, 50V 54583 C3216COG1H181.7 ASC51810 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC51810 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC51810 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54583 C3216X7R1H333K ASC51810 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC5020 283-5008-00 CAP, FXD, CER DI: 0.033U				CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
ASC51372 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MYK35VC10RMSTP ASC5180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54588 C3216X7R1H333K ASC5181 283-5018-00 CAP, FXD, CER DI: 0.003UF, 10%, 50V 04222 1206A102KAT050 ASC5191 283-5002-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 04222 1206A102KAT050 ASC5191 283-5018-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 04222 1206A102KAT050 ASC6020 283-5018-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 04222 1206A102KAT050 ASC6020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6030 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%	_					C3216COG1H181J
ASCR180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR180 283-5002-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 04222 1206A102KAT050 ASCR020 283-5018-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 04222 1206A102KAT050 ASCR020 283-5018-00 CAP, FXD, CER DI: 0.000PF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASCR020 C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K C30-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X					1 W344	MVK35VC10RM5TP
ASC5181 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 4222 1206A102KAT050 ASC5191 283-5002-00 CAP, FXD, CER DI: 1.000PF, 10%, 50V 4222 1206A102KAT050 ASC5191 283-5018-00 CAP, FXD, CER DI: 0.003F, 10%, 50V 4828 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 5488 C3216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6060 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6060 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6060 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6060 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6060 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6100 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6101 283-5016-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10				CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
ASCS190 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KA1050 ASC6020 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54883 C3216X7R1H333K ASC6020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6030 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6030 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6032 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6032 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6063 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6063 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 C38-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6061 C38-5018-00 CAP, FXD, CER DI: 0.033UF,				CAP, FXD, CER DI: 0.033UF, 10%, 50V		
ASC6191 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54583 C2216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6010 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H333K ASC6010 283-5015-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C2216X7R1H332K ASC6110 283-5015-00 CAP, FXD, CER DI: 0.1UF, 10%, 55V 07000 W1206X104K1B01 ASC6110 283-5015-00 CAP, FXD, CER DI: 0.1UF, 10%, 55V 07000 W1206X104K1B01 ASC6110 283-5015-00 CAP, FXD, CER DI: 0.1UF, 10%, 55V 07000 W1206X104K1B01 ASC6110 283-5015-00 CAP, FXD, CER DI: 0.1UF, 55V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07000 W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 07						
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ASCR0303 283-5018-00 CAP_FXD_CER_DID_033UF_10%_50V 54883 C3216X7R1H333V ASCR0312 283-5018-00 CAP_FXD_CER_DID_033UF_10%_50V 54883 C3216X7R1H333V ASCR0304 283-5018-00 CAP_FXD_CER_DID_033UF_10%_50V 54883 C3216X7R1H333V ASCR0305 283-5018-00 CAP_FXD_CER_DID_033UF_10%_50V 54883 C3216X7R1H333V ASCR0305 283-5018-00 CAP_FXD_CER_DID_033UF_10%_50V 54883 C3216X7R1H333V ASCR0301 283-5008-00 CAP_FXD_C		283-5018-00				
ASC6030 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6032 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 3000PF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 3000PF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 3000PF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 3000PF, 10%, 50V 54883 C3216X7R1H333K ASC60513 283-5018-00 CAP, FXD, CER DI: 0.0118, 10%, 50V 54883 C3216X7R1H333K ASC60513 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60510 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333K ASC60500 C38-5018-00 CAP, FXD, CER				CAP, FXD, CER DI: 0.033UF, 10%, 50V		
ASC6031 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6100 280-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6100 280-5039-00 CAP, FXD, CER DI: 0.301F, 10%, 50V 54883 C3216X7R1H333X ASC6101 283-5018-00 CAP, FXD, CER DI: 0.31UF, 10%, 25V 0FXD V1206X104X1B01 283-5018-00 CAP, FXD, CER DI: 0.301F, 10%, 50V 54883 C3216X7R1H333X ASC6110 283-5018-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54883 C3216X7R1H333X ASC6130 283-5018-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54883 C3216X7R1H333X ASC6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC6141 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54883 C3216X7R1H333X ASC61610 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10						C3216X7R1H333K
ASC6032 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6043 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.300FF, 10%, 50V 54853 C3216X7R1H332K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.300FF, 10%, 50V 54853 C3216X7R1H332K ASC6111 289-5039-00 CAP, FXD, CER DI: 0.300FF, 10%, 50V 54853 C3216X7R1H332K ASC6111 289-5039-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54853 C3216X7R1H332K ASC6131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC6110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54853 C3216X7R1H333K ASC61170 283-5018-00 CAP, FXD, CER D				CAP, FXD, CER DI: 0.033UF, 10%, 50V		
ASC6040 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6042 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6051 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3218X7R1H333K ASC6101 283-5015-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3218X7R1H332K ASC6102 283-5004-00 CAP, FXD, CER DI: 0.035UF, 10%, 50V 54583 C3218X7R1H332K ASC6110 283-5004-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X104K1B01 C4BC6111 290-5039-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X104K1B01 C4BC6111 290-5039-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X104K1B01 C4BC6111 283-5018-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X105X1BMSTP ASC6130 283-5018-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X105X2BA ASC6140 283-5018-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X105X2BA ASC6140 283-5018-00 CAP, FXD, CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X105X2BA ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC61704 283-5018-00 CAP, FXD, CER DI: 0.033UF, 1				CAP, FXD, CER DI: 0.033UF, 10%, 50V		
ASC6042 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6050 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6051 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6101 283-5015-00 CAP, FXD. CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H332K ASC6101 283-5015-00 CAP, FXD. CER DI: 0.0350PF, 10%, 50V 54583 C3216X7R1H332K ASC6110 283-5004-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K104K1B01 ASC6112 283-5004-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K104K1B01 ASC6112 283-5015-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K104K1B01 ASC6113 283-5015-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K104K1B01 ASC6131 283-5015-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K1076MSTP ASC6130 283-5018-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206K1076XE04 ASC6131 283-5018-00 CAP, FXD. CER DI: 0.10UF, 10%, 25V 0FDX0 W1206X1076XE04 ASC6131 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 0FDX0 W1205X1076XE04 ASC6131 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.035UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD. CER DI: 0.035UF, 10%		283-5018-00				
ASC08043 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08051 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08051 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08051 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08101 283-5015-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08102 283-5015-00 CAP_FXD_CER_DID_0.01F_10%_55V 54583 C3216X7R1H332K ASC08101 283-5015-00 CAP_FXD_CER_DID_0.01F_10%_55V 54583 C3216X7R1H332K ASC08111 280-5039-00 CAP_FXD_CER_DID_0.01F_10%_55V 54583 C3216X7R1H332K ASC08111 280-5039-00 CAP_FXD_CER_DID_0.01F_10%_55V 54583 C3216X7R1H332K ASC08111 283-5105-00 CAP_FXD_CER_DID_0.031UF_10%_55V 54583 C3225X7R1E224K ASC08131 283-5105-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08141 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08142 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC08142 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC0810 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K C3C080 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1H333K ASC0810 283-5018-00 CAP_FXD_CER_DID_0.033UF_10%_50V 54583 C3216X7R1	A5C6041	283-5018-00				
ASC6050 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 299-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6101 283-5015-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6102 283-5004-00 CAP, FXD, CER DI: 0.300PF, 10%, 50V 54583 C3216X7R1H332K ASC6110 283-5015-00 CAP, FXD, CER DI: 0.10H, 10%, 52V 0PDX W1206X104K1B01 ASC6110 283-5015-00 CAP, FXD, CER DI: 0.300PF, 10%, 50V 54583 C3216X7R1H332K ASC6110 283-5015-00 CAP, FXD, CER DI: 0.300PF, 10%, 50V 54583 C3216X7R1H332K ASC6110 283-5015-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 1W344 MYK35VC10RMSTP ASC6130 283-5010-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 0PDX W1206X104K1B01 ASC6110 283-5018-00 CAP, FXD, CER DI: 0.22UF, 10%, 50V 54583 C3225X7R1E224K ASC6131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6190 283-5000 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6190 283-5000 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6190 283-5000 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6190 283-5000 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6190 283-5000-0 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3	A5C6042	283-5018-00				
ASC6010 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 14344 MV435VC10RMSTP ASC6101 283-5015-00 CAP, FXD, CER DI: 300PF, 10%, 50V 14344 MV435VC10RMSTP ASC6101 283-5015-00 CAP, FXD, CER DI: 330PF, 10%, 50V 54583 C3216X7R1H332K ASC6102 283-5004-00 CAP, FXD, CER DI: 330PF, 10%, 50V 54583 C3216X7R1H332K ASC6110 283-5015-00 CAP, FXD, CER DI: 330PF, 10%, 50V 54583 C3216X7R1H332K ASC6111 290-5039-00 CAP, FXD, CER DI: 320PF, 10%, 50V 54583 C3226X7R1H332K ASC6111 293-5039-00 CAP, FXD, CER DI: 320PF, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5105-00 CAP, FXD, CER DI: 0.102F, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5108-00 CAP, FXD, CER DI: 0.202F, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5108-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5009-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5009-00 CAP, FXD, CER DI: 0.005UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5009-00 CAP, FXD, CER DI: 0.005UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5009-00 CAP, FXD, CER DI: 0.005UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5009-00 CAP, FXD, CER DI: 0.005UF, 10%, 50V 54	A5C6043	283-5018-00				
ASC8100 290-5039-00 CAP, FXD, ELECTIT: 10UF, 35V 1W344 MYK35VC10RMSTP ASC8102 283-5004-00 CAP, FXD, CER DI: 3300PF, 10%, 50V 54583 C3218X7R1H332K ASC8102 283-5004-00 CAP, FXD, CER DI: 3300PF, 10%, 50V 54583 C3216X7R1H332K ASC8130 283-5010-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54883 C3216X7R1H332K ASC8130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC8140 C383-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H333K C3C816X7B1H3	A5C6050	283-5018-00				
ASC8101 283-5015-00 CAP, FXD, CER DI: 3900PF, 10%, 50V 54583 C3216X7R1H332K ASC6102 283-5016-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 283-5015-00 CAP, FXD, CER DI: 3900PF, 10%, 50V 54583 C3216X7R1H332K ASC6111 280-5039-00 CAP, FXD, CER DI: 0.2UF, 10%, 25V 1W344 W1X63SVC10RMSTP ASC6130 283-5010-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5105-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5105-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.003UF, 10%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.009F, 5%, 50V 54583 C3216X7R1H333K ASC6100 283-5003-00 CAP, FXD, CER DI: 0.009F, 5%, 50V 54583 C3216X7R1H333K C3C6100 183-5003-00 CAP, FXD, CER DI: 0.009F, 10%, 50V 54583 C3216X7R1H333K C3C6100 183-5003-00 CAP, FXD, CER DI: 0.009F, 10%, 50V 54583 C3216X7R1H333K ASC6101 283-5003-00 CAP, FXD, CER DI: 0.003UF, 10%, 50V 54583 C32	A5C6051	283-5018-00				
ASC6102 283-5010-00 CAP, FXD, CER DI: 01UF, 10%, 25V OFDXO W1206X104K1B01 ASC6110 283-5015-00 CAP, FXD, CER DI: 3300PF, 10%, 50V 54583 C3216X7R1H332K ASC6111 290-5039-00 CAP, FXD, CER DI: 0.032UF, 10%, 25V 1W344 MVK35VC10RM5TP ASC6130 283-5010-00 CAP, FXD, CER DI: 10.022UF, 10%, 25V 54583 C3225X7R1E224K ASC6113 283-5105-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7032 283-5008-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K C3C7032 283-5018-00 CAP, FXD, CER DI: 100FF, 5%, 50V 54583 C3216X7R1H333K C3C7032 283-5018-00 CAP, FXD, CER DI: 100FF, 5%, 50V 54583 C3216X7R1H333K C3C7032 283-5018-00 CAP, FXD, CER DI: 100FF, 5%, 50V	A5C6100	290-5039-00				
ASC6110 283-5015-00 CAP, FXD, CER DI: 3300PF, 10%, 50V 54583 C3216X7R1H332K ASC6111 280-5039-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54583 C3225X7R1E224K ASC6131 283-5016-00 CAP, FXD, CER DI: 10LF, + 80/-20%, 50V 0FDX0 W1825Z105Z2B04 ASC6141 283-5018-00 CAP, FXD, CER DI: 10LF, + 80/-20%, 50V 0FDX0 W1825Z105Z2B04 ASC6141 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6172 283-5018-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100.010 ASC6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K ASC7040 283-5003-00 CAP, FXD, CER DI: 0.031UF, 10%, 50V 54583 C3216X7R1H333K ASC7041 283-5003-00 CAP, FXD, CER DI: 0.031UF, 10%, 50V 54583 C3216X7R1H333K ASC7042 290-5039-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K ASC7042 283-5003-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K ASC7042 290-5039-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K ASC7042 290-5039-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K ASC7042 290-5039-00 CAP, FXD, CER DI: 0.000F, 10%, 50V 54583 C3216X7R1H333K ASC7042 290-5039-00 CAP, FXD, CER DI: 0.000F, 10%, 50V 54583 C3216X7R1H333K ASC7010 283-5002-00 CAP, FXD, CER DI: 0.003UF, 1	A5C6101	283-5015-00		CAP, FXD, CER DI: 3300PF, 10%, 50V		
A5C6111 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MYK3SVC10RM5TP A5C6130 283-5010-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54583 C3225X7R1E224K A5C6131 283-5105-00 CAP, FXD, CER DI: 10F, 80V-20%, 50V 54583 C3216X7R1H333K A5C6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6171 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.000F, 5%, 50V 54583 C3216X7R1H333K A5C7041 283-5003-00 CAP, FXD, CER DI: 0.000F, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.030UF, 10%, 50V	A5C6102	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V		
A5C6130 283-5010-00 CAP, FXD, CER DI: 0.22UF, 10%, 25V 54583 C3216X7R14224K A5C6131 283-5105-00 CAP, FXD, CER DI: 10, 10%, 50V 54583 C3216X7R14333K A5C6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6171 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R14333K A5C7041 283-5003-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R14333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.0090F, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.0090F, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.0090F, 10%, 50V 54583 C3216X7R14333K A5C7042 283-5000-00 CAP, FXD, CER DI: 0.0090F, 10%, 50V 54583 C3216X7R14333K A5C7090 283-5000-00 CAP, FXD, CER DI: 0.0090F, 10%, 50V 54583 C3216X7R14333K A5C7090 283-5000-00 CAP, FXD, CER DI: 0.0030UF, 10%, 5	A5C6110	283-5015-00				
A5C6131 283-5105-00 CAP, FXD, CER DI: 1UF, + 80/-20%, 50V DFDX0 W18252105Z2B04 A5C6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6141 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6171 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7024 283-5050-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 6FDX0 W1206X103XEB04 A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 6FDX0 W1206X103XEB04 A5C7042 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 6FDX0 W1206X103XEB04 A5C7043 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C7081 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C321	A5C6111	290-5039-00				
A5C6140 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6150 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6171 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 293-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 293-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 293-5003-00 CAP, FXD, CER DI: 600PF, 5%, 50V 54583 C3216X7R1H333K A5C7040 283-5018-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5018-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5018-00 CAP, FXD, CER DI: 0.01UF, 15% 10% 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.01UF, 15% 10% 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7091 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7091 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7101 283-5004-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54	A5C6130	283-5010-00		CAP, FXD, CER DI: 0.22UF, 10%, 25V		
A5C6141 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6171 283-500-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 C1206COG100J10 A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5003-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5003-00 CAP, FXD, CER DI: 0.06080F, 5%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.06080F, 5%, 50V 54583 C3216X7R1H333K A5C7041 283-5018-00 CAP, FXD, CER DI: 0.06080F, 5%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.06080F, 5%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.06080F, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.06080F, 10%, 50V 54583 C3216X7R1H333K A5C7042 283-5000-00 CAP, FXD, CER DI: 100PF, 5%, 50V 54583 C3216X7R1H333K A5C7042 283-5000-00 CAP, FXD, CER DI: 100PF, 5%, 50V 54583 C3216X7R1H333K A5C7092 283-5018-00 CAP, FXD, CER DI: 100PF, 10%, 50V 54583 C3216X7R1H333K A5C7092 283-5018-00 CAP, FXD, CER DI: 100PF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.019F, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C	A5C6131	283-5105-00				
A5C6150 283-5018-00	A5C6140	283-5018-00				
A5C6170 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C6172 283-5018-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5050-00 CAP, FXD, CER DI: 560PF, 5%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 560PF, 5%, 50V 54583 C3216COG1H561J A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5000-00 CAP, FXD, CER DI: 0.010F, 5%, 50V 54583 C3216X7R1H333K A5C70701 283-5000-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 54583 C3216X7R1H333K A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7090 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7091 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R	A5C6141	283-5018-00				
A5C6171 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C6160 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5050-00 CAP, FXD, CER DI: 0.031UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5003-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216COG1H561J A5C7041 283-5018-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5018-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7070 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7081 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7081 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7081 283-5002-00 CAP, FXD, CER DI: 100PF, 10%, 50V 54583 C3216X7R1H333K A5C7091 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7092 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7091 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 280-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 280-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50	A5C6150					
A5C6172 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5050-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.010F, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.010F, 10%, 50V 54583 C3216X7R1H333K A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 10.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7042 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7090 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7090 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5000-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.1UF, 10%, 55V 54583 C3216X7R1H333K A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X						
A5C6180 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7030 283-5050-00 CAP, FXD, CER DI: 0.019, 50V 54583 C3216X7R1H333K A5C7030 283-5003-00 CAP, FXD, CER DI: 0.019, 10%, 50V 54583 C3216X7R1H333K A5C7042 280-5039-00 CAP, FXD, CER DI: 0.019, 10%, 50V 54583 C3216X7R1H333K A5C7042 280-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 280-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 54583 C3216X7R1H333K A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5002-00 CAP, FXD, CER DI: 0.0976, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.0976, 10%, 50V 04222 CC1206COG100J10 A5C7091 280-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 04222 CC1206COG100J10 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 04222 CC1206COG100J10 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 04222 CC1206COG100J10 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.0033UF, 10%, 50V 54583 C3216X7R1H333K C3216X7R1H333K CAP, FXD, CER DI: 0.0033UF, 10%, 50V 54583 C3216X7R1H333K C3216X7R1H333K C3216X7R1H333K C3216X7R1H333K C3216X7R1H333K C321	_					
A5C7020 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7021 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7040 283-5003-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 0FDX0 W1206X103K2B04 A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216COG1H561J A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 100PF, 10%, 50V 04222 CC1206COG100J10 A5C7081 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7091 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7091 283-5002-00 CAP, FXD, CER DI: 100PF, 10%, 50V 54583 C3216X7R1H333K A5C7091 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7091 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7091 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG104K1B01 CAP, FXD, CER DI: 0.033UF, 10%, 50V						
ASC7021 290-5039-00						
A5C7022 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216COG1H561J A5C7040 283-5003-00 CAP, FXD, CER DI: 560PF, 5%, 50V 54583 C3216COG1H561J A5C7041 283-5018-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 0FDX0 W1206X103K2B04 A5C7042 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 1W344 MVK35VC10RM5TP A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7090 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7091 290-5039-00 CAP, FXD, CER DI: 0.000PF, 10%, 50V 04222 1206A102KAT050 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7030 283-5050-00 CAP, FXD, CER DI: 560PF, 5%, 50V						
A5C7040 283-5003-00 CAP, FXD, CER DI: 0.01UF, 10%, 50V 54583 C3216X7R1H333K A5C7042 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 100PF, 10%, 50V 04222 CC1206COG100J10 A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 100PF, 10%, 50V 04222 CC1206COG100J10 A5C7090 283-5002-00 CAP, FXD, CER DI: 100PF, 10%, 50V 04222 CC1206COG100J10 A5C7090 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 CC1206COG100J10 A5C7091 290-5039-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 CC1206COG100J10 A5C7091 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7002 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7101 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 CC1206COG100J10 A5C7111 A5C7						
A5C7041 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 1W344 MVK35VC10RM5TP A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7081 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 CC1206COG100J10 A5C7090 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, CER DI: 0.0039UF, 10%, 50V 04222 1206A102KAT050 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7100 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 0FDX0 W1206X104K1B01 A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7042 290-5039-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 1206A102KAT050 A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 1206A102KAT050 A5C7090 283-5002-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7091 290-5039-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7070 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7071 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 1000PF, 1000PF, 10%, 50V 1000PF, 1000PF, 10%, 50V 1000PF, 1000PF, 10%, 50V 1000PF, 1000PF, 10%, 50V 1000PF, 1000PF, 1000PF, 10%, 50V 1000PF, 1000PF, 1000PF, 1000PF, 1000PF, 10%, 50V 1000PF, 1						
A5C7071 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 1W344 MVK35VC10RM5TP A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K CAP, FXD						
A5C7080 283-5000-00 CAP, FXD, CER DI: 10PF, 5%, 50V 04222 CC1206COG100J10 A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7090 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7081 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 04222 1206A102KAT050 A5C7090 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7090 283-5002-00 CAP, FXD, CER DI: 1000PF, 10%, 50V 04222 1206A102KAT050 A5C7091 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7091 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7092 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						MVK35VC10RM5TP
A5C7100 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7101 283-5004-00 CAP, FXD, CER DI: 0.1UF, 10%, 25V 0FDX0 W1206X104K1B01 A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 1W344 MVK35VC10RM5TP A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7102 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 1W344 MVK35VC10RM5TP A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7110 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7111 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7112 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7112 290-5039-00 CAP, FXD, ELECTLT: 10UF, 35V 1W344 MVK35VC10RM5TP A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K						
A5C7130 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K AV(COVICE PROPERTY)						
A5C7131 283-5018-00 CAP, FXD, CER DI: 0.033UF, 10%, 50V 54583 C3216X7R1H333K			•		54583	
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1,001,000 E00,000 00 TILLIAN TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TOTAL TO THE TOTAL TOTAL TOTAL TOTAL TO THE TOTAL T	A5C7150	290-5039-00		CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A5C7151	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C7170	290-5039-00		CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C7171	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C7190	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	0FDX0	W1206X104K1B01
A5C8020	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8030	283-5050-00		CAP, FXD, CER DI: 560PF, 5%, 50V	54583	C3216COG1H561J
A5C8031	283-5003-00		CAP, FXD, CER DI: 0.01UF, 10%, 50V	0FDX0	W1206X103K2B04
A5C8032	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V CAP, FXD, ELECTLT: 10UF, 35V	54583 1 W344	C3216X7R1H333K
A5C8033 A5C8040	290-5039-00 283-5042-00		CAP, FXD, ELECTET 100F, 35V CAP, FXD, CER DI: 27PF, 5%, 50V	29454	MVK35VC10RM5TP
A5C8040 A5C8041	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	101R18N270JW4-T C3216X7R1H333K
A5C8041	290-5039-00		CAP, FXD, CER DI. 0.0330F, 10 %, 50 V	1W344	MVK35VC10RM5TP
A5C8043	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8050	283-5025-00		CAP, FXD, CER DI: 220PF, 5%, 50V	54583	C3216COG1H221J
A5C8080	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8090	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8100	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8110	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8120	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8160	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C8180	290-5039-00		CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C8190	290-5039-00		CAP, FXD, ELECTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A5C9070	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C9080	283-5002-00		CAP, FXD, CER DI: 1000PF, 10%, 50V	04222	1206A102KAT050
A5C9090	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C9100	283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583	C3216X7R1H333K
A5C9110 A5C9120	283-5018-00 283-5018-00		CAP, FXD, CER DI: 0.033UF, 10%, 50V CAP, FXD, CER DI: 0.033UF, 10%, 50V	54583 54583	C3216X7R1H333K
A5C9120 A5CR4170	152-5018-00		DIODE, SIG:, ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	C3216X7R1H333K FDSO1203.SA
A5CR5020	152-5018-00		DIODE, SIG:, ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	FDSO1203.SA
A5CR5170	152-5018-00		DIODE, SIG:, ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	FDSO1203.SA
A5CR7020	152-5018-00		DIODE, SIG., ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	FDSO1203.SA
A5CR8040	152-5018-00		DIODE, SIG., ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	FDSO1203.SA
A5CR8120	152-5018-00		DIODE, SIG., ULTRA FAST; 100V, 0.74VF, 4NS, 2.0PF	27014	FDSO1203.SA
A5J1011	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, 0.030 H, 0.054	22526	75060-012
A5J1180	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, 0.030 H, 0.054	22526	75060-012
A5J5140	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, 0.030 H, 0.054	22526	75060-012
A5J5190	131-1857-00		TERM SET, PIN: HDR, PCB, MALE, STR, 1 X 36, 0.1 CTR	58050	082-3644-SS10
A5J9010	136-0252-07		SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H, 0.054	22526	75060-012
A5JG1011	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A5JG1180	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A5JG5140	131-1003-00		CONN, RCPT, ELEC: CKT BD MT, 3 PRONG	80009	131-1003-00
A5JG9010 A5K2180	131-1003-00 148-0198-00	•	CONN, RCPT, ELEC: CKT BD MT, 3 PRONG RELAY, REED: DPDT, 98 OHMS, 6V	80009 11532	131-1003-00 712-6
A5K3180	148-0198-00		RELAY, REED: DPDT, 98 OHMS, 6V	11532	712-6
A5L2080	108-5013-00		COIL, RF: FXD, 40NH, + /-10%, Q= 35, SRF 900 MHZ	02113	1008CT-400XK2A
A5L2130	108-5030-00		COIL, RF: FXD, 100NH, + /-10%, Q= 25, SRF 950 MHZ	02113	1008CS-101XK2A
A5L2131	108-5073-00		COIL, RF: FXD, 8NH, + /-10%, Q =50, SRF 900 MHZ	02113	1008CT-080XK2A
A5L2140	108-5030-00		COIL, RF: FXD, 100NH, + /-10%, Q= 25, SRF 950 MHZ	02113	1008CS-101XK2A
A5L2150	108-5083-00		COIL, RF: FXD, 0.018UH, 20%, Q =21, SRF 190 MHZ	80009	108-5083-00
A5L2151	108-5097-00		COIL, RF: FXD, 56NH, 10%, SMD	02113	1008CS-560-XK2
A5L2160	108-5030-00		COIL, RF: FXD, 100NH, + /-10%, Q= 25, SRF 950 MHZ	02113	1008CS-101XK2A
A5L2161	108-5013-00		COIL, RF: FXD, 40NH, + /-10%, Q= 35, SRF 900 MHZ	02113	1008CT-400XK2A
A5L2170	108-5058-00		COIL, RF: FXD, 680UH, + /-10%, Q =30, SRF 3.0	54583	NL453232T-681K
A5L3090	108-5013-00		COIL, RF: FXD, 40NH, + /-10%, Q= 35, SRF 900 MHZ	02113	1008CT-400XK2A
A5L3130	108-5028-00		COIL, RF: FXD, 30NH, + /-5%, Q =35, SRF 900 MHZ	02113	1008CT-300XJ2A
A5L3131	108-5073-00		COIL, RF: FXD, 8NH, + /-10%, Q =50, SRF 900 MHZ	02113	1008CT-080XK2A
A5L3140	108-5083-00		COIL, RF: FXD, 0.018UH, 20%, Q =21, SRF 190 MHZ	02113	1008CT-080XK2A
A5L3141	108-5073-00		COIL, RF: FXD, 8NH, + /-10%, Q =50, SRF 900 MHZ COIL, RF: FXD, 8NH, + /-10%, Q =50, SRF 900 MHZ	02113	1008CT-080XK2A
A5L3150 A5L3151	108-5073-00		COIL, RF: FXD, 8NH, + /-10%, Q =50, SRF 900 MHZ	02113 02113	1008CT-080XK2A
A5L3170	108-5073-00 108-5020-00		COIL, RF. FXD, 3NH, + /-10%, Q = 50, 3RF 900 MHZ COIL, RF. FXD, 270NH, + /-5%, Q= 28, SRF 550 MHZ	02113	1008CT-080XK2A 1008CS-271XJ2A
A5L3170	108-5073-00		COIL, RF: FXD, 8NH, + /-10%, Q = 50, SRF 900 MHZ	02113	1008CT-080XK2A
A5L4040	108-5013-00		COIL, RF: FXD, 40NH, + /-10%, Q= 35, SRF 900 MHZ	02113	1008CT-400XK2A
A5L4041	108-5013-00		COIL, RF: FXD, 40NH, + /-10%, Q= 35, SRF 900 MHZ	02113	1008CT-400XK2A
A5L4042	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L4050	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A5L4051	108-5020-00		COIL, RF: FXD, 270NH, + /-5%, Q= 28, SRF 550 MHZ	02113	1008CS-271XJ2A
A5L4100	108-5083-00		COIL, RF: FXD, 0.018UH, 20%, Q =21, SRF 190 MHZ	80009	108-5083-00
A5L4120	108-5083-00		COIL, RF: FXD, 0.018UH, 20%, Q =21, SRF 190 MHZ	80009	108-5083-00
A5L5010	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L6150	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L7030	108-5084-00	•	COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L7170	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L8020	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5L8170 A5L8190	108-5084-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5P5100	108-5084-00 131-4822-00		COIL, RF: FERRITE CHIP BEAD, 0.087 RDC 400 MA	45835	HF70ACB322513T
A5Q1150	151-5000-00		CONN, RCPT, ELEC: BOX, PCB, FEMALE, RTANG, 2 X 20 TRANSISTOR, SIG: BIPOLAR, PNP; 40V, 200MA, 250MHZ	00779	1-102585-2
A5Q2130	151-5000-00		TRANSISTOR, SIG: BIPOLAR, PNP; 40V, 200MA, 250MHZ	04713 04713	MMBT3906LT1
A5Q2160	151-5000-00		TRANSISTOR, SIG: BIPOLAR, PNP; 40V, 200MA, 250MHZ	04713	MMBT3906LT1
A5Q3130	151-5010-00		TRANSISTOR, SIG: BIPOLAR, NPN; 12V, 200MA, 6.5 GHZ	62104	MMBT3906LT1 NE85634T2
A5Q3140	151-5010-00		TRANSISTOR, SIG: BIPOLAR, NPN; 12V, 200MA, 6.5 GHZ	62104	NE85634T2
A5Q3160	151-5010-00		TRANSISTOR, SIG: BIPOLAR, NPN; 12V, 200MA, 6.5 GHZ	62104	NE85634T2
A5Q3161	151-5010-00		TRANSISTOR, SIG: BIPOLAR, NPN; 12V, 200MA, 6.5 GHZ	62104	NE85634T2
A5Q4170	151-5001-00		TRANSISTOR, SIG: BIPOLAR, NPN; 40V, 200MA, 300MHZ	04713	MMBT3904T1/T2
A5Q4171	151-5000-00		TRANSISTOR, SIG: BIPOLAR, PNP: 40V, 200MA, 250MHZ	04713	MMBT3906LT1
A5Q5180	151-5002-00		TRANSISTOR, SIG: JFET, N-CHANNEL	04713	MMBF4392LT1
A5Q6180	151-5001-00		TRANSISTOR, SIG: BIPOLAR, NPN; 40V, 200MA, 300MHZ	04713	MMBT3904T1/T2
A5Q7180	151-5001-00		TRANSISTOR, SIG: BIPOLAR, NPN; 40V, 200MA, 300MHZ	04713	MMBT3904T1/T2
A5Q7190	151-5045-00	•	TRANSISTOR, PWR: MOS, P-CH; 50V, 4A, 0.6 OHM	04713	MTD4P05RL
A5R1070 A5R1080	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R1081	321-5016-00 321-5016-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W	91637	CRCW12066810FT
A5R1082	321-5016-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W	91637	CRCW12066810FT
A5R1100	321-5008-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W RES, FXD, FILM: 150 OHM, 1%, 0.125W	91637	CRCW12066810FT
A5R1120	321-5032-00		RES, FXD, FILM: 15.0K, 1%, 0.125W	91637 91637	CRCW12061500FT
A5R1130	321-5006-00		RES, FXD, FILM: 100 OHM, 1%, 0.125W	91637	CRCW12061502FT
A5R1131	321-5044-00		RES, FXD, FILM: 56.2 OHM, 1%, 0.125W	91637	CRCW12061000FT CRCW120656R2FT
A5R1132	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120630R2F1
A5R1140	321-5006-00		RES, FXD, FILM: 100 OHM, 1%, 0.125W	91637	CRCW12061000FT
A5R1150	321-5002-00		RES, FXD, FILM: 15 OHM, 1%, 0.125W	91637	CRCW120615R0FT
A5R1151	321-5027-00		RES, FXD, FILM: 5.62K, 1%, 0.125W	91637	CRCW12065621FT
A5R1152	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R1160	321-5002-00		RES, FXD, FILM: 15 OHM, 1%, 0.125W	91637	CRCW120615R0FT
A5R1161 A5R1162	321-5000-00 321-5005-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R1163	321-5000-00	•	RES, FXD, FILM: 27.4 OHM, 1%, 0.125W	91637	CRCW120627R4FT
A5R1170	321-5007-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W RES, FXD, FILM: 121 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R1171	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12061210FT
A5R2020	321-5015-00		RES, FXD, FILM: 473 OHM, 1%, 0.125W	91637 91637	CRCW12064750FT
A5R2030	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT CRCW12065620FT
A5R2031	321-5046-00		RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R2032	321-5017-00		RES, FXD, FILM: 825 OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R2033	321-5017-00		RES, FXD, FILM: 825 OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R2034	321-5046-00		RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R2040	321-5017-00		RES, FXD, FILM: 825 OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R2041	321-5046-00		RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R2042	321-5019-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W	91637	CRCW12061211FT
A5R2050 A5R2051	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R2052	321-5012-00 321-5004-00		RES, FXD, FILM: 332 OHM, 1%, 0.125W	91637	CRCW12063320FT
A5R2080	321-5004-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R2081	321-5045-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2082	321-5045-00		RES, FXD, FILM: 68.1 OHM, 1%, 0.125W RES, FXD, FILM: 68.1 OHM, 1%, 0.125W	91637	CRCW120668R1FT
A5R2090	321-5016-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W	91637 91637	CRCW120668R1FT
A5R2091	321-5016-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W	91637	CRCW12066810FT
A5R2092	321-5016-00		RES, FXD, FILM: 681 OHM, 1%, 0.125W	91637	CRCW12066810FT CRCW12066810FT
A5R2100	321-5006-00		RES, FXD, FILM: 100 OHM, 1%, 0.125W	91637	CRCW1206610FT
A5R2101	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2102	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2103	321-5003-00		RES, FXD, FILM: 18.2 OHM, 1%, 0.125W	91637	CRCW120618R2FT
A5R2110	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2111	321-5003-00		RES, FXD, FILM: 18.2 OHM, 1%, 0.125W	91637	CRCW120618R2FT

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Componen Number	Part Number	Serial No. Effective D	Oscont	Name & Description	Mfr. Code	Mfr.Part No.
A5R2113 A5R2120	321-5011-00			RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2121	321-5036-00 321-5027-00			RES, FXD, FILM: 33.2K OHM, 1%, 0.125W	91637	CRCW12063322FT
A5R2130	321-5002-00			RES, FXD, FILM: 5.62K, 1%, 0.125W RES, FXD, FILM: 15 OHM, 1%, 0.125W	91637	CRCW12065621FT
A5R2131	321-5000-00			RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120615R0FT
A5R2132	321-5018-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637 91637	CRCW120610R0FT
A5R2140	321-5044-00			RES, FXD, FILM: 56.2 OHM, 1%, 0.125W	91637	CRCW12061001FT CRCW120656R2FT
A5R2141	321-5018-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R2142	321-5011-00			RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R2150	321-5036-00			RES, FXD, FILM: 33.2K OHM, 1%, 0.125W	91637	CRCW12063322FT
A5R2152	321-5007-00			RES, FXD, FILM: 121 OHM, 1%, 0.125W	91637	CRCW12061210FT
A5R2153 A5R2160	321-5032-00 321-5006-00			RES, FXD, FILM: 15.0K, 1%, 0.125W	91637	CRCW12061502FT
A5R2161	321-5018-00			RES, FXD, FILM: 100 OHM, 1%, 0.125W	91637	CRCW12061000FT
A5R2162	321-5009-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W RES, FXD, FILM: 182 OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R2163	321-5028-00			RES, FXD, FILM: 6.81K OHM, 1%, 0.125W	91637	CRCW12061820FT
A5R2164	321-5033-00			RES, FXD, FILM: 18.2K OHM, 1%, 0.125W	91637 91637	CRCW12066811FT
A5R2170	321-5018-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061822FT CRCW12061001FT
A5R2171	321-5009-00			RES, FXD, FILM: 182 OHM, 1%, 0.125W	91637	CRCW12061820FT
A5R2172	321-5029-00			RES, FXD, FILM: 8.25K OHM, 1%, 0.125W	91637	CRCW12068251FT
A5R2173	321-5009-00			RES, FXD, FILM: 182 OHM, 1%, 0.125W	91637	CRCW12061820FT
A5R2174	321-5007-00			RES, FXD, FILM: 121 OHM, 1%, 0.125W	91637	CRCW12061210FT
A5R2175	321-5014-00	•		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R2176 A5R2177	321-5046-00 321-5014-00			RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R3020	321-5014-00			RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R3021	321-5015-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R3030	321-5036-00			RES, FXD, FILM: 562 OHM, 1%, 0.125W RES, FXD, FILM: 33.2K OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R3031	321-5015-00			RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12063322FT
A5R3032	321-5038-00			RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637 91637	CRCW12065620FT CRCW12064752FT
A5R3033	321-5017-00			RES, FXD, FILM: 825 OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R3034	321-5046-00			RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R3040	321-5004-00			RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R3041	321-5004-00			RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R3050 A5R3070	321-5011-00 321-5043-00			RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R3071	321-5008-00			RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R3072	321-5000-00			RES, FXD, FILM: 150 OHM, 1%, 0.125W RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW12061500FT
A5R3073	321-5043-00			RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637 91637	CRCW120610R0FT
A5R3074	321-5001-00			RES, FXD, FILM: 12.1 OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R3081	321-5043-00			RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120612R1FT CRCW120647R5FT
A5R3090	321-5008-00			RES, FXD, FILM: 150 OHM, 1%, 0.125W	91637	CRCW12061500FT
A5R3091	321-5042-00			RES, FXD, FILM: 39.2 OHM, 1%, 0.125W	91637	CRCW120639R2FT
A5R3092 A5R3130	321-5008-00			RES, FXD, FILM: 150 OHM, 1%, 0.125W	91637	CRCW12061500FT
A5R3131	321-5007-00 321-5011-00			RES, FXD, FILM: 121 OHM, 1%, 0.125W	91637	CRCW12061210FT
A5R3140	321-5000-00			RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R3160	321-5004-00			RES, FXD, FILM: 10 OHM, 1%, 0.125W RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R3161	321-5004-00			RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R3170	321-5029-00			RES, FXD, FILM: 8.25K OHM, 1%, 0.125W	91637 91637	CRCW120622R1FT CRCW12068251FT
A5R3171	321-5009-00			RES, FXD, FILM: 182 OHM, 1%, 0.125W	91637	CRCW12060251F1
A5R3172	321-5012-00			RES, FXD, FILM: 332 OHM, 1%, 0.125W	91637	CRCW12063320FT
A5R3173	321-5050-00			RES, FXD, FILM: 33.2K OHM, 1%, 0.125W	91637	CRCW120633R2FT
A5R4020	321-5015-00			RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R4030 A5R4031	321-5018-00			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R4080	321-5043-00			RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R4081	321-5043-00 321-5046-00			RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R4082	321-5000-00			RES, FXD, FILM: 82.5 OHM, 1%, 0.125W	91637	CRCW120682R5FT
A5R4083	321-5000-00			RES, FXD, FILM: 10 OHM, 1%, 0.125W RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R4090	321-5011-00		İ	RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637 91637	CRCW120610R0FT
A5R4091	321-5003-00	•	i	RES, FXD, FILM: 18.2 OHM, 1%, 0.125W	91637 91637	CRCW12062740FT
A5R4092	321-5011-00		Ī	RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW120618R2FT CRCW12062740FT
A5R4100	321-5000-00		l	RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R4101	321-5000-00			RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R4120 A5R4121	321-5004-00			RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
73117121	321-5004-00	J		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT

ASPAR122   321-5004-00   RES, PKD, PLIM: 22.1 OHAI, 1%, 0.125W   91637   CRCW120022281FT   ASPAR124   321-5004-00   RES, PKD, PLIM: 22.1 OHAI, 1%, 0.125W   91637   CRCW120022281FT   ASPAR124   321-5004-00   RES, PKD, PLIM: 22.1 OHAI, 1%, 0.125W   91637   CRCW12002281FT   GRCW12002281FT   GRCW1200281FT   GRCW120028	Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A55H4123 321-5004-00 RES, FXD, FILM: 22.1 OHM, 1%, 0.125W 91637 CRCW120622F1FT A55H4125 321-5004-00 RES, FXD, FILM: 22.1 OHM, 1%, 0.125W 91637 CRCW120622F1FT A55H4125 321-5004-00 RES, FXD, FILM: 22.1 OHM, 1%, 0.125W 91637 CRCW120622F1FT A55H4171 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12064752FT A55H4171 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12064752FT A55H4173 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12064752FT A55H4173 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12064762FT A55H4173 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206592FT A55H4173 321-5038-00 RES, FXD, FILM: 180 S20 OHM, 1%, 0.125W 91637 CRCW1206592FT A55H4173 321-5038-00 RES, FXD, FILM: 180 S20 OHM, 1%, 0.125W 91637 CRCW1206592FT A55H4173 321-5038-00 RES, FXD, FILM: 180 S20 OHM, 1%, 0.125W 91637 CRCW1205692FT A55H4173 321-5038-00 RES, FXD, FILM: 180 S20 OHM, 1%, 0.125W 91637 CRCW1205692FT A55H4173 321-5038-00 RES, FXD, FILM: 180 S20 OHM, 1%, 0.125W 91637 CRCW1205692FT A55H4173 321-5038-00 RES, FXD, FILM: 475K OHM, 1%, 0.125W 91637 CRCW1205612FT A55H4181 321-5038-00 RES, FXD, FILM: 475K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5038-00 RES, FXD, FILM: 475K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5038-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H4181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H5181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206475ET A55H5181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206676FT A55H5181 321-5039-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206676FT A	A5R4122	321-5004-00		RES. FXD. FILM; 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
ASPH1242         321-5000-400         RES, FXD, FILM: 221 OHM, 1%, 0.125W         91637         CRCW1200622H1FT           ASPH1460         321-5000-00         RES, FXD, FILM: 100 OHM, 1%, 0.125W         91637         CRCW1200622H1FT           ASPH14160         321-5000-00         RES, FXD, FILM: 100 OHM, 1%, 0.125W         91637         CRCW1200420F2FT           ASPH1717         321-5003-00         RES, FXD, FILM: 476K OHM, 1%, 0.125W         91637         CRCW12004702FT           ASPH1717         321-5003-00         RES, FXD, FILM: 476K OHM, 1%, 0.125W         91637         CRCW12004702FT           ASPH1713         321-5003-00         RES, FXD, FILM: 476K OHM, 1%, 0.125W         91637         CRCW1200602FT           ASPH1714         321-5003-00         RES, FXD, FILM: 881K OHM, 1%, 0.125W         91637         CRCW1200602FT           ASPH176         321-5003-00         RES, FXD, FILM: MEG, 1%, 0.125W         91637         CRCW1200502FT           ASPH176         321-5003-00         RES, FXD, FILM: 121K OHM, 1%, 0.125W         91637         CRCW1200502FT           ASPH177         321-5003-00         RES, FXD, FILM: 121K OHM, 1%, 0.125W         91637         CRCW1200502FT           ASPH178         321-5003-00         RES, FXD, FILM: 121K OHM, 1%, 0.125W         91637         CRCW12004026TE           ASPH188         <					91637	CRCW120622R1FT
ASPA125 221-5000-00 RES, FXD, FILM: 22.1 OHM, 1%, 0.125W 91837 CRCW1206100FT ASPA1770 321-5038-00 RES, FXD, FILM: 100 CHM, 1%, 0.125W 91837 CRCW1206100FT ASPA1770 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064782FT ASPA1712 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064782FT ASPA1712 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW12064782FT ASPA1712 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW12064782FT ASPA173 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW1206302FT ASPA173 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW1206302FT ASPA173 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW1206502FT ASPA174 321-5038-00 RES, FXD, FILM: 100 KO HM, 1%, 0.125W 91837 CRCW1206502FT ASPA174 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW1206502FT ASPA1810 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064781FT ASPA1810 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064781FT ASPA1810 321-5038-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064781FT ASPA1810 321-5034-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064781FT ASPA1810 321-5034-00 RES, FXD, FILM: 47.8K OHM, 1%, 0.125W 91837 CRCW12064732FT ASPA1810 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW12064732FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW12064632FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 321-5034-00 RES, FXD, FILM: 60K OHM, 1%, 0.125W 91837 CRCW1206362FT ASPA1910 3					91637	CRCW120622R1FT
A5694160 321-5008-00 RES, FXD, FILM: 100 CHM, 1 %, 0.125W 91837 CRCW1208100FT A5694171 321-5008-00 RES, FXD, FILM: 47.8K CHM, 1 %, 0.125W 91837 CRCW12084732FT A5694171 321-5008-00 RES, FXD, FILM: 47.8K CHM, 1 %, 0.125W 91837 CRCW12084732FT A5694171 321-5008-00 RES, FXD, FILM: 47.8K CHM, 1 %, 0.125W 91837 CRCW12086912FT A5694171 321-5008-00 RES, FXD, FILM: 1 MEG, 1 %, 0.125W 91837 CRCW12086912FT A5694176 321-5008-00 RES, FXD, FILM: 1 MEG, 1 %, 0.125W 91837 CRCW12086912FT A5694176 321-5008-00 RES, FXD, FILM: 1 MEG, 1 %, 0.125W 91837 CRCW12086102FT A5694176 321-5008-00 RES, FXD, FILM: 1 MEG, 1 %, 0.125W 91837 CRCW12086102FT A5694176 321-5008-00 RES, FXD, FILM: 1 21K OHM, 1 %, 0.125W 91837 CRCW12086102FT A5694176 321-5008-00 RES, FXD, FILM: 4 7.8K OHM, 1 %, 0.125W 91837 CRCW1208473FT A5694178 321-5002-00 RES, FXD, FILM: 4 7.8K OHM, 1 %, 0.125W 91837 CRCW1208473FT A5694178 321-5002-00 RES, FXD, FILM: 4 7.8K OHM, 1 %, 0.125W 91837 CRCW1208473FT A569418 321-5002-00 RES, FXD, FILM: 4 7.8K OHM, 1 %, 0.125W 91837 CRCW1208473FT A569418 321-5002-00 RES, FXD, FILM: 5 62K, 1 %, 0.125W 91837 CRCW1208473FT A569408 321-5003-00 RES, FXD, FILM: 5 62K, 1 %, 0.125W 91837 CRCW1208473FT A569409 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW1208473ET A569409 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW1208602FT A569409 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW1208602FT A569409 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW1208602FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW1208602FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120862FT A569509 321-5003-00 RES, FXD, FILM: 1 62K, 1 %, 0.125W 91837 CRCW120						CRCW120622R1FT
ASPAR170 321-5038-00 RES, FXD, FILM: 47,55 OHM, 1%, 0.125W 91637 CRCW12064732FT ASPAR172 321-5030-00 RES, FXD, FILM: 47,55 OHM, 1%, 0.125W 91637 CRCW12064732FT ASPAR172 321-5030-00 RES, FXD, FILM: 91,00 OHM, 1%, 0.125W 91637 CRCW12061032FT ASPAR173 321-5013-00 RES, FXD, FILM: 91,00 OHM, 1%, 0.125W 91637 CRCW12061032FT ASPAR174 321-5013-00 RES, FXD, FILM: 91,00 OHM, 1%, 0.125W 91637 CRCW12061032FT ASPAR174 321-5013-00 RES, FXD, FILM: 91,00 OHM, 1%, 0.125W 91637 CRCW12061032FT ASPAR177 321-5031-00 RES, FXD, FILM: 528C, 148, 0.125W 91637 CRCW12061032FT ASPAR177 321-5031-00 RES, FXD, FILM: 47,65 OHM, 1%, 0.125W 91637 CRCW12061032FT ASPAR180 321-5038-00 RES, FXD, FILM: 10,10 OHM, 1%, 0.125W 91637 CRCW1206475ET ASPAR180 321-5034-00 RES, FXD, FILM: 10,10 OHM, 1%, 0.125W 91637 CRCW1206475ET ASPAR180 321-5034-00 RES, FXD, FILM: 10,00 OHM, 1%, 0.125W 91637 CRCW1206475ET ASPAR1812 321-5037-00 RES, FXD, FILM: 10,00 OHM, 1%, 0.125W 91637 CRCW1206475ET ASPAR1812 321-5034-00 RES, FXD, FILM: 10,00 OHM, 1%, 0.125W 91637 CRCW1206103ET ASPAR1813 321-5038-00 RES, FXD, FILM: 10,00 OHM, 1%, 0.125W 91637 CRCW1206103ET ASPAR1813 321-5038-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206103ET ASPAR1813 321-5038-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206103ET ASPAR1813 321-5038-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206103ET ASPAR1813 321-5038-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5031-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5031-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5031-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5031-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5031-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 321-5030-00 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303ET ASPAR3070 RES, FXD, FILM: 50,00 OHM, 1%, 0.125W 91637 CRCW1206303						
ASPAH171   321-5038-00   RES, FXD, FILM: 10,80 CHM, 1%, 0.125W   91637   CRCW12061002FT   ASPAH173   321-5030-00   RES, FXD, FILM: 10,80 CHM, 1%, 0.125W   91637   CRCW12061002FT   ASPAH174   321-5013-00   RES, FXD, FILM: 18,11 CHM, 1%, 0.125W   91637   CRCW1206302FT   ASPAH175   321-5030-00   RES, FXD, FILM: 18,11 CHM, 1%, 0.125W   91637   CRCW12083020FT   ASPAH176   321-5032-00   RES, FXD, FILM: 11,11 CHM, 1%, 0.125W   91637   CRCW12083020FT   ASPAH177   321-5032-00   RES, FXD, FILM: 11,11 CHM, 1%, 0.125W   91637   CRCW12083020FT   ASPAH178   321-5032-00   RES, FXD, FILM: 14,11 CHM, 1%, 0.125W   91637   CRCW120831212FT   ASPAH181   321-5047-00   RES, FXD, FILM: 47,11 CHM, 1%, 0.125W   91637   CRCW1208131212FT   ASPAH181   321-5047-00   RES, FXD, FILM: 47,11 CHM, 1%, 0.125W   91637   CRCW1208103FT   ASPAH181   321-5047-00   RES, FXD, FILM: 10,11 CHM, 1%, 0.125W   91637   CRCW1208103FT   ASPAH181   321-5047-00   RES, FXD, FILM: 10,11 CHM, 1%, 0.125W   91637   CRCW1208103FT   ASPAH181   321-5047-00   RES, FXD, FILM: 10,11 CHM, 1%, 0.125W   91637   CRCW12081003FT   ASPAH182   321-5048-00   RES, FXD, FILM: 502C, 1%, 0.125W   91637   CRCW12081003FT   ASPAH183   321-5048-00   RES, FXD, FILM: 502C, 1%, 0.125W   91637   CRCW12083025FT   ASPAH180   321-5048-00   RES, FXD, FILM: 502C, 1%, 0.125W   91637   CRCW12083025FT   ASPAH180   321-5016-00   RES, FXD, FILM: 502C, 1%, 0.125W   91637   CRCW12083025FT   CRCW12083025F					91637	CRCW12064752FT
ASPAH172 221-5000-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206102FT ASPAH174 221-5013-00 RES, FXD, FILM: 98.0C OHM, 1%, 0.125W 91637 CRCW1206322PT ASPAH174 321-5027-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206320PT ASPAH176 321-5027-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206320PT ASPAH178 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206320PT ASPAH178 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206320PT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12064782PT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12064782PT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12064782PT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12064782PT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12061003FT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12061003FT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW12061003FT ASPAH181 321-5037-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5011-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5010-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH303 321-5010-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH313 321-5015-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH313 321-5015-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH313 321-5015-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH313 321-5015-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH313 321-5015-00 RES, FXD, FILM: 18.0E, 1%, 0.125W 91637 CRCW1206322PT ASPAH3						
ASPAH173   321-5010-00   RES, FXD, FILM: 89.11K OHM, 1%, 0.125W   91637   CRCW1206920FT   ASPAH775   321-5019-00   RES, FXD, FILM: 18 URE, 1%, 0.125W   91637   CRCW1206920FT   ASPAH776   321-5019-00   RES, FXD, FILM: 18 URE, 1%, 0.125W   91637   CRCW1206920FT   ASPAH777   321-5031-00   RES, FXD, FILM: 18 URE, 1%, 0.125W   91637   CRCW1206920FT   ASPAH777   321-5031-00   RES, FXD, FILM: 18 URE, 1%, 0.125W   91637   CRCW1206921FT   ASPAH777   321-5031-00   RES, FXD, FILM: 18 URE, 1%, 0.125W   91637   CRCW1206921FT   ASPAH181   321-5039-70   RES, FXD, FILM: 10 URC OHM, 1%, 0.125W   91637   CRCW1206103FT   ASPAH182   321-5047-00   RES, FXD, FILM: 10 URC OHM, 1%, 0.125W   91637   CRCW120603FT   ASPAH183   321-5039-70   RES, FXD, FILM: 10 URC OHM, 1%, 0.125W   91637   CRCW120603FT   ASPAH183   321-5039-00   RES, FXD, FILM: 562K, 1%, 0.125W   91637   CRCW12066822FT   ASPAH183   321-5034-00   RES, FXD, FILM: 562K, 1%, 0.125W   91637   CRCW12066822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 562K, 1%, 0.125W   91637   CRCW12066822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 362K, 1%, 0.125W   91637   CRCW12066822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 362K, 1%, 0.125W   91637   CRCW1206822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 362K, 1%, 0.125W   91637   CRCW1206822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 362K, 1%, 0.125W   91637   CRCW1206822FT   ASPAH390   321-5015-00   RES, FXD, FILM: 362K, 1%, 0.125W   91637   CRCW1206822FT   CRCW						
ASPIRATI74   321-5013-00   RES, FXD, FILM: 1982, OHM, 1%, 0.125W   91637   CRCW12063820FT   ASPIRATI76   321-5027-00   RES, FXD, FILM: 1.18E3, 1%, 0.125W   91637   CRCW1206104FT   ASPIRATI76   321-5027-00   RES, FXD, FILM: 1.58E2, 1%, 0.125W   91637   CRCW12061212FT   ASPIRATI78   321-5026-00   RES, FXD, FILM: 1.21KO HM, 1%, 0.125W   91637   CRCW12061212FT   ASPIRATI78   321-5026-00   RES, FXD, FILM: 47.5KO HM, 1%, 0.125W   91637   CRCW120673ET   ASPIRATI8   321-5026-00   RES, FXD, FILM: 47.5KO HM, 1%, 0.125W   91637   CRCW120673ET   ASPIRATI8   321-5047-00   RES, FXD, FILM: 47.5KO HM, 1%, 0.125W   91637   CRCW120673ET   ASPIRATI8   321-5047-00   RES, FXD, FILM: 58.2KO HM, 1%, 0.125W   91637   CRCW120673ET   ASPIRATI8   321-5047-00   RES, FXD, FILM: 58.2KO HM, 1%, 0.125W   91637   CRCW12063E2FT   ASPIRATI8   321-5048-00   RES, FXD, FILM: 58.2KO HM, 1%, 0.125W   91637   CRCW1205682FT   ASPIRATI8   321-5048-00   RES, FXD, FILM: 58.2KO HM, 1%, 0.125W   91637   CRCW1205682FT   ASPIRATIS   ASPIRATIS   ASPIRATIS   CRCW1205682FT   ASPIRATIS   ASPIRATI						
ASPAR175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 GRCW120860821FT ASPAR177 321-5031-00 RES, FXD, FILM: 5287, 1%, 0.125W 91637 GRCW120860821FT ASPAR177 321-5031-00 RES, FXD, FILM: 4.75K OHM, 1%, 0.125W 91637 GRCW1208621FT ASPAR180 321-5038-00 RES, FXD, FILM: 4.75K OHM, 1%, 0.125W 91637 GRCW1208673FT ASPAR180 321-5038-00 RES, FXD, FILM: 4.75K OHM, 1%, 0.125W 91637 GRCW1208673FT ASPAR180 321-5038-00 RES, FXD, FILM: 528, FXD, FILM: 528						CRCW12063920FT
ASPAH176 321-5027-00 RES, FXD, FILM: 524X (1%, 0.125W) 91637 CRCW12085021FT ASPAH178 321-5026-00 RES, FXD, FILM: 47.5K (OHM, 1%, 0.125W) 91637 CRCW12081212FT ASPAH181 321-5026-00 RES, FXD, FILM: 47.5K (OHM, 1%, 0.125W) 91637 CRCW12084782FT ASPAH181 321-5047-00 RES, FXD, FILM: 47.5K (OHM, 1%, 0.125W) 91637 CRCW12084782FT ASPAH181 321-5047-00 RES, FXD, FILM: 47.5K (OHM, 1%, 0.125W) 91637 CRCW12084782FT ASPAH183 321-5047-00 RES, FXD, FILM: 62.4K (OHM, 1%, 0.125W) 91637 CRCW12081003FT ASPAH183 321-5047-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW12081003FT ASPAH183 321-5049-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW12081003FT ASPAH183 321-5048-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5048-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5015-00 RES, FXD, FILM: 32.4K (OHM, 1%, 0.125W) 91637 CRCW1208103FT ASPAH190 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103FT ASPAH191 321-5015-00 RES, FXD, FILM: 92.0HM, 1%, 0.125W 91637 CRCW1208103F						
ASPAR   177   321-5031-00   RES. FXD. FILM: 12.1K O+IM, 1%, 0.125W   91637   GRCW12061212FT   ASPAR   180   321-5038-00   RES. FXD. FILM: 47.5K O+IM, 1%, 0.125W   91637   GRCW120614751FT   ASPAR   180   321-5034-00   RES. FXD. FILM: 100K O+IM, 1%, 0.125W   91637   GRCW120614752FT   ASPAR   181   321-5047-00   RES. FXD. FILM: 100K O+IM, 1%, 0.125W   91637   GRCW12061035FT   ASPAR   182   321-5047-00   RES. FXD. FILM: 100K O+IM, 1%, 0.125W   91637   GRCW12061035FT   ASPAR   182   321-5037-00   RES. FXD. FILM: 562K, 1%, 0.125W   91637   GRCW12061035FT   ASPAR   183   21-5032-00   RES. FXD. FILM: 562K, 1%, 0.125W   91637   GRCW12065622FT   ASPAR   183   21-5034-00   RES. FXD. FILM: 562K, 1%, 0.125W   91637   GRCW12065622FT   ASPAR   183   21-5031-00   RES. FXD. FILM: 32.2K O+IM, 1%, 0.125W   91637   GRCW12065622FT   ASPAR   183   21-5031-00   RES. FXD. FILM: 270-00   RES. FXD. FILM: 27						
ASPAH178 321-5028-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 GRCW12064732FT ASPAH181 321-5047-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 GRCW12064732FT ASPAH181 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 GRCW12064732FT ASPAH182 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 GRCW12061003FT ASPAH182 321-5029-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 GRCW12061003FT ASPAH182 321-5027-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 GRCW12065622FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 GRCW12065622FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 GRCW1206562FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 GRCW1206562FT ASPAH190 321-5015-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 GRCW1206562FT ASPAH190 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206100FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM: 100 HM, 1%, 0.125W 91637 GRCW1206620FT ASPAH191 321-5015-00 RES, FXD, FILM:					91637	CRCW12061212FT
ASRA1810 321-5038-00 RES, FXD, FILLM: 47.5K OHM, 1%, 0.125W 91837 CRCW12061036FT ASRA182 321-5047-00 RES, FXD, FILLM: 100K OHM, 1%, 0.125W 91837 CRCW12061036FT ASRA182 321-5039-00 RES, FXD, FILLM: 100K OHM, 1%, 0.125W 91837 CRCW12065822FT ASRA184 321-5027-00 RES, FXD, FILLM: 5.62K, 1%, 0.125W 91837 CRCW12065822FT ASRA184 321-5027-00 RES, FXD, FILLM: 5.62K, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5015-00 RES, FXD, FILLM: 5.62K, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5015-00 RES, FXD, FILLM: 5.62K, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5016-00 RES, FXD, FILLM: 5.62K, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5016-00 RES, FXD, FILLM: 92 OHM, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12065822FT ASRA030 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW120610R0FT ASRA120 321-5016-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW120610R0FT ASRA131 321-5000-00 RES, FXD, FILLM: 92 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA131 321-5000-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063820FT ASRA151 321-5003-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW12063821FT ASRA151 321-5003-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW1206321FT ASRA151 321-5003-00 RES, FXD, FILLM: 100 OHM, 1%, 0.125W 91837 CRCW1206321FT ASRA151 321-5003-00 RES, FX					91637	CRCW12064751FT
ASRA6181 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW12061003FT ASRA183 321-5039-00 RES, FXD, FILM: 150.0K OHM, 1%, 0.125W 91637 CRCW12065622FT ASRA193 321-5027-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT ASRA193 321-5048-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT ASRA193 321-5015-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12065622FT ASRA0070 321-5011-00 RES, FXD, FILM: 36.2K OHM, 1%, 0.125W 91637 CRCW12065622FT ASR8070 321-5011-00 RES, FXD, FILM: 32.4K OHM, 1%, 0.125W 91637 CRCW12065620FT ASR8070 321-5011-00 RES, FXD, FILM: 320-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8070 321-5013-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8061 321-5013-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8130 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065820FT ASR8130 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065820FT ASR8130 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065820FT ASR8132 321-5009-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065820FT ASR8132 321-5009-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8132 321-5009-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8134 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8134 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8134 321-5015-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW12065620FT ASR8151 321-5025-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW1206522FT ASR8151 321-5026-00 RES, FXD, FILM: 100-0HM, 1%, 0.125W 91637 CRCW1206322FT ASR8151 321-5026-00 RES, FXD,					91637	CRCW12064752FT
ASR-182 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206502FT ASR-184 321-5027-00 RES, FXD, FILM: 56.2K, 1%, 0.125W 91637 CRCW1206502FT ASR-184 321-5027-00 RES, FXD, FILM: 5.2EX, 1%, 0.125W 91637 CRCW1206502FT ASR-5030 321-5011-00 RES, FXD, FILM: 32.2K OHM, 1%, 0.125W 91637 CRCW1206502FT ASR-5030 321-5011-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW1206502FT ASR-5030 321-5010-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502FT ASR-5030 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR-5120 321-5013-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR-5120 321-5013-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5120 321-5013-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5131 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5131 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5131 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5133 321-5038-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR-5133 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5153 321-5022-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5150 321-5022-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5150 321-5022-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5152 321-5034-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5152 321-5040-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5152 321-5040-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5172 321-5047-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206502DFT ASR-5172 321-5047-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206321EFT ASR-5172 321-5047-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206321EFT ASR-5173 321-5049-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW1206321EFT ASR-5173 321-5049-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063021EFT ASR-5173 3					91637	CRCW12061003FT
ASRA183 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT ASRA190 321-5048-00 RES, FXD, FILM: 56.2K 1%, 0.125W 91637 CRCW12065622FT ASRA190 321-5015-00 RES, FXD, FILM: 56.2K 1%, 0.125W 91637 CRCW12065223FT ASR6070 321-5011-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065229FT ASR6070 321-5011-00 RES, FXD, FILM: 32.K OHM, 1%, 0.125W 91637 CRCW12065220FT ASR6091 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12065220FT ASR6091 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR63613 321-5015-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW1206320FT ASR6130 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063820FT ASR6130 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063820FT ASR6130 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6132 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6132 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6132 321-5000-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5025-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW12064782FT ASR6134 321-5025-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6161 321-5025-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12065221FT ASR6161 321-5025-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12065221FT ASR6161 321-5025-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12065221FT ASR6161 321-5025-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW1206521FT ASR6161 321-5025-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5048-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5049-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5049-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5049-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5049-00 RES, FXD, FILM: 322 KOHM, 1%, 0.125W 91637 CRCW12063221FT ASR6161 321-5049-00 RES, FXD, FILM: 32	<del>-</del>				91637	CRCW12061003FT
ASRA1194 221-5027-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12065621FT ASR5030 221-5011-00 RES, FXD, FILM: 323. PC MM, 1%, 0.125W 91637 CRCW12065323FT ASR5030 321-5011-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065420FT ASR5090 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206160F0FT ASR5090 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5120 321-5013-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5120 321-5013-00 RES, FXD, FILM: 932 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5131 321-5000-00 RES, FXD, FILM: 932 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5131 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5133 321-5003-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5133 321-5003-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5133 321-5038-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5133 321-5022-00 RES, FXD, FILM: 42-5K OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5150 321-5022-00 RES, FXD, FILM: 22-1K OHM, 1%, 0.125W 91637 CRCW1206170F0FT ASR5150 321-5022-00 RES, FXD, FILM: 22-1K OHM, 1%, 0.125W 91637 CRCW1206221FFT ASR5150 321-5022-00 RES, FXD, FILM: 22-1K OHM, 1%, 0.125W 91637 CRCW1206221FT ASR5150 321-5023-00 RES, FXD, FILM: 22-1K OHM, 1%, 0.125W 91637 CRCW1206221FT ASR5167 321-5003-00 RES, FXD, FILM: 42-1K, OHM 1%, 0.125W 91637 CRCW1206231FT ASR5170 321-5004-00 RES, FXD, FILM: 10-0HM, 1%, 0.125W 91637 CRCW12063221FT ASR5170 321-5004-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12063221FT ASR5174 321-5003-00 RES, FXD, FILM: 10-0HM, 1%, 0.125W 91637 CRCW12061003FT ASR5174 321-5004-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12061003FT ASR5174 321-5004-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12061003FT ASR5174 321-5004-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12061003FT ASR5174 321-5004-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12061003FT ASR5179 321-5044-00 RES, FXD, FILM: 47-5K OHM, 1%, 0.125W 91637 CRCW12063222FT ASR5180 321-50						CRCW12065622FT
ASR6190 221-5015-00 RES, FXD, FILM: 32.2K OHM, 1%, 0.125W 91637 CRCW12065322FT ASR5070 221-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW1206522FT ASR5070 221-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206502FT ASR5091 221-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5091 221-5013-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5130 221-5013-00 RES, FXD, FILM: 320 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5130 321-5015-00 RES, FXD, FILM: 320 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5130 321-5015-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5132 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5132 321-5003-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5132 321-5038-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5134 321-5015-00 RES, FXD, FILM: 12 CYL					91637	CRCW12065621FT
ASR6030 221-5011-00 RES, FXD, FILM: 552 OHM, 1%, 0.125W 91637 CRCW1206540FT ASR6090 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6090 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6120 321-5010-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6120 321-5013-00 RES, FXD, FILM: 982 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6120 321-5015-00 RES, FXD, FILM: 982 OHM, 1%, 0.125W 91637 CRCW12063920FT ASR6131 321-5000-00 RES, FXD, FILM: 982 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5003-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5003-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6134 321-5015-00 RES, FXD, FILM: 92 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6134 321-5015-00 RES, FXD, FILM: 92 OHM, 1%, 0.125W 91637 CRCW120624735FT ASR6134 321-5025-00 RES, FXD, FILM: 92 OHM, 1%, 0.125W 91637 CRCW1206221FT ASR6151 321-5025-00 RES, FXD, FILM: 92 CHM, 1%, 0.125W 91637 CRCW1206221FT ASR6156 321-5043-00 RES, FXD, FILM: 92 CHM, 1%, 0.125W 91637 CRCW1206221FT ASR6160 321-5043-00 RES, FXD, FILM: 91 OHM, 1%, 0.125W 91637 CRCW1206321FT ASR6160 321-5043-00 RES, FXD, FILM: 91 OHM, 1%, 0.125W 91637 CRCW1206321FT ASR6170 321-5005-00 RES, FXD, FILM: 91 OHM, 1%, 0.125W 91637 CRCW1206321FT ASR6170 321-5005-00 RES, FXD, FILM: 91 OHM, 1%, 0.125W 91637 CRCW1206321FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6177 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR6170 321-5004-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206302FT ASR61						CRCW12063323FT
ASR6070 321-5001-00 RES. FXD. FILM: 274 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6091 321-5000-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6091 321-5018-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6130 321-5018-00 RES. FXD. FILM: 392 O-HM, 1%, 0.125W 91637 CRCW120639820FT ASR6130 321-5018-00 RES. FXD. FILM: 592 O-HM, 1%, 0.125W 91637 CRCW120639820FT ASR6130 321-5018-00 RES. FXD. FILM: 592 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5000-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5030-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5030-00 RES. FXD. FILM: 12 O-HM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-5038-00 RES. FXD. FILM: 47.5K O-HM, 1%, 0.125W 91637 CRCW12062620FT ASR6134 321-5018-00 RES. FXD. FILM: 221K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR6134 321-5022-00 RES. FXD. FILM: 221K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR6131 321-5022-00 RES. FXD. FILM: 221K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR61610 321-5022-00 RES. FXD. FILM: 3.92K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR61610 321-5049-00 RES. FXD. FILM: 3.92K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR61610 321-5049-00 RES. FXD. FILM: 47.5K O-HM, 1%, 0.125W 91637 CRCW12062621FT ASR61610 321-5049-00 RES. FXD. FILM: 47.5K O-HM, 1%, 0.125W 91637 CRCW1206010R0FT ASR6173 321-5049-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW1206010R0FT ASR6173 321-5049-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW1206010R0FT ASR6173 321-5049-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW1206010R0FT ASR6173 321-5049-00 RES. FXD. FILM: 13.92K O-HM, 1%, 0.125W 91637 CRCW12060108FT ASR6173 321-5049-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW1206033FT ASR6173 321-5049-00 RES. FXD. FILM: 10 O-HM, 1%, 0.125W 91637 CRCW1206033FT ASR6173 321-5049-00 RES. FXD. FILM: 3.92K O-HM, 1%, 0.125W 91637 CRCW1206033ET ASR6173 321-5049-00 RES. FXD. FILM: 3.92K O-HM, 1%, 0.125W 91637 CRCW12063622FT ASR6180 321-5049-00 RES. FXD. FILM: 47.5K O-HM, 1%, 0.125W 91637 CRCW12063622FT					91637	CRCW12065620FT
ASR6090 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6120 321-5010-00 RES, FXD, FILM: 392 OHM, 1%, 0.125W 91637 CRCW12063020FT ASR6120 321-5015-00 RES, FXD, FILM: 392 OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6131 321-5000-00 RES, FXD, FILM: 592 OHM, 1%, 0.125W 91637 CRCW120636620FT ASR6131 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-5030-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-5030-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-5030-00 RES, FXD, FILM: 15 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-5030-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6134 321-5022-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6151 321-5022-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6151 321-5022-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6151 321-5023-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063621FT ASR6160 321-5043-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063621FT ASR6160 321-5043-00 RES, FXD, FILM: 9.21K OHM, 1%, 0.125W 91637 CRCW12063621FT ASR6167 321-5043-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6177 321-5023-00 RES, FXD, FILM: 9.32K OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6173 321-5043-00 RES, FXD, FILM: 9.32K OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6173 321-5049-00 RES, FXD, FILM: 9.32K OHM, 1%, 0.125W 91637 CRCW1206301FT ASR6173 321-5049-00 RES, FXD, FILM: 9.32K OHM, 1%, 0.125W 91637 CRCW12063021FT ASR6173 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063022FT ASR6173 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063022FT ASR6173 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063022FT ASR6181 321-5039-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063022FT ASR6181 321-5039-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063622FT ASR6181 321-5039-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063622FT ASR6181 321-5039-00 RES, FXD, FILM: 1 MEG,					91637	CRCW12062740FT
ASF85091 321-5010-00 RES. FXD. FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063920FT ASR8130 321-5015-00 RES. FXD. FILM: 582 OHM, 1%, 0.125W 91637 CRCW12063920FT ASR8131 321-5000-00 RES. FXD. FILM: 582 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR8131 321-5000-00 RES. FXD. FILM: 582 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR8131 321-5003-00 RES. FXD. FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR8133 321-5015-00 RES. FXD. FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR8133 321-5015-00 RES. FXD. FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR8153 321-5022-00 RES. FXD. FILM: 522 OHM, 1%, 0.125W 91637 CRCW1206272FT ASR8150 321-5022-00 RES. FXD. FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206271FT ASR81515 321-5022-00 RES. FXD. FILM: 324K OHM, 1%, 0.125W 91637 CRCW1206271FT ASR8152 321-5034-00 RES. FXD. FILM: 324K OHM, 1%, 0.125W 91637 CRCW1206271FT ASR8152 321-5034-00 RES. FXD. FILM: 32.1K, 0.1M, 0.125W 91637 CRCW12063921FT ASR8157 321-5025-00 RES. FXD. FILM: 32.1K, 0.1M, 0.125W 91637 CRCW12063921FT ASR8172 321-5025-00 RES. FXD. FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR8173 321-5024-00 RES. FXD. FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW120630321FT ASR8173 321-5047-00 RES. FXD. FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW120630321FT ASR8173 321-5040-00 RES. FXD. FILM: 10.0 OHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.0 OHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.0 OHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.0 OHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.6 CHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.6 CHM, 1%, 0.125W 91637 CRCW12061003FT ASR8173 321-5040-00 RES. FXD. FILM: 10.6 CHM, 1%, 0.125W 91637 CRCW12061003FT ASR8183 321-5030-00 RES. FXD. FILM: 10.6 CHM, 1%, 0.125W 91637 CRCW120630321FT ASR8183 321-5030-00 RES. FXD. FILM: 10.0 CHM, 1%, 0.125W 91637 CRCW12063622FT ASR8183 321-5030-00 RES. FXD. FILM: 10.0 CHM, 1%, 0.125W 91637 CRCW12063622FT ASR8183 321-5040-00 RES. FXD					91637	CRCW120610R0FT
ASR61120 321-5013-00 RES, FXD, FILM: 392 OHM, 1%, 0.125W 91637 CRCW12065820FT ASR6130 321-5015-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-50038-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6133 321-50038-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206520FT ASR6134 321-5015-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206520FT ASR6134 321-5022-00 RES, FXD, FILM: 2.21K OHM, 1%, 0.125W 91637 CRCW1206520FT ASR6151 321-5022-00 RES, FXD, FILM: 2.21K OHM, 1%, 0.125W 91637 CRCW1206520FT ASR6151 321-5025-00 RES, FXD, FILM: 2.21K OHM, 1%, 0.125W 91637 CRCW12063211FT ASR6151 321-5025-00 RES, FXD, FILM: 2.21K, OHM, 1%, 0.125W 91637 CRCW12063211FT ASR6150 321-5043-00 RES, FXD, FILM: 2.21K, OHM, 1%, 0.125W 91637 CRCW12063781FT ASR6160 321-5043-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064718FT ASR6170 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064718FT ASR6171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063721FT ASR6173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5034-00 RES, FXD, FILM: 10 RES, FXD, FILM						CRCW120610R0FT
ASR6130 321-5000-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW120616R0FT ASR6131 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5038-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6132 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW1206475EFT ASR6134 321-5015-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6150 321-5022-00 RES, FXD, FILM: 522 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6151 321-5025-00 RES, FXD, FILM: 2.21K OHM, 1%, 0.125W 91637 CRCW12063621FT ASR6152 321-5034-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6152 321-5034-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6152 321-5004-00 RES, FXD, FILM: 10.01M, 1%, 0.125W 91637 CRCW12063921FT ASR6157 321-5004-00 RES, FXD, FILM: 10.01M, 1%, 0.125W 91637 CRCW1206376FT ASR6173 321-5025-00 RES, FXD, FILM: 10.01M, 1%, 0.125W 91637 CRCW120610R0FT ASR6173 321-5024-00 RES, FXD, FILM: 10.01M, 1%, 0.125W 91637 CRCW120630321FT ASR6174 321-5038-00 RES, FXD, FILM: 10.01K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR6173 321-5049-00 RES, FXD, FILM: 10.01K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR6176 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063321FT ASR6176 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6176 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6178 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6178 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 10.01K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 10.01K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 10.01K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR6183 321-5038-00 RES, FXD, FILM: 10.01						
ASR5132 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR5132 321-5008-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064782FT ASR5134 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064782FT ASR5134 321-5052-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW1206520FT ASR5151 321-5052-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW12063211FT ASR5151 321-5052-00 RES, FXD, FILM: 221K OHM, 1%, 0.125W 91637 CRCW12063211FT ASR5151 321-5043-00 RES, FXD, FILM: 221K, OHM, 1%, 0.125W 91637 CRCW12063211FT ASR5160 321-5043-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064716FT ASR5170 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064716FT ASR5171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12064716FT ASR5173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5173 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5173 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5173 321-5024-00 RES, FXD, FILM: 10 THM, 1%, 0.125W 91637 CRCW12063921FT ASR5175 321-5024-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5175 321-5024-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR5175 321-5024-00 RES, FXD, FILM: 14 MEG, 1%, 0.125W 91637 CRCW12063921FT ASR5175 321-5039-00 RES, FXD, FILM: 11 MEG, 1%, 0.125W 91637 CRCW1206322FT ASR5176 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12064752FT ASR5176 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12064752FT ASR5180 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12066322FT ASR5180 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12066322FT ASR5180 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12066322FT ASR5180 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12063323FT ASR5190 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W 91637 CRCW12066322FT ASR5190 321-5039-00 RES, FXD, FILM: 10 MEG, 1%, 0.125W						
ASB5132   S000-00   RES. FXD. FILM: 10 OHM, 1%, 0.125W   91637   CRCW120610R0FT   ASB5133   321-5038-00   RES. FXD. FILM: 47.5K OHM, 1%, 0.125W   91637   CRCW1206362FT   ASB5154   321-5025-00   RES. FXD. FILM: 552 OHM, 1%, 0.125W   91637   CRCW1206362FT   ASB5150   321-5025-00   RES. FXD. FILM: 2.21K OHM, 1%, 0.125W   91637   CRCW12063921FT   ASB5150   321-5035-00   RES. FXD. FILM: 3.22K OHM, 1%, 0.125W   91637   CRCW12063921FT   ASB5150   321-5034-00   RES. FXD. FILM: 3.22K OHM, 1%, 0.125W   91637   CRCW12063921FT   ASB5160   321-5034-00   RES. FXD. FILM: 2.21K, OHM 1%, 0.125W   91637   CRCW12063921FT   ASB5170   321-5005-00   RES. FXD. FILM: 10 OHM, 1%, 0.125W   91637   CRCW120610R0FT   ASB5171   321-5025-00   RES. FXD. FILM: 10 OHM, 1%, 0.125W   91637   CRCW120610R0FT   ASB5172   321-5047-00   RES. FXD. FILM: 3.28K OHM, 1%, 0.125W   91637   CRCW1206103FT   ASB5173   321-5038-00   RES. FXD. FILM: 3.28K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5173   321-5038-00   RES. FXD. FILM: 3.28K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5173   321-5049-00   RES. FXD. FILM: 47.5K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5173   321-5049-00   RES. FXD. FILM: 100K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5173   321-5038-00   RES. FXD. FILM: 147.5K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5175   321-5039-00   RES. FXD. FILM: 147.5K OHM, 1%, 0.125W   91637   CRCW1206303FT   ASB5176   321-5039-00   RES. FXD. FILM: 147.5K OHM, 1%, 0.125W   91637   CRCW12064752FT   ASB5187   321-5038-00   RES. FXD. FILM: 15.2E   ASB5180   321-5039-00   R						
ASR6133 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6150 321-5022-00 RES, FXD, FILM: 22.1K, OHM, 1%, 0.125W 91637 CRCW12063921FT ASR61513 321-5025-00 RES, FXD, FILM: 22.21K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR61513 321-5034-00 RES, FXD, FILM: 22.1K, OHM 1%, 0.125W 91637 CRCW12063921FT ASR6150 321-5040-00 RES, FXD, FILM: 22.1K, OHM 1%, 0.125W 91637 CRCW12063921FT ASR6160 321-5043-00 RES, FXD, FILM: 22.1K, OHM 1%, 0.125W 91637 CRCW12063921FT ASR6160 321-5040-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6170 321-5000-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6171 321-5024-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5044-00 RES, FXD, FILM: 3.02K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5044-00 RES, FXD, FILM: 3.02K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5049-00 RES, FXD, FILM: 1.0KO, OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6176 321-5049-00 RES, FXD, FILM: 1.0KE, 1%, 0.125W 91637 CRCW12064752FT ASR6176 321-5049-00 RES, FXD, FILM: 1.0KE, 1%, 0.125W 91637 CRCW12064104FT ASR6176 321-5049-00 RES, FXD, FILM: 1.0KE, 1%, 0.125W 91637 CRCW1206-1004FT ASR6176 321-5049-00 RES, FXD, FILM: 1.0KE, 1%, 0.125W 91637 CRCW1206-1004FT ASR6176 321-5049-00 RES, FXD, FILM: 1.0XE, 0.105W 91637 CRCW1206-1004FT ASR6178 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206322FT ASR6178 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206322FT ASR6180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12066322FT ASR6180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12066322FT ASR6180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206682FT ASR6180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206682FT ASR6180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206682FT ASR6180 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206682FT ASR6180 321-5038-00 RES, FXD, FILM: 13.2K OHM, 1%, 0.125W 91637 CRCW1206682FT ASR6180 321-503						
ASPR5150   321-5015-00   RES. FXD. FILM: 562 O.HM. 1%, 0.125W   91637   CRCW1206520FT   ASPR5150   321-5025-00   RES. FXD. FILM: 2.21K. O.HM. 1%, 0.125W   91637   CRCW12062211FT   ASPR5151   321-5025-00   RES. FXD. FILM: 2.21K. O.HM. 1%, 0.125W   91637   CRCW12063921FT   ASPR5160   321-5043-00   RES. FXD. FILM: 2.21K. O.HM. 1%, 0.125W   91637   CRCW12062212FT   ASPR5160   321-5043-00   RES. FXD. FILM: 47.5K O.HM. 1%, 0.125W   91637   CRCW12062712FT   ASPR5170   321-5025-00   RES. FXD. FILM: 47.5K O.HM. 1%, 0.125W   91637   CRCW120610R0FT   ASPR5172   321-5024-00   RES. FXD. FILM: 91600   RES. FXD. FILM: 91637   CRCW12063921FT   ASPR5173   321-5024-00   RES. FXD. FILM: 91600   RES. FXD. FILM: 91637   CRCW12063921FT   ASPR5173   321-5024-00   RES. FXD. FILM: 47.5K O.HM. 1%, 0.125W   91637   CRCW12063921FT   ASPR5173   321-5024-00   RES. FXD. FILM: 47.5K O.HM. 1%, 0.125W   91637   CRCW12063231FT   ASPR5173   321-5024-00   RES. FXD. FILM: 47.5K O.HM. 1%, 0.125W   91637   CRCW12064752FT   ASPR5173   321-5034-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12064752FT   ASPR5175   321-5036-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12064704FT   ASPR5176   321-5036-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12065022FT   ASPR5178   321-5036-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12065022FT   ASPR5181   321-5036-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12065022FT   ASPR5181   321-5038-00   RES. FXD. FILM: 1 MEG. 1%, 0.125W   91637   CRCW12065022FT   ASPR5181   321-5038-00   RES. FXD. FILM: 1 ASPR5178   S16308-00   RES. FXD. FILM: 1 ASPR5178   S16308-00   RES. FXD. FILM: 1 ASPR5179   S1637   CRCW12065022FT   ASPR5181   321-5038-00   RES. FXD. FILM: 1 ASPR5181   S16308-00   RES. FXD. FILM:	·			BES. FXD. FILM: 47.5K OHM. 1%. 0.125W		
ASRB1510 321-5022-00 RES, FXD, FILM: 2.21K OHM, 1%, 0.125W 91637 CRCW1206321FT ASRB1512 321-5034-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW1206321FT ASRB152 321-5034-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063212FT ASRB160 321-5000-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT ASRB170 321-5000-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW120610R0FT ASRB171 321-5025-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW120610R0FT ASRB173 321-5024-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW120610R0FT ASRB173 321-5024-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW12063921FT ASRB173 321-5024-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW12063321FT ASRB173 321-5034-00 RES, FXD, FILM: 10.0HM, 1%, 0.125W 91637 CRCW12063221FT ASRB174 321-5034-00 RES, FXD, FILM: 14 MEG, 1%, 0.125W 91637 CRCW12064752FT ASRB175 321-5049-00 RES, FXD, FILM: 14 MEG, 1%, 0.125W 91637 CRCW12064704FT ASRB176 321-5034-00 RES, FXD, FILM: 13.2K OHM, 1%, 0.125W 91637 CRCW1206404FT ASRB176 321-5034-00 RES, FXD, FILM: 32.5W 91637 CRCW12064752FT ASRB178 321-5038-00 RES, FXD, FILM: 32.5W 91637 CRCW12063322FT ASRB178 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12063322FT ASRB180 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12063322FT ASRB181 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW1206322FT ASRB181 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW1206322FT ASRB181 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW12063232FT ASRB181 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW1206322FT ASRB183 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW12063233FT ASRB183 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW12063232FT ASRB183 321-5038-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW1206323FT ASRB183 321-5048-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW1206323FT ASRB193 321-5048-00 RES, FXD, FILM: 13.0K OHM, 1%, 0.125W 91637 CRCW1206323FT ASRB193 321-5048-00 RES, FXD, FILM: 15.0K OHM, 1%, 0.12						
ASR6151 321-5025-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6152 321-5034-00 RES, FXD, FILM: 42.5K, OHM, 1%, 0.125W 91637 CRCW12062212FT ASR6160 321-5049-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT ASR6170 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6172 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR6173 321-5024-00 RES, FXD, FILM: 3.32K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6174 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12064752FT ASR6177 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12064054T ASR6176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6176 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW1206-1004FT ASR6179 321-5039-00 RES, FXD, FILM: 32.5K OHM, 1%, 0.125W 91637 CRCW12066522FT ASR6189 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12066522FT ASR6189 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12066522FT ASR6189 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061212FT ASR6181 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6181 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6181 321-5038-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR6181 321-5038-00 RES, FXD, FILM: 50.2K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR6181 321-5038-00 RES, FXD, FILM: 50.2K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR6181 321-5038-00 RES, FXD, FILM: 50.2K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR6181 321-5038-00 RES, FXD, FILM: 50.2K OHM, 1%, 0.125W 91637 CRCW12066002FT ASR6181 321-5038-00 RES, FXD, FILM: 50.0K OHM, 1%, 0.125W 91637 CRCW12066002FT ASR6001 321-5018-00 RES, FXD, FILM: 50.0K OHM, 1%, 0.125W 91637 CRCW1206600FT ASR6003 321-50						
ASR6152 221-5034-00 RES, FXD, FILM: 22.1K, OHM 1%, 0.125W 91637 CRCW12062212ET ASR6160 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6170 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6173 321-5024-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5024-00 RES, FXD, FILM: 3.32K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6175 321-5049-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12064752FT ASR6176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6176 321-5039-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12068252FT ASR6178 321-5039-00 RES, FXD, FILM: 32.2K OHM, 1%, 0.125W 91637 CRCW12068252FT ASR6178 321-5039-00 RES, FXD, FILM: 32.5K OHM, 1%, 0.125W 91637 CRCW12068252FT ASR6181 321-5039-00 RES, FXD, FILM: 32.5K OHM, 1%, 0.125W 91637 CRCW12068252FT ASR6181 321-5030-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12068222FT ASR6181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061212FT ASR6182 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061022FT ASR6182 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6183 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6183 321-5048-00 RES, FXD, FILM: 50.5K, 11M, 50.5K, 11M, 50.25W 91637 CRCW12063323FT ASR6183 321-5048-00 RES, FXD, FILM: 50.5K, 11M, 50.25W 91637 CRCW12063823FT ASR6193 321-5048-00 RES, FXD, FILM: 50.5K, 11M, 50.125W 91637 CRCW12065821FT ASR6193 321-5045-00 RES, FXD, FILM: 50.5K, 11M, 50.125W 91637 CRCW12065821FT ASR6193 321-5045-00 RES, FXD, FILM: 50.0K OHM, 1%, 0.125W 91637 CRCW12065821FT ASR6193 321-5045-00 RES, FXD, FILM: 50.0K OHM, 1%, 0.125W 91637 CRCW12065821FT ASR6030 321-5015-00 RES, FXD, FILM: 50.0K OHM, 1%, 0.125W 91637 CRCW12065822FT ASR6030 32						
ASR6170 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120610RDFT ASR6171 321-5025-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6172 321-5047-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6172 321-5024-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6172 321-5024-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT ASR6173 321-5024-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6175 321-5049-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR6176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6177 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6177 321-5049-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW1206322FT ASR6179 321-5036-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12063022FT ASR6189 321-5039-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12063022FT ASR6180 321-5039-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12063022FT ASR6180 321-5038-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12063022FT ASR6180 321-5038-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12063022FT ASR6180 321-5038-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW12064752FT ASR6180 321-5030-00 RES, FXD, FILM: 52.X CHM, 1%, 0.125W 91637 CRCW1206472FT ASR6180 321-5030-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063023FT ASR6180 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063323FT ASR6180 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063323FT ASR6191 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063323FT ASR6191 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063323FT ASR6191 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063323FT ASR6191 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063322FT ASR6011 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW12063322FT ASR6011 321-5048-00 RES, FXD, FILM: 50.X CHM, 1%, 0.125W 91637 CRCW1206302FT ASR6031 321-5008-00 RE						
A5R5170 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R5171 321-5025-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW12063921FT A5R5172 321-5047-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW1206303FT A5R5173 321-5038-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW12063221FT A5R5174 321-5038-00 RES, FXD, FILM: 17-5K OHM, 1%, 0.125W 91637 CRCW12063221FT A5R5175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW12064752FT A5R5176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5176 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW1206-1004FT A5R5177 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5179 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5180 321-5031-00 RES, FXD, FILM: 62.6 XOHM, 1%, 0.125W 91637 CRCW12068252FT A5R5181 321-5033-00 RES, FXD, FILM: 62.6 XOHM, 1%, 0.125W 91637 CRCW12065622FT A5R5181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206102FT A5R5183 321-5030-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW1206102FT A5R5183 321-5030-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW1206102FT A5R5184 321-5030-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R5184 321-5030-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R5193 321-5045-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R5193 321-5045-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R6010 321-5015-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R6010 321-5015-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R6021 321-5015-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061600FT A5R6021 321-5016-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061600FT A5R6031 321-5016-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5016-00 RES, FXD, FILM: 10.0K OHM, 1%,						
ASR5171 321-5025-00 RES, FXD, FILM: 3.92K OHM, 1%, 0.125W 91637 CRCW1206103FT ASR5172 321-5024-00 RES, FXD, FILM: 10K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR5173 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR5175 321-5049-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT ASR5175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR5176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR5177 321-5041-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW1206-1004FT ASR5178 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12063322FT ASR5178 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR5180 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR5180 321-5039-00 RES, FXD, FILM: 17.4K OHM, 1%, 0.125W 91637 CRCW12063322FT ASR5180 321-5039-00 RES, FXD, FILM: 17.4K OHM, 1%, 0.125W 91637 CRCW1206322FT ASR5180 321-5039-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206322FT ASR5180 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR5181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR5183 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR5185 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR5185 321-5048-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12063323FT ASR5193 321-5048-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12063323FT ASR5193 321-5048-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12063808FT ASR6010 321-5015-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063808FT ASR6010 321-5016-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063808FT ASR6020 321-5016-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063808FT ASR6020 321-5016-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063808FT ASR6020 321-5016-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063600FT ASR6030 321-5016-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063908FT ASR6030 321-5016-00 RES, FXD,					91637	CRCW120610R0FT
A5R5172 321-504-00 RES, FXD, FILM: 100K OHM, 1%, 0.125W 91637 CRCW12061003FT A5R5173 321-5024-00 RES, FXD, FILM: 3.32K OHM, 1%, 0.125W 91637 CRCW12063221FT A5R5174 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT A5R5176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5177 321-5041-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5177 321-5041-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW1206-1004FT A5R5178 321-5039-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5178 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5180 321-5031-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12066322FT A5R5181 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5039-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061202FT A5R5188 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5188 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063023FT A5R5188 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063023FT A5R5189 321-5045-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12063323FT A5R5190 321-5045-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12063323FT A5R6191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12066801FT A5R6010 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12066801FT A5R6010 321-5045-00 RES, FXD, FILM: 58.2 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6021 321-5045-00 RES, FXD, FILM: 58.2 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6030 321-5045-00 RES, FXD, FILM: 58.2 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6030 321-5045-00 RES, FXD, FILM: 58.2 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6030 321-5045-00 RES, FXD, FILM: 58.0 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6031 321-5045-00 RES, FXD, FILM: 50.0 OHM, 1%, 0.125W 91637 CRCW12066800FT A5R6030 321-5018-00 RES, FXD, FILM: 10.0 OHM, 1%, 0.125W 91637 CRCW1206300FT A5R6030 321-5018-00 RES,					91637	CRCW12063921FT
ASR6173 321-5024-00 RES, FXD, FILM: 3.32K OHM, 1%, 0.125W 91637 CRCW12063321FT ASR6174 321-5038-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6177 321-5041-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT ASR6177 321-5030-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT ASR6178 321-5039-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12068252FT ASR6179 321-5039-00 RES, FXD, FILM: 52.6 CM, 11, 18, 0.125W 91637 CRCW120663222FT ASR6180 321-5031-00 RES, FXD, FILM: 12.1 K OHM, 1%, 0.125W 91637 CRCW12066222FT ASR6181 321-5038-00 RES, FXD, FILM: 47.5 K OHM, 1%, 0.125W 91637 CRCW120661212FT ASR6181 321-5030-00 RES, FXD, FILM: 13.1 K OHM, 1%, 0.125W 91637 CRCW12063225FT ASR6183 321-5030-00 RES, FXD, FILM: 10.0 K OHM, 1%, 0.125W 91637 CRCW12063225FT ASR6184 321-5030-00 RES, FXD, FILM: 10.0 K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6184 321-5030-00 RES, FXD, FILM: 10.0 K OHM, 1%, 0.125W 91637 CRCW12063022FT ASR6184 321-5030-00 RES, FXD, FILM: 10.0 K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6184 321-5030-00 RES, FXD, FILM: 10.0 K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6189 321-5048-00 RES, FXD, FILM: 53.2 K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR6190 321-5048-00 RES, FXD, FILM: 53.2 K OHM, 1%, 0.125W 91637 CRCW12063623FT ASR6190 321-5048-00 RES, FXD, FILM: 53.2 K OHM, 1%, 0.125W 91637 CRCW12063621FT ASR6190 321-5048-00 RES, FXD, FILM: 68.1 K, 1%, 0.125W 91637 CRCW12063621FT ASR6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12063620FT ASR6010 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6010 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6020 321-5018-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12065620FT ASR6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT ASR6					91637	
A5R5174 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT A5R5175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5177 321-5041-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5178 321-5038-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5180 321-5031-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5180 321-5031-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5181 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5181 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5038-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5184 321-5030-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5184 321-5030-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12065821FT A5R5190 321-5048-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12065821FT A5R5191 321-5045-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12065821FT A5R6191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12065820FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12066881FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW1206680FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6031 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6030 321-5018-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6031 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6030 321-5018-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206690FT A5R6031 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206690FT A5R6030 321-5018-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6030 321-5000-00 RES, FXD, FILM:					91637	CRCW12063321FT
A5R5175 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5176 321-5041-00 RES, FXD, FILM: 1 MEG, 1%, 0.125W 91637 CRCW1206-1004FT A5R5177 321-5036-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12068252FT A5R5179 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12063222FT A5R5180 321-5031-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12063222FT A5R5180 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12063222FT A5R5181 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064722FT A5R5183 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5183 321-5039-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW120630323FT A5R5185 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063022FT A5R5189 321-5048-00 RES, FXD, FILM: 56.2K, 1%, 0.125W 91637 CRCW12063022FT A5R5190 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12063023FT A5R5190 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12063023FT A5R5191 321-5045-00 RES, FXD, FILM: 58.2 OHM, 1%, 0.125W 91637 CRCW12063023FT A5R6010 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12066801FT A5R6010 321-5015-00 RES, FXD, FILM: 582 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6010 321-5018-00 RES, FXD, FILM: 582 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6021 321-5045-00 RES, FXD, FILM: 582 OHM, 1%, 0.125W 91637 CRCW12066801FT A5R6021 321-5018-00 RES, FXD, FILM: 590 OHM, 1%, 0.125W 91637 CRCW12066802FT A5R6030 321-5018-00 RES, FXD, FILM: 590 OHM, 1%, 0.125W 91637 CRCW12066000FT A5R6021 321-5018-00 RES, FXD, FILM: 500 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6050 321-5008-00 RES, FXD, FILM: 17					91637	CRCW12064752FT
A5R5176 321-5049-00 RES, FXD, FILM: 1 MEG, 1%, 0,125W 91637 CRCW12068252FT A5R5178 321-5036-00 RES, FXD, FILM: 82.5 OHM, 1%, 0,125W 91637 CRCW12068252FT A5R5179 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0,125W 91637 CRCW12065622FT A5R5180 321-5031-00 RES, FXD, FILM: 12.1K OHM, 1%, 0,125W 91637 CRCW12065622FT A5R5181 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0,125W 91637 CRCW12061212FT A5R5181 321-5038-00 RES, FXD, FILM: 10.0K OHM, 1%, 0,125W 91637 CRCW12061212FT A5R5182 321-5030-00 RES, FXD, FILM: 47.5K OHM, 1%, 0,125W 91637 CRCW12061002FT A5R5183 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0,125W 91637 CRCW12063323FT A5R5185 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0,125W 91637 CRCW12063325FT A5R5185 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0,125W 91637 CRCW12063325FT A5R5190 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0,125W 91637 CRCW12063325FT A5R5191 321-5045-00 RES, FXD, FILM: 5.62K, 1%, 0,125W 91637 CRCW12063325FT A5R5192 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0, 125W 91637 CRCW12063325FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0, 125W 91637 CRCW1206681FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0, 125W 91637 CRCW12066881FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0, 125W 91637 CRCW12066620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0, 125W 91637 CRCW12066620FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW12066020FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW12066020FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW12063322FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6050 321-5003-00 RES, FXD, FILM: 150 OHM, 1%, 0, 125W 91637 CRCW1206100FT A5R6050 321-5003-00 RES, FXD, FILM					91637	CRCW1206-1004FT
A5R5177 321-5036-00 RES, FXD, FILM: 82.5 OHM, 1%, 0.125W 91637 CRCW12063322FT A5R5178 321-5036-00 RES, FXD, FILM: 55.2K OHM, 1%, 0.125W 91637 CRCW1206322FT A5R5180 321-5031-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT A5R5183 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12064752FT A5R5183 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12064002FT A5R5183 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5183 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5185 321-5027-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12061002FT A5R5190 321-5048-00 RES, FXD, FILM: 562K, 1%, 0.125W 91637 CRCW12063233FT A5R5191 321-5048-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW1206621FT A5R5192 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW120668R1FT A5R6011 321-5036-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6020 321-5018-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW1206680FT A5R6030 321-5008-00 RES, FXD, FILM: 30.0 OHM, 1%, 0.125W 91637 CRCW120668020FT A5R6031 321-5008-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12066322FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206190FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206190FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206190FT A5R6030 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6050 321-5003-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6050 321-5003-00 RES, FXD, FILM: 10 OHM, 1%,					91637	CRCW1206-1004FT
A5R5178 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW1206322FT A5R5179 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5180 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5038-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061202FT A5R5182 321-5039-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063232FT A5R5183 321-5048-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5185 321-5027-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW1206323FT A5R5190 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW1206323FT A5R5190 321-5045-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063823FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW1206381FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 502 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12065020FT A5R6031 321-5008-00 RES, FXD, FILM: 30.2 OHM, 1%, 0.125W 91637 CRCW1206500FT A5R6031 321-5008-00 RES, FXD, FILM: 30.2 OHM, 1%, 0.125W 91637 CRCW12063982FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063982FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063982FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063982FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061000FT A5R6030 321-5008-00 RES, FXD, FILM: 120 OHM, 1%, 0.125W 91637 CRCW12061000FT A5R6050 321-5001-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5001-00 RES, FXD, FIL					91637	CRCW12068252FT
A5R5179 321-5039-00 RES, FXD, FILM: 56.2K OHM, 1%, 0.125W 91637 CRCW12065622FT A5R5180 321-5031-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12061212FT A5R5181 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5182 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5183 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5185 321-5030-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12063323FT A5R5185 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12065021FT A5R5190 321-5048-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12065821FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6010 321-5016-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6030 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12065020FT A5R6031 321-5008-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW120650322FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061000FT A5R6040 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061000FT A5R6050 321-5010-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5010-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW1206170R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW1206170R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274					91637	CRCW12063322FT
A5R5180 321-5031-00 RES, FXD, FILM: 12.1K OHM, 1%, 0.125W 91637 CRCW12064725FT A5R5181 321-5030-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064725FT A5R5183 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5185 321-5027-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5190 321-5048-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW1206323FT A5R5191 321-5045-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW1206323FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12066620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12065020FT A5R6030 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120630322FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120630322FT A5R6031 321-5008-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW120630322FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206308R2FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5008-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6030 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5014-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120647R5FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT A5R6060 321-5043-00 RES, FXD, F				RES. FXD. FILM: 56.2K OHM, 1%, 0.125W	91637	CRCW12065622FT
A5R5181 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064752FT A5R5182 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5183 321-5030-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5185 321-5027-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12065021FT A5R5190 321-5045-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12065821FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120653322FT A5R6031 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6031 321-5008-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061R0FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061740FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061740FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061740FT A5R6050 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12064740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5					91637	CRCW12061212FT
ASR5182 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT ASR5183 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12065022FT ASR5185 321-5027-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12065621FT ASR5190 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT ASR5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT ASR5192 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT ASR6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW120668R1FT ASR6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12066620FT ASR6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12066020FT ASR6021 321-5036-00 RES, FXD, FILM: 502 OHM, 1%, 0.125W 91637 CRCW12063322FT ASR6030 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120630912FT ASR6031 321-5042-00 RES, FXD, FILM: 100 OHM, 1%, 0.125W 91637 CRCW120630PT ASR6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063982FT ASR6033 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12063982FT ASR6034 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT ASR6035 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT ASR6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT ASR6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT ASR6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120647R5FT ASR6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT					91637	CRCW12064752FT
A5R5183 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5184 321-5030-00 RES, FXD, FILM: 10.0K OHM, 1%, 0.125W 91637 CRCW12061002FT A5R5190 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW12063323FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6030 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120650322FT A5R6030 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6031 321-5008-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW120639R2FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW120639R2FT A5R6033 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT A5R6050 321-5014-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12061706FT CRCW12061706FT CRCW12061706FT CRCW12061					91637	CRCW12061002FT
A5R5184         321-5030-00         RES, FXD, FILM: 10.0K OHM, 1%, 0.125W         91637         CRCW12061002FT           A5R5185         321-5027-00         RES, FXD, FILM: 5.62K, 1%, 0.125W         91637         CRCW12065621FT           A5R5190         321-5048-00         RES, FXD, FILM: 33.2K OHM, 1%, 0.125W         91637         CRCW12063323FT           A5R5191         321-5045-00         RES, FXD, FILM: 68.1K, 1%, 0.125W         91637         CRCW120668R1FT           A5R6192         321-5045-00         RES, FXD, FILM: 68.1K, 1%, 0.125W         91637         CRCW120668R1FT           A5R6010         321-5015-00         RES, FXD, FILM: 562 OHM, 1%, 0.125W         91637         CRCW12065620FT           A5R6021         321-5018-00         RES, FXD, FILM: 562 OHM, 1%, 0.125W         91637         CRCW12065620FT           A5R6021         321-5018-00         RES, FXD, FILM: 562 OHM, 1%, 0.125W         91637         CRCW12065020FT           A5R6021         321-5036-00         RES, FXD, FILM: 500 OHM, 1%, 0.125W         91637         CRCW12061001FT           A5R6030         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW12061500FT           A5R6031         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW120639R2FT           A5R6033         321-5000-				RES, FXD, FILM: 33.2K OHM, 1%, 0.125W	91637	CRCW12063323FT
A5R5185 321-5027-00 RES, FXD, FILM: 5.62K, 1%, 0.125W 91637 CRCW12065621FT A5R5190 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063823FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R5192 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6030 321-5008-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063922FT A5R6031 321-5008-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW1206100FT A5R6040 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6051 321-5003-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6050 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW1206174R5FT				RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R5190 321-5048-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063323FT A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6192 321-5015-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5018-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW120616001FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5003-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12061740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT				RES, FXD, FILM: 5.62K, 1%, 0.125W	91637	CRCW12065621FT
A5R5191 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R5192 321-5045-00 RES, FXD, FILM: 68.1K, 1%, 0.125W 91637 CRCW120668R1FT A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6030 321-5008-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5042-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6051 321-5003-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6050 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT					91637	CRCW12063323FT
A5R5192         321-5045-00         RES, FXD, FILM: 68.1K, 1%, 0.125W         91637         CRCW120668R1FT           A5R6010         321-5015-00         RES, FXD, FILM: 562 OHM, 1%, 0.125W         91637         CRCW12065620FT           A5R6011         321-5015-00         RES, FXD, FILM: 562 OHM, 1%, 0.125W         91637         CRCW12065620FT           A5R6020         321-5018-00         RES, FXD, FILM: 1.00K OHM, 1%, 0.125W         91637         CRCW12061001FT           A5R6021         321-5036-00         RES, FXD, FILM: 33.2K OHM, 1%, 0.125W         91637         CRCW12063322FT           A5R6030         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW12061500FT           A5R6031         321-5042-00         RES, FXD, FILM: 39.2 OHM, 1%, 0.125W         91637         CRCW120639R2FT           A5R6032         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW12061500FT           A5R6033         321-5000-00         RES, FXD, FILM: 10 OHM, 1%, 0.125W         91637         CRCW120610R0FT           A5R6040         321-5000-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW120610R0FT           A5R6050         321-5011-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW12062740FT           A5R6052         321-5					91637	CRCW120668R1FT
A5R6010 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5042-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW120639R2FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6051 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT					91637	CRCW120668R1FT
A5R6011 321-5015-00 RES, FXD, FILM: 562 OHM, 1%, 0.125W 91637 CRCW12065620FT A5R6020 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5042-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW120639R2FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6051 321-5003-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT					91637	CRCW12065620FT
A5R6020 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1%, 0.125W 91637 CRCW12061001FT A5R6021 321-5036-00 RES, FXD, FILM: 33.2K OHM, 1%, 0.125W 91637 CRCW12063322FT A5R6030 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6031 321-5042-00 RES, FXD, FILM: 39.2 OHM, 1%, 0.125W 91637 CRCW120639R2FT A5R6032 321-5008-00 RES, FXD, FILM: 150 OHM, 1%, 0.125W 91637 CRCW12061500FT A5R6033 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6051 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6060 321-5043-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW12062740FT RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT					91637	CRCW12065620FT
A5R6021         321-5036-00         RES, FXD, FILM: 33.2K OHM, 1%, 0.125W         91637         CRCW12063322FT           A5R6030         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW12061500FT           A5R6031         321-5042-00         RES, FXD, FILM: 39.2 OHM, 1%, 0.125W         91637         CRCW120639R2FT           A5R6032         321-5008-00         RES, FXD, FILM: 150 OHM, 1%, 0.125W         91637         CRCW12061500FT           A5R6033         321-5000-00         RES, FXD, FILM: 10 OHM, 1%, 0.125W         91637         CRCW120610R0FT           A5R6040         321-5000-00         RES, FXD, FILM: 10 OHM, 1%, 0.125W         91637         CRCW120610R0FT           A5R6050         321-5011-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW12062740FT           A5R6052         321-5011-00         RES, FXD, FILM: 82.0 OHM, 1%, 0.125W         91637         CRCW120618R2FT           A5R6060         321-5043-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW12062740FT           A5R6060         321-5043-00         RES, FXD, FILM: 47.5K OHM, 1%, 0.125W         91637         CRCW120647R5FT					91637	CRCW12061001FT
A5R6030       321-5008-00       RES, FXD, FILM: 150 OHM, 1%, 0.125W       91637       CRCW12061500FT         A5R6031       321-5042-00       RES, FXD, FILM: 39.2 OHM, 1%, 0.125W       91637       CRCW120639R2FT         A5R6032       321-5008-00       RES, FXD, FILM: 150 OHM, 1%, 0.125W       91637       CRCW12061500FT         A5R6033       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6040       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6050       321-5011-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6052       321-5011-00       RES, FXD, FILM: 18.2 OHM, 1%, 0.125W       91637       CRCW120618R2FT         A5R6060       321-5043-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6060       321-5043-00       RES, FXD, FILM: 47.5K OHM, 1%, 0.125W       91637       CRCW120647R5FT					91637	CRCW12063322FT
A5R6031       321-5042-00       RES, FXD, FILM: 39.2 OHM, 1%, 0.125W       91637       CRCW120639R2FT         A5R6032       321-5008-00       RES, FXD, FILM: 150 OHM, 1%, 0.125W       91637       CRCW12061500FT         A5R6033       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6040       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6050       321-5011-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6051       321-5003-00       RES, FXD, FILM: 18.2 OHM, 1%, 0.125W       91637       CRCW120618R2FT         A5R6052       321-5011-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6060       321-5043-00       RES, FXD, FILM: 47.5K OHM, 1%, 0.125W       91637       CRCW120647R5FT					91637	CRCW12061500FT
A5R6032       321-5008-00       RES, FXD, FILM: 150 OHM, 1%, 0.125W       91637       CRCW12061500FT         A5R6033       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6040       321-5000-00       RES, FXD, FILM: 10 OHM, 1%, 0.125W       91637       CRCW120610R0FT         A5R6050       321-5011-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6051       321-5003-00       RES, FXD, FILM: 18.2 OHM, 1%, 0.125W       91637       CRCW120618R2FT         A5R6052       321-5011-00       RES, FXD, FILM: 274 OHM, 1%, 0.125W       91637       CRCW12062740FT         A5R6060       321-5043-00       RES, FXD, FILM: 47.5K OHM, 1%, 0.125W       91637       CRCW120647R5FT					91637	CRCW120639R2FT
A5R6033 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6040 321-5000-00 RES, FXD, FILM: 10 OHM, 1%, 0.125W 91637 CRCW120610R0FT A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6051 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT						
A5R6040         321-5000-00         RES, FXD, FILM: 10 OHM, 1%, 0.125W         91637         CRCW120610R0FT           A5R6050         321-5011-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW12062740FT           A5R6051         321-5003-00         RES, FXD, FILM: 18.2 OHM, 1%, 0.125W         91637         CRCW120618R2FT           A5R6052         321-5011-00         RES, FXD, FILM: 274 OHM, 1%, 0.125W         91637         CRCW12062740FT           A5R6060         321-5043-00         RES, FXD, FILM: 47.5K OHM, 1%, 0.125W         91637         CRCW120647R5FT						
A5R6050 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6051 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT						
A5R6051 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1%, 0.125W 91637 CRCW120618R2FT A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT						
A5R6052 321-5011-00 RES, FXD, FILM: 274 OHM, 1%, 0.125W 91637 CRCW12062740FT A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT						
A5R6060 321-5043-00 RES, FXD, FILM: 47.5K OHM, 1%, 0.125W 91637 CRCW120647R5FT						
THE				RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	
	A5R6061	321-5043-00			91637	CRCW120647R5FT

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A5R6062	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R6070	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R6071	321-5010-00		RES, FXD, FILM: 221 OHM, 1%, 0.125W	91637	CRCW12062210FT
A5R6072 A5R6073	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R6074	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R6100	321-5011-00 321-5043-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637 91637	CRCW12062740FT
A5R6101	321-5013-00		RES, FXD, FILM: 392 OHM, 1%, 0.125W	91637	CRCW120647R5FT CRCW12063920FT
A5R6102	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A5R6110	321-5013-00		RES, FXD, FILM: 392 OHM, 1%, 0.125W	91637	CRCW12063920FT
A5R6111	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A5R6112	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R6113	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R6114	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R6115	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A5R6116	321-5047-00		RES, FXD, FILM: 100K OHM, 1%, 0.125W	91637	CRCW12061003FT
A5R6117 A5R6120	321-5043-00 321-5013-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R6121	321-5036-00		RES, FXD, FILM: 392 OHM, 1%, 0.125W	91637	CRCW12063920FT
A5R6130	321-5015-00		RES, FXD, FILM: 33.2K OHM, 1%, 0.125W RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637 91637	CRCW12063322FT CRCW12065620FT
A5R6131	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6132	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6133	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6134	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6140	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R6141	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6142	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6143	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6150	321-5032-00		RES, FXD, FILM: 15.0K, 1%, 0.125W	91637	CRCW12061502FT
A5R6151	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R6160	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A5R6161 A5R6162	321-5023-00 321-5027-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W RES, FXD, FILM: 5.62K OHM, 1%, 0.125W	91637	CRCW12062741FT
A5R6163	321-5027-00		RES, FXD, FILM: 5.62K OHM, 1%, 0.125W	91637 91637	CRCW12065621FT CRCW12065621FT
A5R6170	321-5047-00		RES, FXD, FILM: 100K OHM, 1%, 0.125W	91637	CRCW12061003FT
A5R6171	321-5034-00		RES, FXD, FILM: 22.1K, OHM 1%, 0.125W	91637	CRCW12062212FT
A5R6172	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A5R6173	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R6174	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R6180	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A5R6181	321-5039-00		RES, FXD, FILM: 56.2K OHM, 1%, 0.125W	91637	CRCW12065622FT
A5R6182	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R6183	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A5R6184	321-5032-00		RES, FXD, FILM: 15.0K OHM, 1%, 0.125W	91637	CRCW12061502FT
A5R7020	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7021 A5R7030	321-5015-00 321-5021-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W RES, FXD, FILM: 1.82K OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7031	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637 91637	CRCW12061821FT CRCW120610R0FT
A5R7040	321-5004-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R7070	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R7071	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R7080	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R7081	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R7082	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R7083	321-5003-00		RES, FXD, FILM: 18.2 OHM, 1%, 0.125W	91637	CRCW120618R2FT
A5R7084	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R7090	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R7091	321-5022-00	•	RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A5R7092	321-5004-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R7100	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R7101 A5R7102	321-5035-00 321-5030-00		RES, FXD, FILM: 27.4K OHM, 1%, 0.125W RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12062742FT
A5R7110	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637 91637	CRCW12061002FT
A5R7120	321-5027-00		RES, FXD, FILM: 5.62K OHM, 1%, 0.125W	91637 91637	CRCW120647R5FT
A5R7121	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637 91637	CRCW12065621FT CRCW120610R0FT
A5R7122	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
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Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A5R7140	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7141	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7142	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7143	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7144	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R7150	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A5R7151	321-5049-00		RES, FXD, FILM: 1 MEG, 1%, 0.125W	91637	CRCW1206-1004FT
A5R7160	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637	CRCW12063921FT
A5R7161	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R7162	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A5R7163 A5R7164	321-5030-00 321-5011-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R7165	321-5049-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W RES, FXD, FILM: 1 MEG, 1%, 0.125W	91637 91637	CRCW12062740FT
A5R7166	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637	CRCW1206-1004FT
A5R7167	321-5027-00		RES, FXD, FILM: 5.62K, 1%, 0.125W	91637	CRCW12063921FT CRCW12065621FT
A5R7170	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R7171	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R7172	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064713111
A5R7173	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R7180	321-5049-00		RES, FXD, FILM: 1 MEG, 1%, 0.125W	91637	CRCW1206-1004FT
A5R7181	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637	CRCW12063921FT
A5R7182	321-5011-00		RES, FXD, FILM: 274 OHM, 1%, 0.125W	91637	CRCW12062740FT
A5R7183	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R7184	321-5034-00		RES, FXD, FILM: 22.1K, OHM 1%, 0.125W	91637	CRCW12062212FT
A5R7185	321-5038-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW12064752FT
A5R8010	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A5R8011	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R8021	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8022	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8023	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8030	321-5038-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW12064752FT
A5R8031	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R8032	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R8033 A5R8034	321-5017-00 321-5014-00		RES, FXD, FILM: 825 OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R8035	321-5021-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W RES, FXD, FILM: 1.82K OHM, 1%, 0.125W	91637	CRCW12064750FT
A5R8036	321-5017-00		RES, FXD, FILM: 1.825 OHM, 1%, 0.125W	91637 91637	CRCW12061821FT
A5R8040	321-5020-00		RES, FXD, FILM: 1.50K OHM, 1%, 0.125W	91637	CRCW12068250FT
A5R8041	321-5007-00		RES, FXD, FILM: 121 OHM, 1%, 0.125W	91637	CRCW12061501FT CRCW12061210FT
A5R8080	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8081	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8082	321-5030-00		RES, FXD, FILM: 10.0K, 1%, 0.125W	91637	CRCW12061002FT
A5R8090	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8091	321-5008-00		RES, FXD, FILM: 150 OHM, 1%, 0.125W	91637	CRCW12061500FT
A5R8092	321-5042-00		RES, FXD, FILM: 39.2 OHM, 1%, 0.125W	91637	CRCW120639R2FT
A5R8093	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8100	321-5008-00		RES, FXD, FILM: 150 OHM, 1%, 0.125W	91637	CRCW12061500FT
A5R8101	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R8110	321-5015-00		RES, FXD, FILM: 562 OHM, 1%, 0.125W	91637	CRCW12065620FT
A5R8111	321-5043-00		RES, FXD, FILM: 47.5K OHM, 1%, 0.125W	91637	CRCW120647R5FT
A5R8112	321-5010-00		RES, FXD, FILM: 221 OHM, 1%, 0.125W	91637	CRCW12062210FT
A5R8120 A5R8150	321-5030-00 321-5026-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R8160	321-5030-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A5R9030	321-5004-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A5R9040	321-5004-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R9051	321-5020-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120622R1FT
A5R9052	321-5020-00		RES, FXD, FILM: 1.50K, 1%, 0.125W	91637 91637	CRCW12061501FT
A5R9053	321-5020-00		RES, FXD, FILM: 1.50K, 1%, 0.125W	91637	CRCW12061501FT
A5R9090	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW12061501FT CRCW120610R0FT
A5R9091	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R9100	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A5R9110	321-5004-00		RES, FXD, FILM: 22.1 OHM, 1%, 0.125W	91637	CRCW120610R0F1
A5R9111	321-5005-00		RES, FXD, FILM: 27.4 OHM, 1%, 0.125W	91637	CRCW120627R4FT
A5U2040	156-5095-01		MICROCKT, LINEAR: OP AMP, LOW NOISE	80009	156-5095-01
A5U2060	119-3982-00		OSCILLATOR: VCO 600 - 1200 MHZ, TUNE VOLT	TK2314	
A5U2090	119-3980-00		FILTER, ELEC: BAND PASS, 5 SECTION, 915 MHZ	50140	5IB32-915/R57.8

Component Number	Tektronix Part Number	Serial No. Effective	Name & Description	Mfr. Code	Mfr.Part No.
A5U2080	156-6119-00		IC, LINEAR: BIPOLAR AMPLIFIER, 1.0 GHZ, 23 DB	24539	MSA-0886
A5U2100	119-3921-00		ATTENUATOR: PCB, WIDE BAND, 40DB, 100 - 2000 MHZ	24539	PPF-030
A5U2120	119-3981-00		FILTER, ELEC: LOW PASS, 6 SECTION, 629 MHZ 3DB	50140	61L21-629/R6292
A5U3020	156-5976-00		IC, DIGITAL:ECL, MISC; PHASE FREQUENCY DETECTOR	04713	MC12040FN
A5U3080	156-6119-00		IC, LINEAR: BIPOLAR AMPLIFIER, 1.0 GHZ, 23 DB	24539	MSA-0886
A5U3110	119-4070-00		MIXER, ELEC: BROAD BAND DOUBLE BALANCED	80009	
A5U4020	156-5978-00		IC, DIGITAL: ECL, MISC; DIVIDE BY 10/11 PRESCALER	04713	119-4070-00
A5U4050	156-5918-00	÷	IC, LINEAR: BIPOLAR, RF AMPLIFIER, 1.9 GHZ		MC12013FN
A5U4060	119-4027-00		MIXER, ELEC: RF/LO (20 - 1500) MHZ, LO DRIVE= 7DBM	62104	UPC1678G
A5U4090	156-5922-00		MICROCKT, LINEAR: BIPOLAR, RF AMPLIFIER	5X920	SMD-C2
A5U4100	156-5918-00			62104	UPC1675G
A5U4110	156-4013-00		IC, LINEAR: BIPOLAR, RF AMPLIFIER, 1.9 GHZ	62104	UPC1678G
A304110	150-4015-00		IC, LINEAR: BIPOLAR, AMPLIFIER; MICROWAVE,	24539	MSA-0520
A5U4150	156-5868-00		7.5DB, 2.5 GHZ		
			IC, LINEAR: BIPOLAR, VOLTAGE REFERENCE; POSITIVE	64155	LT102DCS8-10
A5U5160	156-5854-00		MICROCKT, LINEAR: DUAL PRECISION HIGH	51640	AD42356
A EL IE 4 0.0			SPEED, BIFET		
A5U5180	156-2051-00		MICROCKT, LINEAR: QUAD J FET	01295	TL074CD
A5U5181	156-5854-00		MICROCKT, LINEAR: DUAL PRECISION HIGH	51640	AD42356
• = 1 1			SPEED, BIFET		•
A5U6020	156-5977-00		IC, DIGITAL: ECL, MISC; DIVIDE BY 5/6 PRESCALER	04713	MC12009FN
A5U6030	156-5922-00		MICROCKT, LINEAR: BIPOLAR, RF AMPLIFIER	62104	UPC1675G
A5U6031	156-5838-00		MICROCKT, DGTL: BIPOLAR, 2.5 GHZ PRESCALER	62104	UPC585G
A5U6050	156-5838-00		MICROCKT, DGTL: BIPOLAR, 2.5 GHZ PRESCALER	62104	UPC585G
A5U6090	119-3983-00		OSCILLATOR: VCO, 850-1735 MHZ, TUNE VOLT	TK2314	
A5U6120	156-5019-00		IC, LINEAR: BIPOLAR, COMPARATOR; DUAL, SINGLE SUPPLY	01295	LM393D
A5U6130	156-5976-00		IC, DIGITAL:ECL, MISC; PHASE FREQUENCY DETECTOR	04713	MC12040FN
A5U6140	156-5221-00		IC, DIGITAL: ECL, FLIP FLOP; DUAL D-TYPE	04713	MC10H131FN
A5U6160	156-5480-00		IC, DIGITAL; HCCMOS, SHIFT REGISTER; 8-BIT	04713	MC74HC595AD
A5U6161	156-5440-00		MICROCKT, LINEAR: CMOS, D/A CONVERTER, 12-BIT	24355	AD7543JP
A5U6180	156-5019-00		IC, LINEAR: BIPOLAR, COMPARATOR: DUAL.	01295	LM393D
			SINGLE SUPPLY	01233	LIVIOSOD
A5U6181	156-5019-00		IC, LINEAR: BIPOLAR, COMPARATOR; DUAL,	01295	LM393D
A5U6182	156-5854-00		SINGLE SUPPLY		
			MICROCKT, LINEAR: DUAL PRECISION HIGH SPEED, BIFET	51640	AD42356
A5U7060	119-3982-00		OSCILLATOR: VCO 600 - 1200 MHZ, TUNE VOLT	TK2314	C706
A5U7070	156-5922-00		MICROCKT, LINEAR: BIPOLAR, RF AMPLIFIER	62104	UPC1675G
A5U7110	156-5095-01		MICROCKT, LINEAR: OP AMP, LOW NOISE	80009	156-5095-01
A5U7160	156-5019-00		IC, LINEAR: BIPOLAR, COMPARATOR; DUAL, SINGLE SUPPLY	01295	LM393D
A5U7180	156-5019-00		IC, LINEAR: BIPOLAR, COMPARATOR; DUAL, SINGLE SUPPLY	01295	LM393D
A5U8020	156-5976-00		IC, DIGITAL: ECL, MISC; PHASE FREQUENCY DETECTOR	04713	MC12040FN
A5U8040	156-5095-01		MICROCKT, LINEAR: OP AMP, LOW NOISE	80009	156-5095-01
A5U8100	156-5922-00		MICROCKT, LINEAR: BIPOLAR, RF AMPLIFIER	62104	UPC1675G
A5U8110	156-5928-00		IC, DIGITAL: ECL, COUNTER; 8-BIT BINARY		
			UP/DOWN. 1 GHZ	S0482	CXB1136Q
A5U8120	156-5480-00		IC, DIGITAL; HCCMOS, SHIFT REGISTER; 8-BIT	04710	MOZALIOFOEAD
A5U9080	156-5838-00		MICROCKT, DGTL: BIPOLAR, 2.5 GHZ PRESCALER	04713	MC74HC595AD
	. 55 5550 00		MICHOSKI, DOTE, DIFOLAN, 2.5 GHZ PRESCALER	02104	UPC585G

A6C3030 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3031 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18798 RPA10Z5U104Z50V A6C3041 281-0913-00 CAP, FXD, CER DI: 1000PF, 20%, 50V 04222 SA101C102MAA A6C3051 281-0909-00 CAP, FXD, CER DI: 0.0U2UF, 20%, 50V 04222 SA105C223MAA A6C3051 281-0913-00 CAP, FXD, CER DI: 0.0U2UF, 20%, 50V 04222 SA105C223MAA A6C4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4001 290-0974-00 CAP, FXD, CER DI: 0.0U2UF, 20%, 50V 04222 SA105C223MAA A6C4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4001 281-0770-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4010 281-0770-00 CAP, FXD, CER DI: 0.0UPF, 20%, 60VDC 55680 UVX1H100MAA A6C4002 281-0913-00 CAP, FXD, CER DI: 0.0UPF, 20%, 50VDC 404222 SA105C0223MAA A6C4010 281-0909-00 CAP, FXD, CER DI: 0.0UPF, 20%, 50VD 404222 SA101C102MAA A6C4012 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA101C102MAA A6C4012 290-0940-00 CAP, FXD, CER DI: 0.002F, 20%, 50V 04222 SA101C102MAA A6C4030 290-09860-00 CAP, FXD, CER DI: 0.002F, FXD, CER DI: 0.002F, FXD, CER DI: 0.002F, FXD, CER DI: 0.002F, FXD, CER DI: 0.000F, 20%, 10V 04222 SA105C0223MAA A6C4031 290-09860-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC2SVB47RM6X1 A6C4030 290-09860-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 10V 04222 SA105C023MAA A6C4031 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0201 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0201 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0201 152-0141-02 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 D0-35 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0201 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0201 152-0141-02 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 D0-35 SEMICOND DVD, DI: SW, SI, 30V, 150MA, D0-35 12999 NDP/263/TR A6CR0301 152-0051-00 SEMICOND DVD, DI:	Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A6C1010 281-0989-00 CAP, FXD, CER DI: 0.022UF, 10%, 50V 04222 SA105C223MAA A6C1002 281-0982-00 CAP, FXD, CERAMIC: M.C., 0.22UF, 10%, 50V 04222 SA105C223MAA A6C1012 280-0943-00 CAP, FXD, CERAMIC: M.C., 0.22UF, 10%, 50V 04222 SA105C223MAA A6C1011 280-0904-00 CAP, FXD, CER DI: 0.47UF, 5%, 50V 04222 SA105C223MAA A6C1012 280-1900-00 CAP, FXD, CER DI: 0.47UF, 5%, 50V 04222 SR305C474JAA A6C1014 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1014 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1015 280-1909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1020 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1020 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1020 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SR305C474JAA A6C1020 280-0943-00 CAP, FXD, CER DI: 0.022UF, 50-20%, 25V 1W344 KMC2SV847FM6XT A6C1022 281-0913-00 CAP, FXD, CER DI: 0.022UF, 50-20%, 25V 1W344 KMC2SV847FM6XT A6C1022 281-0913-00 CAP, FXD, CER DI: 0.022UF, 50-20%, 25V 1W344 KMC2SV847FM6XT A6C1022 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C1031 281-0919-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C1031 281-0919-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2010 281-0919-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2010 281-0919-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2020 281-0909-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2020 281-0909-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2020 281-0909-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10ZEU104ZSV9 A6C2020 281-0909-00 CAP, FXD, CER DI: 0.00ZUF, FXD, S0V 04222 SA105C223MAA A6C2012 281-0909-00 CAP, FXD, CER DI: 0.00ZUF, FXD, S0V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.00ZUF, FXD, S0V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.00ZUF, FXD, S0V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.0	A6	671-1443-00					671-1443-00
A6C1001 281-0962-00 CAP, FXD, CERAMIC: MLC, 0.22UF, 10%, 50V 04222 SA4062224KAA A6C1010 290-0943-00 CAP, FXD, CERAMIC: MLC, 0.22UF, 10%, 50V 04222 SA4062224KAA A6C1010 290-0943-00 CAP, FXD, CERAMIC: MLC, 0.22UF, 10%, 50V 04222 SA4062224KAA A6C1010 290-0943-00 CAP, FXD, CERD 10.047UF, 50-20%, 25V 10W34 KMC22WFATRISM: 1.047UF, 10W34 KMC					CAP, FXD, CER DI: 0.022UF, 20%, 50V		
ASC1010 290-0943-00 CAP, FXD. ELCTLT: 47UF. + 50-20%, 25V W344 KMC25VB477MBX11 ASC1011 283-0190-00 CAP, FXD. CERD 10. 047UF, 5%, 50V 04222 SR305C474JAA ASC1012 283-0190-00 CAP, FXD. CERD 10. 047UF, 5%, 50V 04222 SR305C474JAA ASC1012 283-0190-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SR305C474JAA ASC1013 281-0909-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SR305C474JAA ASC1014 281-0909-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SA105C223MAA ASC1014 281-0909-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SA105C223MAA ASC1022 290-0943-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SA105C223MAA ASC1022 281-0913-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SA105C223MAA ASC1022 281-0913-00 CAP, FXD. CERD 10. 042UF, 20%, 50V 04222 SA105C223MAA ASC2012 281-0913-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC1031 281-0919-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2012 281-0919-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2012 281-0919-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2024 ASC2021 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2024 ASC2021 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2024 ASC2021 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2024 ASC2021 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ASC2024 ASC2022 281-0909-00 CAP, FXD. CERD 10. 101UF, 50V, AXIAL 18796 RPA10Z5U104Z50V		281-0962-00					
A6C1011 283-0199-00 CAP FXD CERD 10. 47UF, 5%, 50V 4222 SA105C223MAA A6C1013 281-0999-00 CAP, FXD CERD 10. 47UF, 5%, 50V 4222 SA105C223MAA A6C1013 281-0999-00 CAP, FXD CERD 10. 47UF, 50%, 50V 4222 SA105C223MAA A6C1014 281-0909-00 CAP, FXD CERD 10. 022UF, 20%, 50V 4222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD CERD 10. 022UF, 20%, 50V 4222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD CERD 10. 022UF, 20%, 50V 4222 SA105C223MAA A6C1021 290-0943-00 CAP, FXD CERD 10. 022UF, 20%, 50V 4222 SA105C223MAA A6C1022 281-0913-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V AAC1022 281-0913-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V AAC1022 281-0913-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V AAC1022 281-0913-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V AAC2020 281-0913-00 CAP, FXD CERD 10. 022UF, 20%, 50V 40222 SA105C223MAA AC2020 281-0913-00 CAP, FXD CERD 10. 022UF, 20%, 50V 40222 SA105C223MAA A6C1032 281-0913-00 CAP, FXD CERD 10. 012UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2011 281-0913-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2021 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2011 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V A6C2011 281-0919-00 CAP, FXD CERD 10. 101UF, 50V, AXIAL 18796 RFA10Z5U104Z50V	A6C1002	281-0962-00			CAP, FXD, CERAMIC: MLC, 0.22UF, 10%, 50V		
A6C1012 283-0190-00 CAP, FXD, CER D1: 0.47UF, 5%, 50V 04222 SA105C223MAA A6C1014 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C1020 290-0943-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C1020 290-0943-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04223 SA105C223MAA A6C1020 290-0943-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04224 SA105C223MAA A6C1020 281-0913-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C1030 281-0913-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C1030 281-0913-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C1030 281-0913-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C2020 281-0909-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C2020 281-0909-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C2020 281-0909-00 CAP, FXD, CER D1: 0.11UF, 50V, AXIAL 18796 RFA1025U104250V A6C2020 281-0909-00 CAP, FXD, CER D1: 0.10UF, 50V, AXIAL 18796 RFA1025U104250V A6C2020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER D1: 0.022UF, 20%, 50V 04222 SA10	A6C1010	290-0943-00		,	CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V		
A6C1013 281-0909-00 CAP, FXD, CER DI: 0.022LF, 20%, 50V 04222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD, CER DI: 0.022LF, 20%, 50V 04222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD, CER DI: 0.022LF, 20%, 50V 04222 SA105C223MAA A6C1015 281-0909-00 CAP, FXD, CER DI: 0.022LF, 20%, 50V 04222 SA105C223MAA A6C1021 290-0943-00 CAP, FXD, CER DI: 0.022LF, 20%, 50V 04223 SA105C223MAA A6C1021 290-0943-00 CAP, FXD, CER DI: 0.02LF, 50V, AXIAL 18796 RA1022J010425DV A6C1023 281-0913-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1010425DV A6C1023 281-0913-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1010425DV A6C1031 281-0913-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1010425DV A6C1031 281-0919-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C2021 281-0919-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04223 SA105C223MAA A6C2021 281-0909-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1014Z5DV A6C2021 281-0909-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1014Z5DV A6C2021 281-0909-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZJ1014Z5DV A6C2021 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.02LF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.1LF, 10%, 100V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.1LF, 10%, 100V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZDIAACAA BC3001 281-0909-00 CAP, FXD, CER DI: 0.1LF, 50V, AXIAL 18796 RPA102ZDIAACAA BC3001 281-0909-00 CAP, FXD, CER DI: 0.0LF, 50V, AXIAL 18796 RPA102ZDIAACA	A6C1011	283-0190-00			CAP, FXD, CER DI: 0.47UF, 5%, 50V		
A6C1014 281-0090-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C1020 280-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04223 SA105C223MAA A6C1020 280-0943-00 CAP, FXD, CER DI: 0.11F, 50-20%, 25V 1W344 KMC25V947FM6X1: A6C1022 281-0913-00 CAP, FXD, CER DI: 0.11F, 50V, AXIAL 18796 RA6C1022 281-0913-00 CAP, FXD, CER DI: 0.11F, 50V, AXIAL 18796 RA6C1023 281-0913-00 CAP, FXD, CER DI: 0.11F, 50V, AXIAL 18796 RA6C1023 281-0913-00 CAP, FXD, CER DI: 0.11F, 50V, AXIAL 18796 RA1025U104250V A6C1030 281-0903-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA1025U104250V A6C1030 281-0903-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA1025U104250V A6C1030 281-0903-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA7025U104250V A6C1031 281-0903-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA7025U104250V A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA7025U104250V A6C2012 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA7025U104250V A6C2012 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RA7025U104250V A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C2012 281-0913-00 CAP, FXD, CER DI:	A6C1012	283-0190-00			CAP, FXD, CER DI: 0.47UF, 5%, 50V		
A6C1015 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C1022 290-0943-00 CAP, FXD, CERD II: 0.104F, 50-20%, 25V 10944 (MC25V9477M6XT) A6C1022 281-0913-00 CAP, FXD, CERD II: 0.114F, 50-20%, 25V 10944 (MC25V9477M6XT) A6C1023 281-0913-00 CAP, FXD, CERD II: 0.114F, 50V, AXIAL 18796 RPA1025U104250V A6C1023 281-0913-00 CAP, FXD, CERD II: 0.114F, 50V, AXIAL 18796 RPA1025U104250V A6C1023 281-0913-00 CAP, FXD, CERD II: 0.114F, 50V, AXIAL 18796 RPA1025U104250V A6C1031 281-0909-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18796 RPA1025U104250V A6C1031 281-0909-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18796 RPA1025U104250V A6C1031 281-0909-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18796 RPA1025U104250V A6C1031 281-0909-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18796 RPA1025U104250V A6C2010 281-0913-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18798 RPA1025U104250V A6C2010 281-0909-00 CAP, FXD, CERD II: 0.104F, 50V, AXIAL 18798 RPA1025U104250V A6C2010 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.02VF, FXD, CARD III: 0.004C220 A6C3002 281-0909-00 CAP, FXD, CERD II: 0.014F, FXD, VXXIAL 19796 RPA10220KAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.014F, FXD, VXXIAL 19796 RPA10220KAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.014F, FXD, VXXIAL 19796 RPA10220KAA A6C3002 281-0909-00 CAP, FXD, CERD II: 0.014F, FXD, VXXIAL 19796 RPA10220KAA A6C3002 281-0909-00 CAP,	A6C1013						
A6C1020 290-0943-00 CAP, FXD, CER DI. 0.1UF, 50-20%, 25V 1W344 A6C1021 291-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C1030 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C1030 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C1030 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C1031 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C1032 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2010 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2010 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2011 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0909-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C2021 281-0909-00 CAP, FXD, CER DI. 0.02UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 283-0157-02 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0913-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0913-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0913-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3003 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C3001 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C3001 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C3001 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C3001 281-0913-00 CAP, FXD, CER DI. 0.1UF, 50V, AXIAL 18796 A6C3001 281-0913-00 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3003 CAP, FXD, CER DI. 0.022UF, 20%, 50V 04222 SA105C							
ABC1022 281-0913-00 CAP, EXD, CERD ID: 0.11F, 50V, AXIAL 18796 RPA1025U104250V ABC1023 281-0913-00 CAP, EXD, CERD ID: 0.11F, 50V, AXIAL 18796 RPA1025U104250V ABC1023 281-0913-00 CAP, EXD, CERD ID: 0.11F, 50V, AXIAL 18796 RPA1025U104250V ABC1023 281-0913-00 CAP, EXD, CERD ID: 0.11F, 50V, AXIAL 18796 RPA1025U104250V ABC1031 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2010 281-0913-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2010 281-0913-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2010 281-0913-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2021 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2021 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2021 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0909-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0910-00 CAP, EXD, CERD ID: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0910-00 CAP, EXD, CERD ID: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3020 281-0910-00 CAP, EXD, CERD ID: 0.002UF, 20%, 50V 04222 SA105C223MAA BC3020 281-0910-00 CAP, EXD, CERD ID: 0.002UF, 20%, 50V 04222 SA105C223MAA BC3020 281-0910-00 CAP, EXD, CERD ID: 0.0000 CAP, E							
ABC1022 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104Z50V ABC1023 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104Z50V ABC1030 281-0913-00 CAP, EXD, CER DI: 0.0UF, 50V, AXIAL 18796 RPA1025U104Z50V ABC1032 281-0903-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC1032 281-0903-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC1032 281-0913-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC2012 281-0903-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC2012 281-0903-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 283-0167-02 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 283-0167-02 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0909-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0913-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3000 281-0913-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ABC3001 290-0947-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 290-0947-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00 CAP, EXD, CER DI: 0.000F, 20%, 50V 04222 SA105C223MAA ABC3001 281-0913-00							
ABC1022 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC1031 281-0903-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC1031 281-0903-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC1032 281-0913-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2010 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC2012 281-0903-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC2020 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC2020 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3001 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3001 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3001 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3002 281-0913-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3002 281-0913-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3002 281-0913-00 CAP, EXD, CER DI: 0.01F, 20%, 50VDC 5660 UVX1HI00MAA ABC30301 290-0944-00 CAP, EXD, CER DI: 0.1UF, 20%, 50VDC 5660 UVX1HI00MAA ABC30301 290-0944-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 290-0944-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 290-0944-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 290-0944-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 290-0944-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC3031 180-0950-00 CAP, EXD, CER DI: 0.100F, 20%, 50VD 04222							
ABC1030 281-0913-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC1032 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC1032 281-0913-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC1032 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC2011 281-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V ABC2021 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC20202 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC20202 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC20201 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC20202 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC3000 283-0167-02 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC3000 281-0759-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A105C223MAA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A1016A2CANA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A1016A2CANA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 \$A1016A2CANA ABC3002 281-0919-00 CAP, EXD, CER DI: 0.002UF, 20%, 50V 04222 \$A1016A2CANA ABC3001 290-0947-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00 CAP, EXD, CER DI: 0.00PF, 20%, 50V 04222 \$A1016A2CANA ABC3001 281-0919-00							
ABC1031 281-0909-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC20210 281-0913-00 CAP_RX0_CER DI: 0.022UF_20%_50V AXIAL 18796 RPA1025U104250V ABC20210 281-0913-00 CAP_RX0_CER DI: 0.1UF_50V_AXIAL 18796 RPA1025U104250V ABC2020 281-0909-00 CAP_RX0_CER DI: 0.1UF_50V_AXIAL 18796 RPA1025U104250V ABC2020 281-0909-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2021 281-0909-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2022 281-0909-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2022 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2020 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2020 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC2020 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC3020 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC3020 281-0919-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC3020 281-0913-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC3020 281-0913-00 CAP_RX0_CER DI: 0.022UF_20%_50V 04222 SA105C223MAA ABC3020 281-0913-00 CAP_RX0_CER DI: 0.1UF_50V_AXIAL 18796 RPA10Z5U104Z50V ABC3021 290-0943-00 CAP_RX0_CER DI: 0.1UF_50V_AXIAL 18796 RPA10Z5U104Z50V ABC3021 290-0943-00 CAP_RX0_CER DI: 0.1UF_50V_AXIAL 18796 RPA10Z5U104Z50V ABC3021 281-0913-00 CAP_RX0_CER DI: 0.00PF_20%_50V CV 24222 SA105C223MAA 2BC3021 281-0913-00 CAP_RX0_CER DI: 0.00PF_20%_50V CV 24222 SA105C223MAA 2BC3021 281-0913-00 CAP_RX0_CER DI: 0.00PF_20%_50V CV 24222 SA105C223MAA 2BC30							
ABC2010 2		and the second s					
A6C2010 291-0913-00 CAP, EXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C2012 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C2022 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C2022 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C3000 288-0167-02 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C3000 288-0167-02 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C3000 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA106C223MAA A6C3002 281-0909-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA10AC2023MAA A6C3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA10AC2023MAA A6C3002 281-0919-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA10AC2023MAA A6C3021 290-0974-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA10AC2023MAA A6C3021 290-0974-00 CAP, EXD, CER DI: 0.022UF, 20%, 50V 04222 SA10AC2023MAA A6C3020 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3030 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3030 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3030 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3030 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3001 281-0913-00 CAP, EXD, CER DI: 0.10F, 5							
ASC2011 281-0913-00 CAP FXD. CER DI: 0.1UF, 50V, AXIAL 18798 RPA10ZSU104ZSOV ASC2021 281-0909-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0909-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0909-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0909-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0909-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ASC2022 281-0975-00 CAP FXD. CER DI: 0.1UF, 50V, AXIAL 18796 PA10Z5U104Z50V ASC2032 281-0975-00 CAP FXD. CER DI: 0.1UF, 50V, AXIAL 18796 PA10Z5U104Z50V ASC2032 281-0975-00 CAP FXD. CER DI: 0.1UF, 50V, AXIAL 18796 PA10Z5U104Z50V ASC2032 281-0975-00 CAP FXD. CER DI: 0.1UF, 50V, AXIAL 18796 PA10Z5U104Z50V ASC2032 281-0975-00 CAP FXD. CER DI: 0.022UF, 20%, 50V 04222 SA10F104Z50V ASC2032 ASC							
A6C2020 281-0909-00 CAP_RXD_CER_DI: 0.022UF_20%_50V 04222 SA105C223MAA A6C2022 281-0909-00 CAP_RXD_CER_DI: 0.022UF_20%_50V 04222 SA105C223MAA A6C2002 281-0909-00 CAP_RXD_CER_DI: 0.01000 0422 SA105C223MAA A6C3002 281-0909-00 CAP_RXD_CER_DI: 0.01000 0422 SA105C223MAA A6C3002 281-0909-00 CAP_RXD_CER_DI: 0.01000 0422 SA105C223MAA A6C3002 281-0909-00 CAP_RXD_CER_DI: 0.020UF_20%_50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP_RXD_CER_DI: 0.020UF_20%_50V 04222 SA105C223MAA A6C3002 281-0909-00 CAP_RXD_CER_DI: 0.020UF_20%_50V 04222 SA105C223MAA A6C3021 290-0974-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3022 291-0973-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3022 291-0973-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3020 281-0913-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3030 281-0913-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3030 281-0913-00 CAP_RXD_CER_DI: 0.10000 04222 SA105C223MAA A6C3030 281-0913-00 CAP_RXD_CER_DI: 0.10000 0422 SA105C223MAA A6C3001 281-0913-00 CAP_RXD_CER_DI: 0.10000 0422 SA105C223MAA A6C3001 281-0913-00 CAP_RXD_CER_DI: 0.100000 0422 SA105C223MAA A6C3001 281-0913-00 CAP_RXD_CER_DI: 0.0000 0422 SA105C223MAA A6C3001 281-0913-00 CAP_RXD_CER_DI: 0.0000 0422 SA105C223MAA A6C3001 281-0913-00 CAP_RXD_CER_DI: 0.0000 0422 SA105C223MAA A6C4001 281-0913-00 CAP_R							
A6C2021 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3000 283-0167-02 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3000 283-0167-02 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3002 281-0758-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0758-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-093-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-093-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C3030 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C30301 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C3051 281-0999-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C3051 281-0999-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4001 290-09974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4001 290-09974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4001 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4001 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 HPA1025U104Z50V A6C4010 EAC4010 EAC4010 EAC4010 EAC4					CAP EXD CER DI: 0.022LIE, 20%, 50V		
A6C2022 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3001 281-0909-00 CAP, FXD, CER DI: 0.1UF, 10%, 100V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0919-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0919-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0919-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 281-0919-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3040 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3040 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 AFA10Z5U104Z50V A6C3040 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 AFA10Z5U104Z50V A6C3040 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA101C102MAA A6C3050 290-0920-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA101C102MAA A6C3050 290-0920-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA105C223MAA A6C4010 281-0770-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA105C223MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA101C102MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V A222 SA101C102MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 0.0022UF, 20%, 50V A222 SA101C102MAA A6C4011 281-0770-00 CAP, FXD, CER DI: 0.0022UF, 20%, 50V A222 SA101C102MAA A6C4011 281-0770-00 CAP, FXD, CER DI: 0.0022UF, 20%, 50V A222 SA101C102MAA A6C4011 281-070-00 CAP, FXD, CER DI: 0.002F, 20%, 50V A222 SA101C102MAA A6C4011 281-070-00 CAP, FXD, CER DI: 0.002F, 20%, 50V A222 SA101C102MAA A6C4011 281-070-00 CAP, FXD, CER DI: 0.002F, 20%, 50V A222 SA101C102MAA A6C4011 281-070-00 CAP, FXD, CER DI: 0.002F, 20%, 50V A222 SA101C102MAA A6C4011 182-096-00 CAP, FXD, CER DI: 0.002F, 20%, 50V A222 SA101C102MAA A6C4011 182-096-00					CAP FXD, CER DI: 0.022UF, 20%, 50V		
A6C3000 283-0167-02 CAP FXD CER DI: 0.10F.10%, 100V 04222 SA105C223MAA A6C3001 281-0909-00 CAP FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0910-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3020 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3040 291-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3040 291-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3041 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3041 291-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4001 290-09874-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4001 290-09874-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4011 281-0909-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4011 281-0909-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4011 281-0909-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4011 281-0909-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4012 280-0943-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4010 281-0913-00 CAP, FXD, CER DI: 0.10F, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4010 281-0913-00 CAP, FXD,							
ABC3001 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3002 281-0759-00 CAP, FXD, CER DI: 20PF, 10%, 100V 04222 SA101A220KAA ABC3020 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA101A220KAA ABC3021 290-0937-00 CAP, FXD, CER DI: 0.01UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3030 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3031 290-0934-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3031 290-0934-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3031 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3031 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3031 281-0909-00 CAP, FXD, CER DI: 0.10PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3041 281-0913-00 CAP, FXD, CER DI: 0.10PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4000 281-0913-00 CAP, FXD, CER DI: 0.02PZ, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CER DI: 0.02PZ, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4022 ABC4010 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V ABC4021 281-0913-00 CAP, FXD, CER DI: 0.002PF, 50V ABC4021 281-002PF, 50V ABC4021 281-002PF, 50V ABC4021 281-002PF, 50V ABC4021							SR301C104KAATR
A6C3002 281-0759-00 CAP, FXD, CER DI: 22PF, 10%, 100V 04222 SA105C223MAA A6C3020 281-0919-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C3022 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C3030 281-0913-00 CAP, FXD, CER DI: 0.11UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.11UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C30301 290-0943-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C30301 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C30301 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C3041 281-0770-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C3041 281-0770-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C3041 281-0770-00 CAP, FXD, CER DI: 0.02UF, 50-02%, 50V CAP, SMSVDC 1844 A6C4000 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4001 290-0974-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4002 281-0913-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-0770-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-070-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 A6C4010 281-070-00 CAP, FXD,						04222	SA105C223MAA
ABC3020 291-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA AC3021 290-0974-00 CAP, FXD, CER DI: 0.01UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC30303 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC30303 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC30301 290-0943-00 CAP, FXD, CER DI: 0.01UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC30301 290-0943-00 CAP, FXD, CER DI: 0.01UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC30301 281-09913-00 CAP, FXD, CER DI: 0.010PF, 20%, 100V 04222 SA101C102MAA AC3050 290-0920-00 CAP, FXD, CER DI: 0.000PF, 20%, 100V 04222 SA101C102MAA AC3050 281-0990-00 CAP, FXD, CER DI: 0.010PF, 20%, 50V 04222 SA105C223MAA AC4000 281-0913-00 CAP, FXD, CER DI: 0.010PF, 20%, 50V 04222 SA105C223MAA AC4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC4001 281-0970-00 CAP, FXD, CER DI: 0.01PF, 20%, 50V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CER DI: 0.01PF, 50V, AXIAL 18796 RPA10Z5U104Z50V AC4001 281-0970-00 CAP, FXD, CER DI: 0.00PF, 20%, 100V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CER DI: 0.00PF, 20%, 100V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CER DI: 0.00PF, 20%, 100V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CER DI: 0.00PF, 20%, 100V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CER DI: 0.02UF, 20%, 50V 04222 SA105C223MAA AC4001 281-0970-00 CAP, FXD, CELTLT: 4TUF, + 50-20%, 50V 04222 SA105C223MAA AC4001 281-090-00 CAP, FXD, CELTLT: 4TUF, + 50-20%, 50V 04222 SA105C223MAA AC4001 281-090-00 CAP, FXD, CELTLT: 4TUF, + 50-20%, 50V 04222 SA105C23MAA AC4001 290-0904-00 CAP, FXD, ELCTLT: 4DA, 50-20%, 10V 04222 SA105C223MAA AC4001 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 AC6C801 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 AC6C801 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 AC6C801 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 AC6C801 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 1					CAP, FXD, CER DI: 22PF, 10%, 100V		
ABC3022 281-0913-00 CAP, FXD, ELCTLT: 10UF, 20%, 50VDC 55680 UXX1H100MAA ABC3022 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC30301 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC30301 281-0913-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC25VB47RM6X1 ABC3040 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3040 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3050 290-0920-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3050 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC3050 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4001 281-0913-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0770-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.1UF, 50V, AXIAL 18796 RPA10ZSU104Z50V ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.022UF, 20%, 50V O4222 SA105C223MAA ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.022UF, 20%, 50V O4222 SA105C223MAA ABC4011 281-0909-00 CAP, FXD, CERD Di: 0.022UF, 20%, 50V O4222 SA105C223MAA ABC4011 281-0909-00 CAP, FXD, CELTLT: 100UF, + 50-20%, 50WVDC 1W344 KWC25VB47RM6X1 ABC4010 1281-0909-00 CAP, FXD, CELTLT: 100UF, + 50-20%, 50WVDC 1W344 KWC25VB47RM6X1 ABC4010 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABC7020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABC7020 152-0141-02 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5							SA105C223MAA
ABC3032 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC3031 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC3031 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC25VB47RM6X1 ABC30304 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC3041 281-0973-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC3041 281-0909-00 CAP, FXD, CER DI: 0.0UPF, 20%, 50V 04222 SA101C102MAA ABC3050 290-0920-00 CAP, FXD, CER DI: 0.0UPF, 20%, 50V 04222 SA105C223MAA ABC4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4001 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4010 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4011 281-0909-00 CAP, FXD, CER DI: 0.0UPF, 20%, 50V 04222 SA101C102MAA ABC4012 290-0943-00 CAP, FXD, CER DI: 0.0UPF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4012 290-0943-00 CAP, FXD, CER DI: 0.0UPF, 50V, S0V 04222 SA101C102MAA ABC4030 290-0950-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA101C102MAA ABC4030 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA101C102MAA ABC4030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR ABCR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR ABCR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR NDP/263/TR ABCR1020 152-0066-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 6828 GP10G-020 ABC3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 6828 GP10G-020 ABC3040 159-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 6828 GP10G-020 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 6828 GP10G-020 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 68282 F75060-012 ABJ3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G,						55680	UVX1H100MAA
ACC3030 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC3031 290-0943-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC3041 281-0970-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC3041 281-0970-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC3051 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA101C102MAA ACC3051 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ACC4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC401 281-0970-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC401 281-0970-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ACC401 281-0970-00 CAP, FXD, CER DI: 0.000PF, 20%, 100V 04222 SA105C223MAA ACC4012 281-0934-00 CAP, FXD, CER DI: 0.000PF, 20%, 100V 04222 SA105C223MAA ACC4011 281-0909-00 CAP, FXD, CER DI: 0.002UF, 20%, 50V 04222 SA105C223MAA ACC4031 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA105C223MAA ACC4031 290-0944-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA105C223MAA ACC4031 290-0944-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA105C223MAA ACC8030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ACC8020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ACC8020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ACC80301 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ACC80301 152-0951-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 ACC806-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35						18796	RPA10Z5U104Z50V
A6C30361 290-0943-00 CAP, FXD, CER Di. 1 UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C3041 281-0770-00 CAP, FXD, CER Di. 1000PF, 20%, 100V 04222 SA101C102MAA A6C3050 290-0920-00 CAP, FXD, CER Di. 1000PF, 20%, 50V 04222 SA101C102MAA A6C3051 281-0909-00 CAP, FXD, CER Di. 0.022UF, 20%, 50V 04222 SA101C102MAA A6C3051 281-0913-00 CAP, FXD, CER Di. 0.022UF, 20%, 50V 04222 SA106C223MAA A6C4000 281-0913-00 CAP, FXD, ELCTLT: 10UF, 20%, 50V CAP, FXD, CER DI: 0.022UF, 20%, 50V CAP, FXD, ELCTLT: 10UF, 50-20%, 50V CAP, FXD, ELCTLT: 47UF, 50-20%, 50V CAP, FXD						18796	RPA10Z5U104Z50V
A6C3040 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 MPA1025U104250V A6C3051 280-0920-00 CAP, FXD, CER DI: 10.00PF, 20%, 50V 04222 SA101C102MAA A6C3051 281-0903-00 CAP, FXD, ELCTLT: 33UF, + 50-20%, 35WVDC 18344 SM35VB33RM6X111 A6C4000 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V UVX1H100MAA A6C4002 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V A6C4011 281-0770-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V A6C4011 281-0970-00 CAP, FXD, CER DI: 0.00PF, 20%, 50V 04222 SA101C102MAA A6C4012 290-0943-00 CAP, FXD, CER DI: 0.002F, 20%, 100V 04222 SA105C23MAA A6C4012 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC25VB47RM6X1 A6C4030 290-0943-00 CAP, FXD, ELCTLT: 100UF, 50V, 20%, 10V 1W344 KMC25VB47RM6X1 A6C4030 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 1W344 KMC25VB47RM6X1 A6C4050 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 1W344 KMC25VB47RM6X1 A6C4050 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 1W344 KMC25VB47RM6X1 A6C4050 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12999 NDP/263/TR NDP/263/TR A6CR3030 152-0066-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D0-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D0-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D0-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, 5 SEC 75960-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD M						1W344	KMC25VB47RM6X11
ABC3041 281-0770-00 CAP, FXD, CER DI: 1000PF, 20%, 100V 04222 SA101C102MAA ABC3050 290-0920-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA ABC3051 281-0909-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 WX1H100MAA ABC4002 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4010 281-0909-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V ABC4010 281-0909-00 CAP, FXD, CER DI: 0.002UF, 20%, 50V 04222 SA101C10ZMAA ABC4011 281-0909-00 CAP, FXD, CER DI: 0.002UF, 20%, 50V 04222 SA101C10ZMAA ABC4011 281-0909-00 CAP, FXD, CER DI: 0.002UF, 20%, 50V 04222 SA101C10ZMAA ABC4012 290-0943-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50V 04222 SA101C10ZMAA ABC4031 290-0944-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50VVDC 1W344 ABC4031 290-0944-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50VVDC 1W344 ABC64031 290-0944-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50VVDC 1W344 ABC64031 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR ABCR2021 152-0951-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 NDC MET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 2556 75060-012 75060-012 75060-012 75060-012 75						18796	RPA10Z5U104Z50V
A6C3050 290-0920-00 CAP, FXD, ELCTLT: 33UF, + 50-20%, 55VVDC VAID SAI05C23MAA A6C4001 281-0913-00 CAP, FXD, CER DI: 0.022UF, 20%, 50VDC SAI05C23MAA A6C4001 290-0974-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V UXX1H100MAA A6C4002 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V UXX1H100MAA A6C4002 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104250V UXX1H100MAA A6C4001 281-09013-00 CAP, FXD, CER DI: 0.01UF, 50V, AXIAL 18796 RPA1025U104250V UXX1H100MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50VV 04222 SAI05C23MAA A6C4012 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50VV 04222 SAI05C23MAA A6C4030 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC25V847RM6X1 A6C4030 290-0944-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 10V 0J9R5 CEUSM1A221 A6C4030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3040 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3040 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D434 5082-2672 DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 GP10G-					CAP, FXD, CER DI: 1000PF, 20%, 100V		SA101C102MAA
A6C4000 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4000 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4001 290-0974-00 CAP, FXD, ELCTLT: 10UF, 20%, 50VDC 55680 UVX1H100MAA A6C4010 281-09770-00 CAP, FXD, CER DI: 0.10UF, 50V, AXIAL 18796 RPA1025U104Z50V A6C4010 281-09770-00 CAP, FXD, CER DI: 1000PF, 20%, 100V 04222 SA101C102MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 1000PF, 20%, 50V 04222 SA105C223MAA A6C4012 290-0943-00 CAP, FXD, ELCTLT: 10UF, + 50-20%, 55V 04222 SA105C223MAA A6C4032 290-0943-00 CAP, FXD, ELCTLT: 10UF, + 50-20%, 50VVDC 100444 SMS0VB101M10X2C CAP, FXD, ELCTLT: 20UF, + 50-20%, 50VVDC 100444 SMS0VB101M10X2C CAP, FXD, ELCTLT: 47UF, + 50-20%, 50VVDC 100444 SMS0VB10M10X2C CAP, FXD, ELCTLT: 47UF, 450-20%, 50VVDC 100444 SMS0VB10M10X2C CAP, FXD, ELCTLT: 47UF,					CAP, FXD, ELCTLT: 33UF, + 50-20%, 35WVDC	1W344	SM35VB33RM6X11L
A6C4000 281-0913-00 CAP, FXD, ELCTLT: 10UF, 250V, AXIAL 18796 RPA10Z5U104Z50V A6C4001 290-0974-00 CAP, FXD, ELCTLT: 10UF, 250V, AXIAL 18796 RPA10Z5U104Z50V A6C4010 281-0970-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4011 281-0909-00 CAP, FXD, CER DI: 1000PF, 20%, 100V 04222 SA101C102MAA A6C4012 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4012 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V UN344 KMC25VB47RM6X1 A6C4030 290-0950-00 CAP, FXD, ELCTLT: 10UF, + 50-20%, 50VVDC 1844 CMC25VB47RM6X1 A6C4030 290-0944-00 CAP, FXD, ELCTLT: 10UF, + 50-20%, 50VVDC 1844 CMC25VB47RM6X1 A6C4030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3030 152-0066-00 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, D0-35 A6CR3030 152-0066-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D0-35 A6CR3030 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A6F3060 159-0246-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 8009 131-1003-00 A6JG3020 13					CAP, FXD, CER DI: 0.022UF, 20%, 50V		
A6C4001 290-0974-00 CAP, FXD, ELCTLT: 10UF, 20%, 50VDC 55680 UVX1H100MAA A6C4002 281-0913-00 CAP, FXD, CER DI: 0.1UF, 50V, AXIAL 18796 RPA10Z5U104Z50V A6C4010 281-0970-00 CAP, FXD, CER DI: 1000PF, 20%, 100V 04222 SA101C102MAA A6C4011 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4030 290-0950-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50V 04222 SA105C223MAA A6C4031 290-0944-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50WVDC 1W344 SM50V8101M10X2C CAP, FXD, ELCTLT: 47UF, + 50-20%, 50WVDC 1W344 SM50V810M10X2C CAP, FXD, ELCTLT: 47UF, + 50-20%, 50WVDC 1W344 SM50V810M10X2C CAP, FXD, EL		281-0913-00			CAP, FXD, CER DI: 0.1UF, 50V, AXIAL		
A6C4010 281-0770-00 CAP, FXD, CER DI: 1000PF, 20%, 100V 04222 SA101C102MAA A6C4011 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4012 290-0943-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4030 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 KMC25VB47RM6X1 A6C4030 290-0944-00 CAP, FXD, ELCTLT: 100UF, + 50-20% 50WVDC 1W344 SM50VB101M10X20 CAP, FXD, ELCTLT: 220UF, + 50-20%, 10V 0J9R5 CEUSM1A221 A6C4050 290-0943-00 CAP, FXD, ELCTLT: 220UF, + 50-20%, 25V 1W344 KMC25VB47RM6X1 A6CR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR1030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTIKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTIKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTIKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 3.5A, 125V, 5 SEC 75915 25501.5 A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, 5 SEC 75915 25501.5 A6J3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, R	A6C4001	290-0974-00					
A6C4011 281-0909-00 CAP, FXD, CER DI: 0.022UF, 20%, 50V 04222 SA105C223MAA A6C4012 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 50WVDC 1W344 KMC25VB47RM6X1 290-0950-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC 1W344 SM50VB101M10X2C CAP, FXD, ELCTLT: 120UF, + 50-20%, 50WVDC 1W344 SM50VB101M10X2C CAP, FXD, ELCTLT: 220UF, + 50-20%, 50W DC 1W344 SM50VB101M10X2C CAP, FXD, ELCTLT: 47UF, + 50-20%, 50W DC 1W344 SM50VB101M10X2C CAP, FXD, ELCTLT: 47UF, + 50-20%, 50W DC 1W344 KMC25VB47RM6X1 A6CR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672 DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75060-012 A6J3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131	A6C4002	281-0913-00					
A6C4012 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 SM50VB101M10X2C A6C4030 290-0950-00 CAP, FXD, ELCTLT: 100UF, + 50-20% 50WVDC 1W344 SM50VB101M10X2C A6C4031 290-0944-00 CAP, FXD, ELCTLT: 22UF, + 50-20% 50WVDC 1W344 SM50VB101M10X2C A6C4031 290-0943-00 CAP, FXD, ELCTLT: 22UF, + 50-20%, 10V 0J9R5 CEUSM1A221 A6CA050 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 SM50VB101M10X2C A6CA050 290-0943-00 CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V 1W344 SM50VB101M10X2C A6CA050 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 D5828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 D5828 GP10G-020 A6CR3040 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC T5915 SE501.5 A6F4060 159-0246-00 FUSE, WIRE LEAD: 1.5A, 125V, FAST T5915 R25103.5T1 A6J3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 T5060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 T5060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 T5060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 T5060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 T5060-012 A6J3030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00	A6C4010	281-0770-00					
A6C4030 290-0950-00 CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC UP39R5 CEUSM1A221 290-0944-00 CAP, FXD, ELCTLT: 247UF, + 50-20%, 10V OJ9R5 CEUSM1A221 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR1030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3020 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D434 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D434 5082-2672 DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 159-0159-00 FUSE, WIRE LEAD: 3.5A, 125V, 5 SEC 75915 Z5501.5 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: C	A6C4011	281-0909-00					
A6C4031 290-0944-00	A6C4012	290-0943-00			CAP, FXD, ELCTLT: 47UF, + 50-20%, 25V		
A6C4050 290-0943-00							
A6CR1020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672  A6CR3020 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672  A6CR3030 152-0066-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672  A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 SEMICOND DV							
A6CR1030 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR2021 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672  A6CR3020 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, 50434 5082-2672  A6CR3030 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00							
A6CR2020 152-0141-02 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR NDP/263/TR A6CR3010 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR NDP/263/TR SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 12969 NDP/263/TR NDP/263/TR SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-34 SEMICOND DVD, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1					SEMICOND DVD, DI: SW, SI, 30V, 130WA, DO-35		
A6CR3020 152-0951-00 SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO-35 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 5082-2672 DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 R25103.5T1 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131					SEMICOND DVD, DI. SW, SI, SOV, 150MA, DO-35		
A6CR3010 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35  A6CR3020 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, DO-35  A6CR3030 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020  A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020  A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5  A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1  A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00  A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00					SEMICOND DVD, DI: SW, SI, 30V, 150MA, DO:35		
A6CR3020 152-0951-00 SEMICOND DVC, DI: SCHOTTKY, SI, 15V, 1.2PF, D0434 5082-2672  A6CR3030 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020  A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020  A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5  A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1  A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00  A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00  A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00							
A6CR3030 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PR					DO-35		
A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 2	A6CR3020	152-0951-00				50434	
A6CR3040 152-0066-00 SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41 05828 GP10G-020 A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 R25103.5T1 A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT,	A6CR3030	152-0066-00					
A6F3060 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5  A6F4060 159-0246-00 FUSE, WIRE LEAD: 3.5A, 125V, FAST 75915 R25103.5T1  A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012  A6JG2030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00  A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00  A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00					SEMICOND DVC, DI: RECT, SI, 400V, 1A, DO-41		
A6F4060         159-0246-00         FUSE, WIRE LEAD: 3.5A, 125V, FAST         75915         R25103.5T1           A6J2030         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3010         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3021         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3030         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3050         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3051         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3051         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6J3051         136-0252-07         SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H         22526         75060-012           A6JG2030         131-1003-00         CONN, RCPT, ELEC: CKT BD MT, 3 PRONG         80009         131-1003-00           A6JG3020         131-1003-00         CONN, RCPT, ELEC: CKT BD MT, 3 PRONG         80009         131-1003-00		159-0159-00					
A6J2030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3010 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6JG2030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00					FUSE, WIRE LEAD: 3.5A, 125V, FAST		
A6J3020 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3021 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6JG2030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00	A6J2030	136-0252-07					
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A6J3030 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6JG2030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00	A6J3020	136-0252-07					
A6J3050 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6J3051 136-0252-07 SOCKET, PIN CONN: SINGLE, PCB, T/G, 0.030 H 22526 75060-012 A6JG2030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00		136-0252-07					
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A6JG3010 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00	A6J3051						
A6JG3020 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00							
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A 6 1G3021 131-1003-00 CONN, HOP 1, FLECTOR LBD M1. 3 PHONG 00009 131-1003-00							
A6JG3030 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00	A6JG3021	131-1003-00					

AGLG3050	Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.	
ABJ.3961 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 0009 131-1003-00 OLR, RF, PKED, 27UH 0F-0838-00 COLL, RF, PKED, 27UH 1708-038-00 COLL, RF, PKED, 17UH 1708-038-00 COLL, RF, PKED, P	A6.IG3050	131-1003-00			CONN BORT FLEC: CKT RD MT 3 PRONG	80009	131-1003-00	_
A8L3040 109-0538-00 COLL, RF: FIXED, 2.7UH OJR03 109-0538-00 TK1442 B953-8H3, SX10X4 A8L4020 109-0538-00 COLL, RF: FIXED, 2.7UH OJR03 109-0538-00 OJR03 108-0538-00 OJR03 108-								
ABL4020 109-039-00 COIL, RF: FIXED, 27UH 0, URG 31 09-039-00 COIL, RF: FIXED, 100, URG 41 09-039-00 COIL, RF: FIXED, RF: VR. F								
ABL4020 109-0538-00 COLL, RF: FIXED, 2.7UH OUR SIDE OF TRANSCRIPT OF TRA								
ABL4060 109-0358-00 COLL, RF: FIXED, 2.7UH CONN, RG-70, SRF 27 MHZ CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 131-4922-00 CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 111-20265-2 X 20 CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 111-20265-2 X 20 CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 111-20265-2 X 20 CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 11-102655-2 X 20 CONN, RGPT, ELEC: BOX, PCB, FEMALE, RTANG, 2480 11-102655-2 X 20 CONN, RGPT, RGP, ST, DG-2 RGP, RGP, RGP, RGP, RGP, RGP, RGP, RGP,								
A6J-051 108-1283-00 COLL, RF: FXD, 10UH, 10%, Q =70, SRF 27 MHZ A6P5090 Z X 20 CONN, RGTP, ELEC: DOX, PCB, FEMALE, RTANG, 0779 1-102585-2 CONN, RGTP, ELEC: DOX, PCB, FEMALE, RTANG, 0779 1-102585-2 CONN, RGTP, ELEC: DOX, PCB, FEMALE, RTANG, 0779 1-102585-2 CONN, RGTP, ELEC: DOX, PCB, PCB, PCB, PCB, PCB, PCB, PCB, PCB	and the second s							
A6P5090 131-4922-00 CONN, RCPT, ELEC: BOX, PCB, FEMALE, RTANG, 0779 1-102585-2 2 X 20					COIL, RF: FIXED, 2./UH		_	
A603010 151-0188-00 TRANSISTOR: PNP, SI, TO-92 04713 2N3906 04603011 151-0188-00 RES, PXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1010 322-3437-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1011 322-3310-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1011 322-3310-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1011 322-3310-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1013 322-3310-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1013 313-1100-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W, TC =T0 57888 CRB20 PXE 16K5 A6R1013 313-1100-00 RES, FXD, FILM: 16, SK, OHM, 1%, 0,2W 57688 TRZ0LE1060 A6R1031 313-1102-00 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE1061 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, FXD, FILM: 16, OHM, 5%, 0,2W 57688 TRZ0LE10K0 RES, F								
A603011 151-0188-00 TRANSISTOR: PAP. SI, TO-92 04713 2N3906 A6R1000 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1011 322-3310-00 RES, FXD, FILM: 348K OHM, 1%, 0.2W, T C =T0 A6R1011 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 322-3310-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 313-132-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 313-132-00 RES, FXD, FILM: 16, SK OHM, 1%, 0.2W, T C =T0 A6R1013 313-132-00 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R1020 313-132-00 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R1031 313-110-00 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R1031 313-110-200 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R1031 313-110-200 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R2001 313-151-00 RES, FXD, FILM: 10, MM, 5%, 0.2W A6R2011 313-151-00 RES, FXD, FILM: 10, MM,	A6P5090	131-4822-00				00779	1-102585-2	
A603011 151-0188-00								
ABRIPO00 322-3310-00 RES, FXD, FILM: 45K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 ABRIPO11 322-3310-00 RES, FXD, FILM: 45K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 ABRIPO13 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 ABRIPO13 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 ABRIPO14 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 ABRIPO15 313-1100-00 RES, FXD, FILM: 34K OHM, 1%, 0.2W, T C = TO 57688 GRB20 FXE 16K5 RES FXD, FILM: 10 OHM, 5%, 0.2W 57688 FXD, FILM: 10 OHM, 5%, 0	A6Q3010	151-0188-00						
ABRITIOT 322-3437-00 RES, FXD, FILM: 436K OHM, 1%, 0.2W, TG-TD 57688 CRB20 FXE 346K ABRITIOT 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-TD 57686 CRB20 FXE 16K5 ABRITIOT 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-TD 57686 CRB20 FXE 16K5 ABRITIOT 322-3437-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-TD 57686 CRB20 FXE 16K5 ABRITIOT 313-1100-00 RES, FXD, FILM: 10.5K OHM, 1%, 0.2W, TG-TD 57686 CRB20 FXE 16K5 ABRITIOT 313-1100-00 RES, FXD, FILM: 10.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 10.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 10.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 10.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1100-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM, 5%, 0.2W 57686 RABITIOT 313-1101-00 RES, FXD, FILM: 11.5K OHM,	A6Q3011	151-0188-00			TRANSISTOR: PNP, SI, TO-92	04713	2N3906	
ABRITO11 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-T0 57686 GRB20 FXE 16KS ABRITO13 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-T0 57686 GRB20 FXE 16KS ABRITO13 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TG-T0 57686 GRB20 FXE 16KS ABRITO15 313-1100-00 RES, FXD, FILM: 34K OHM, 1%, 0.2W 57688 TREAUBEIGN ABRITO15 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO15 313-1100-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1102-00 RES, FXD, FILM: 110 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TREAUBEIGN ABRITO13 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57688 TRE	A6R1000	322-3310-00			RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TC=T0	57668		
ABRIPO102 322-3310-00 RES, FXD, FILM: 16.5K O.HM, 1%, 0.2W, T.GT0 57688 CRB20 FXE 16KS ABRIPO14 322-3437-00 RES, FXD, FILM: 16.5K O.HM, 1%, 0.2W, T.GT0 57686 CRB20 FXE 16KS ABRIPO14 322-3437-00 RES, FXD, FILM: 10.5K O.HM, 1%, 0.2W, T.GT0 57686 CRB20 FXE 348K ABRIPO15 313-1332-00 RES, FXD, FILM: 10.0HM, 5%, 0.2W 57686 TR20_UEIDE0 RES, FXD, FILM: 10.0HM, 5%, 0.2W 57686 TR20_UEIDE0 RES, FXD, FILM: 10.0HM, 5%, 0.2W 57686 RABRIPO15 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO15 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO15 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO16 RABRIPO16 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO17 313-1511-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1511-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 57686 RABRIPO18 313-1510-00 RES, FXD, FILM: 1510 OHM, 5%, 0.2W 5	A6R1010	322-3437-00			RES, FXD, FILM: 348K OHM, 1%, 0.2W, T C = T0	57668	CRB20 FXE 348K	
A6R1012 322-3310-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, T C = TO 57686 CR820 FXE 16K5 A6R1014 322-3437-00 RES, FXD, FILM: 346K OHM, 1%, 0.2W, T C = TO 57686 CR820 FXE 16K5 A6R1015 313-1100-00 RES, FXD, FILM: 346K OHM, 1%, 0.2W 57668 TR20_IE0160 A6R1020 313-1332-00 RES, FXD, FILM: 3.0K OHM, 5%, 0.2W 57668 TR20_IE03/3 A6R1020 313-1302-00 RES, FXD, FILM: 10.0HM, 5%, 0.2W 57668 TR20_IE03/3 TR20_IE03/3 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/3 A6R1031 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/3 A6R1031 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/3 A6R1031 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/3 A6R1031 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/4 A6R1032 313-1102-00 RES, FXD, FILM: 11.0HM, 5%, 0.2W 57668 TR20_IE03/4 A6R2001 313-1511-00 RES, FXD, FILM: 151.0HM, 5%, 0.2W 57668 TR20_IE03/4 A6R2003 322-3885-00 RES, FXD, FILM: 151.0HM, 5%, 0.2W 57668 TR20_IE03/4 A6R2012 313-151-00 RES, FXD, FILM: 100K OHM, 5%, 0.2W 57668 TR20_IE03/4 COMMAN 5%, 0.2W 57668 TR20_IE08/4 COMMAN 5%, 0.2W 57668 TR		322-3310-00				57668		
ASR1013 322-3437-00 RES, FXD, FILM: 16.5K OHM, 1%, 0.2W, TC =T0 57686 CRB20 FXE 16K5 ASR1015 313-1100-00 RES, FXD, FILM: 340K OHM, 1%, 0.2W 57686 TR20_LEI0S0 ASR1015 313-132-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEI0S0 ASR1021 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEI0S0 ASR1021 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEI0S0 ASR1031 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57686 TR20_LEI0K0 ASR1031 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57686 TR20_LEI0K0 ASR1031 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57686 TR20_LEI0K0 ASR2002 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2002 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2002 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2002 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR2012 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57686 TR20_LEISS10E ASR20						57668	CRB20 FXE 16K5	
A6R1014 322-3437-00 RES, FXD, FILM: 348K OHM, 1%, 0.2W, TC=T0 57666 TR20JEDI6EO A6R1020 313-1332-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JEDI6EO A6R1020 313-1320-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JEDI6EO A6R1030 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57668 TR20JEDI6EO A6R1030 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R1032 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R1032 313-1102-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R1032 313-1102-00 RES, FXD, FILM: 150 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2001 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2003 322-3385-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2003 322-3385-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-1511-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2013 313-151-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2023 313-1332-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2023 313-1430-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R2021 313-1430-00 RES, FXD, FILM: 44 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 44 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 44 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 44 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 44 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JEDI6YO A6R3013 313-1102-00 RES, FXD, FILM: 10 OH						57668		
A6R1015 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED3N3 A6R1021 313-1100-00 RES, FXD, FILM: 32 OHM, 5%, 0.2W 57688 TR20_ED3N3 A6R1021 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED3N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED3N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED3N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED1N0 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED1N0 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED1N0 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED1N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20_ED8N3 RES, FXD, FILM: 11 OHM, 5%, 0								
ABR1020 313-1102-00 RES. FXD. FILM: 3.3K OHM, 5%, 0.2W 57688 TREQUEIORO ABR1030 313-1102-00 RES. FXD. FILM: 1K OHM, 5%, 0.2W 57688 TREQUEIORO ABR1032 313-1102-00 RES. FXD. FILM: 1K OHM, 5%, 0.2W 57688 TREQUEIORO ABR1032 313-1102-00 RES. FXD. FILM: 1K OHM, 5%, 0.2W 57688 TREQUEIORO ABR1032 313-1102-00 RES. FXD. FILM: 1K OHM, 5%, 0.2W 57688 TREQUEIORO ABR2020 313-1511-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2020 313-1511-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2020 313-1103-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2021 313-1511-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2021 313-1511-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2021 313-1511-00 RES. FXD. FILM: 150 OHM, 5%, 0.2W 57688 TREQUEIORO ABR2013 313-1511-00 RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 510 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TREQUEIORO RES. FXD. FILM: 40 OHM, 5%, 0.2W 57688 TR		313-1100-00						
ABR1021 313-1102-00 RES, FAD, FILM: 10 CHM, 9%, 0.2W 57688 TR2QUEDITKO ABR1031 313-1102-00 RES, FAD, FILM: 1K CHM, 5%, 0.2W 57688 TR2QUEDITKO SABRO00 313-1511-00 RES, FAD, FILM: 1K CHM, 5%, 0.2W 57688 TR2QUEDITKO RES, FAD, FILM: 1K CHM, 5%, 0.2W 57688 TR2QUEDITKO RES, FAD, FILM: 510 OHM, 5%, 0.2W 57688 TR2QUEDITKO RES, FAD, FILM		313-1332-00	\$					
ABR1030 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20.E01K0 ABR1032 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20.E01K0 ABR1032 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20.E01K0 ABR2031 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E ABR2031 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E10K0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E10K0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E10K0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E10K0 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.E68810E RE		313-1100-00						
ABR1031 313-1102-00 RES. FXD. FILM: 1K OHM. 5%, 0.2W 57688 TR20_E01K0 ABR2020 313-1102-00 RES. FXD. FILM: 1K OHM. 5%, 0.2W 57688 TR20_E01K0 ABR2020 313-1511-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2020 313-1511-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2020 313-103-00 RES. FXD. FILM: 10K OHM. 5%, 0.2W 57688 TR20_E08510E ABR2010 313-1511-00 RES. FXD. FILM: 10K OHM. 5%, 0.2W 57688 TR20_E10K0 CRE20 FXE 100K ABR2011 313-1511-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E10K10 CHR 5%, 0.2W 57688 TR20_E08510E ABR2013 313-1511-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2013 313-1510-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2013 313-1510-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2020 313-1332-00 RES. FXD. FILM: 510 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2020 313-1320-00 RES. FXD. FILM: 3.K OHM. 5%, 0.2W 57688 TR20_E08510E ABR2022 313-1430-00 RES. FXD. FILM: 40 OHM. 5%, 0.2W 57688 TR20_E08510E ABR2023 313-1430-00 RES. FXD. FILM: 40 OHM. 5%, 0.2W 57688 TR20_E036X3 TR30_E036X3 TR30_E								
ABR2003 313-1511-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20_E68510E ABR2201 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_LE68510E ABR2201 313-1501-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20_LE68510E TR20_LE68510E RES_FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20_LE68510E RES_FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_LE68510E RES_FXD, F								
ABR2000 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_E68510E ABR2002 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20_E10K0 ABR2003 312-13103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20_E10K0 ABR2013 313-1511-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20_E10K0 ABR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_E10K0 ABR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_E10K0 ABR2013 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20_E08510E S7668								
AGR2001 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20LE68510E AGR2003 323-385-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20LE10K0 AGR2013 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20LE68510E AGR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2012 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2013 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2013 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2014 307-0526-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2013 313-1332-00 RES, FXD, FILM: 33K OHM, 5%, 0.2W 57688 TR20LE68510E AGR2013 313-1332-00 RES, FXD, FILM: 33K OHM, 5%, 0.2W 57688 TR20LE030K3 AGR2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE68510E AGR2033 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2033 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20LE6843E AGR2031 313-1430-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3031 313-1100-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3031 313-1100-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20LE610K0 AGR3011 313-130-00 RES, FXD, FILM: 11 OHM, 5%, 0.2W 57688 TR20LE610K0 AGR3011 313-130-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20LE610K0 AGR3031 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3031 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3031 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3031 313-1100-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20LE68510E AGR3033 313-1100-00 RES, FXD, FILM: 10								
ASR2002 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20.FE0K0 ASR2013 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20.FE0K0 ASR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20.FE6810E RAB20 FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE6810E RAB2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE6810E RAB2013 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE6810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE6810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE6810E RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20.FE0K3 ASR2013 313-1332-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K3 ASR2023 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K3 ASR2023 313-1430-00 RES, FXD, FILM: 40 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2033 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2033 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1102-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1102-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K4 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 ASR2031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K1 DES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K2 DESCAN ASR2031 313-1101-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20.FE0K2 DESCAN ASR2031 31								-
ARR2003 332-3385-00 RES, FXD, FILM: 100K OHM 19%, 0.2W 57668 TR20LEIGKO ARR2011 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20LEIGKO ARR2012 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20LEIGKO ARR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20LEIGKS10E ARR2013 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20LEIGKS10E ARR2014 307-0526-00 RES, TXTWK, FXD, FILS; 5.510 CHM, 10%, 0.125W 11238 75-61-RS10 OHM ARR2023 313-1332-00 RES, FXD, FILM: 33K OHM, 5%, 0.2W 57668 TR20LEIGKS3K3 ARR2021 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LEIGKS3K3 ARR2023 307-0526-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LEIGKS4 ARR2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LTGR445E ARR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LTGR445E ARR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LTGR445E ARR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LTGR445E ARR2030 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20LTGR445E ARR3000 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20LTGR45E ARR3010 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR45E ARR3011 313-1331-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR45E ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR45E ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR45E ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3013 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3031 313-1102-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3031 313-1101-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20LTGR51E0 ARR3033 313-1101								
ARR2010 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2012 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2013 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2014 307-0526-00 RES, NTWK, FXD, FILS, 510 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2020 313-1302-00 RES, NTWK, FXD, FILS, 510 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2021 313-1102-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2022 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2023 307-0526-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6843E ARR2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6843E ARR2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6843E ARR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6843E ARR3003 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6843E ARR3003 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20_JE6845E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE68510E ARR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE6010E ARR3030 300-J965-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE6010E ARR3030 300-J965-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20_JE6010E ARR3030 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20_JE6010E ARR3030 313-1510-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, TC =TO 57688								
ABR2012 313-1511-00 RES. FXD. FILM: 510 OHM. 59%, 0.2W 57688 TR20_IE88510E ABR2013 313-1510-00 RES. FXD. FILM: 510 OHM, 59%, 0.2W 57688 TR20_IE88510E ABR2013 313-1510-00 RES. FXD. FILM: 510 OHM, 59%, 0.2W 57688 TR20_IE88510E ABR2014 307-0528-00 RES. FXD. FILM: 510 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR2020 313-1332-00 RES. FXD. FILM: 33K OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR2021 313-1430-00 RES. FXD. FILM: 31K OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR2023 313-1430-00 RES. FXD. FILM: 410 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR2023 313-1430-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE843E ABR2031 313-1430-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE843E ABR2031 313-1430-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE843E ABR2031 313-1430-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE843E ABR2031 313-1430-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE843E ABR3001 313-1103-00 RES. FXD. FILM: 51 OHM, 59%, 0.2W 57688 TR20_IE843E ABR3001 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3010 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3012 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3013 313-1103-00 RES. FXD. FILM: 10 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3033 313-1103-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3033 313-1103-00 RES. FXD. FILM: 43 OHM, 59%, 0.2W 57688 TR20_IE8510 OHM ABR3033 313-1103-								
AGR2012 313-1511-00 RES, FXD, FILM: 51 O O+M, 5%, 0.2W 57688 TR20_LE86510E AGR2014 307-0526-00 RES, NTWK, FXD, F1: 5, 510 O+M, 10%, 0.125W 57688 TR20_LE86510E AGR2020 313-1302-00 RES, RXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2021 313-1102-00 RES, FXD, FILM: 31 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2021 313-1102-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2022 313-1430-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2023 307-0526-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2023 307-0526-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_LE03K3 AGR2024 313-1430-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_T6843E AGR2024 313-1430-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_T6843E AGR2031 313-1430-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_T6843E AGR3000 313-1510-00 RES, FXD, FILM: 43 O+M, 5%, 0.2W 57688 TR20_T6843E AGR3001 313-1102-00 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE85E AGR3001 313-1102-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE85E AGR3011 313-1102-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 AGR3011 313-1102-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 AGR3011 313-1102-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 AGR3011 313-1102-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 AGR3013 313-1103-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 AGR3013 313-1103-00 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 TR20_LE01K0 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE01K0 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE01K0 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 51 O+M, 5%, 0.2W 57688 TR20_LE03M2 RES, FXD, FILM: 249K O+M, 1%, 0.2W, TC =TO 57688 TR20_LE00M2 RES, FXD, FILM: 10 O+M, 5%, 0.2W 57688 T								
A6R2014 307-0526-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE681E0 A6R2020 313-1332-00 RES, FXD, FILM: 3.0X OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2020 313-1332-00 RES, FXD, FILM: 3.0X OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2021 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2023 307-0526-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2023 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E A6R2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E A6R2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 45 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE6843E RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3010 313-1102-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3011 313-1331-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE61K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6861E0 A6R3020 313-1101-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6861E0 A6R3030 308-085-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6861E0 A6R3030 308-085-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6861E0 A6R3030 308-0856-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60E RES, FXD, FILM: 51 OHM, 5%, 0.2W, T C = TO 57668 CRE20 FXE 2K49 A6R3043 313-1103-00								'
A6R2014 307-0526-00 RES, NTWK, FXD, F1: 5, 510 OHM, 10%, 0.125W 57668 TR20JE03K3 A6R2021 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE03K3 A6R2022 313-1430-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2023 307-0526-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE04K3E A6R2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3031 313-1430-00 RES, FXD, FILM: 45 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3000 313-1510-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3010 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3011 313-1331-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3011 313-1510-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1103-00 RES, FXD, FILM: 1S OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1510-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1510-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3014 313-1510-00 RES, FXD, FILM: 15 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3015 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE036E A6R3013 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE361E0 A6R3014 313-1511-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE06E A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE06E A6R3014 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1510-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C = TO 57668 CRB20 FXE 2K49 A6R3041 313-103-00 RES, FXD, FILM: 249K								
ABR2020 313-1322-00 RES, FXD, FILM: 3.3K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR2022 313-1430-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR2023 307-0526-00 RES, NTWK, FXD, FI: 5, 510 OHM, 10%, 0.125W 11236 750-61-R510 OHM ABR2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JE0843E ABR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR3000 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-103-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JT6851E0 ABR3010 313-1103-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-1331-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-1510-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3012 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE10M ABR3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57688 TR20JE00E ABR3030 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JE086510 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JE086510 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JE086510 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 1%, 0.2W 57688 TR20JE086510 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57688 RE20JE086510 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57688 RE20JE08651								
ABR2021 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JT6843E ABR2022 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR2031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-1102-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JT6843E ABR3001 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-130-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-1310-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-1310-00 RES, FXD, FILM: 30 OHM, 5%, 0.2W 57688 TR20JE01K0 ABR3011 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20JE10K0 ABR3013 313-1105-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57688 TR20JE10K0 ABR3013 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE10M ABR3014 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE10M ABR3014 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE10M ABR3014 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE681DE ABR3031 313-1430-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57688 TR20JE681DE ABR3031 313-1430-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57688 TR20JE6861DE ABR3031 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE6861DE ABR3031 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE6861DE ABR3031 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE6861DE ABR3031 313-1430-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57688 CRB20 FXE 2K49 ABR3034 313-1103-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57688 RE20JE100E ABR3034 313-1103-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57688 RE20JE100E ABR3034 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57688 TR20JE100E ABR3034 313-1103-00 RES, FXD,								
A6R2022 313-1430-00 RES, FXD, FILM: 49 OHM, 5%, 0.2W 57668 TR20JT6843E A6R2023 307-0526-00 RES, NTWK, FXD, FI: 5, 510 OHM, 10%, 0.125W 57668 TR20JT6843E A6R2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3000 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3001 313-1102-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3011 313-131-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3012 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10H A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10H A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-150-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1430-00 RES, FXD, FILM: 50 OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1430-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1430-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3031 313-1430-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3051 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3053 313-1500-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3053 313-1500-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10B A6R3053 3								
A6R2023         307-0526-00         RES, NTWK, FXD, FI: 5, 510 OHM, 10%, 0.125W         11236         750-61-R510 OHM           A6R2024         313-1430-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JT6843E           A6R2031         313-1430-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JT6843E           A6R3000         313-1510-00         RES, FXD, FILM: 10 OHM, 5%, 0.2W         57668         TR20JT6843E           A6R3001         313-1102-00         RES, FXD, FILM: 10 OHM, 5%, 0.2W         57668         TR20JE01K0           A6R3002         313-1103-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE01K0           A6R3011         313-1331-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE01K0           A6R3013         313-1105-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE30E           A6R3013         313-1510-00         RES, FXD, FILM: 10HM, 5%, 0.2W         57668         TR20JE30E           A6R3014         313-1510-00         RES, FXD, FILM: 10HM, 5%, 0.2W         57668         TR20JE6851E0           A6R3014         313-1510-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W         57668         TR20JE6851E0           A6R30203         313-1610-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W								
A6R2024 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3002 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3002 313-1102-00 RES, FXD, FILM: 11K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1102-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3013 313-1331-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3013 313-1510-00 RES, FXD, FILM: 330 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10K A6R3013 313-1105-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE1M A6R3014 313-1101-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE1M A6R3015 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3016 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3013 313-1430-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3013 313-1430-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3030 308-0365-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3031 313-1430-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1403-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 100 OH	A6R2022	313-1430-00						
A6R2030 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3001 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3002 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3010 313-1102-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3010 313-1102-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3011 313-1331-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE30E A6R3013 313-1510-00 RES, FXD, FILM: 330 OHM, 5%, 0.2W 57668 TR20JE330E A6R3013 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE330E A6R3013 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE330E A6R3013 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE351E0 A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE351E0 A6R3016 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE351E0 A6R3030 308-0365-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3030 308-0365-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3052 313-1430-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1101-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3053 313-1103-00	A6R2023	307-0526-00			RES, NTWK, FXD, FI: 5, 510 OHM, 10%, 0.125W			
A6R2031         313-1430-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JT6843E           A6R3000         313-1510-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3001         313-1102-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE01K0           A6R3010         313-1102-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3011         313-1331-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE330E           A6R3012         313-1510-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3013         313-1105-00         RES, FXD, FILM: 10H OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3014         313-1101-00         RES, FXD, FILM: 10H OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3015         313-1510-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3020         313-1101-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3030         308-0365-00         RES, FXD, FILM: 50 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R30304         322-3231-00         RES, FXD, FILM: 40 OHM, 5%, 0.2W </td <td>A6R2024</td> <td>313-1430-00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	A6R2024	313-1430-00						
A6R3000 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3001 313-1102-00 RES, FXD, FILM: 11K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3010 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3010 313-1331-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3011 313-1331-00 RES, FXD, FILM: 310 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3012 313-1510-00 RES, FXD, FILM: 310 OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1510-00 RES, FXD, FILM: 11M OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3013 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE1M A6R3014 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE16M A6R3016 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3016 313-1510-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE00E A6R3030 308-0365-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE00E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE00E A6R3041 308-0365-00 RES, FXD, FILM: 249K OHM, 5%, 0.2W 57668 TR20JE00E A6R3041 308-0365-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3053 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3052 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3051 313-1103-00 RES, FXD, FILM: 249K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3052 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3051 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3053 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3051 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE00E A6R3051 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 313-1103-00 RES, FXD, FILM	A6R2030	313-1430-00			RES, FXD, FILM: 43 OHM, 5%, 0.2W		TR20JT6843E	
A6R3001 313-1103-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3010 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3011 313-1331-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE30E A6R3012 313-1510-00 RES, FXD, FILM: 330 OHM, 5%, 0.2W 57668 TR20JE330E A6R3013 313-1105-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10M A6R3014 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10M A6R3015 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10M A6R3016 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E A6R3020 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E A6R3031 313-1430-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE300E A6R3040 322-3231-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3044 313-120-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE0K0 A6R3053 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE0K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE0K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE0K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FI	A6R2031	313-1430-00			RES, FXD, FILM: 43 OHM, 5%, 0.2W	57668	TR20JT6843E	
A6R3012 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3011 313-1331-00 RES, FXD, FILM: 11K OHM, 5%, 0.2W 57668 TR20JE30C A6R3012 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE330E A6R3013 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3014 313-1101-00 RES, FXD, FILM: 11M OHM, 5%, 0.2W 57668 TR20JE1M A6R3015 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3016 313-1511-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3020 313-1101-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3030 308-0365-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3052 313-1430-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE0ZKO A6R3053 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE0ZKO A6R3053 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE0ZKO A6R3053 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FI	A6R3000	313-1510-00	•					
A6R3010 313-1102-00 RES, FXD, FILM: 1K OHM, 5%, 0.2W 57668 TR20JE01K0 A6R3011 313-1331-00 RES, FXD, FILM: 330 OHM, 5%, 0.2W 57668 TR20JE330E A6R3012 313-1510-00 RES, FXD, FILM: 310 OHM, 5%, 0.2W 57668 TR20JE1M A6R3013 313-1105-00 RES, FXD, FILM: 1M OHM, 5%, 0.2W 57668 TR20JE1M A6R3014 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3015 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10DE A6R3016 313-1511-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3020 313-1101-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE6843E A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 TR20JE10K0 A6R3043 313-1101-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1101-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 313-1101-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3052 313-1430-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3053 313-1101-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1101-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE60K0 A6R3053 313-1101-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60K0 A6R3053 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE60K0 A6R3054 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE60K0 A6R3054 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE60K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE60K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W	A6R3001	313-1102-00			RES, FXD, FILM: 1K OHM, 5%, 0.2W	57668	TR20JE01K0	
A6R3011 313-1331-00 RES, FXD, FILM: 330 OHM, 5%, 0.2W 57668 TR20JE330E A6R3012 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE30E A6R3013 313-1105-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10M A6R3014 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3015 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E A6R3016 313-1511-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3020 313-1101-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3030 308-0365-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3050 313-1101-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3053 313-1101-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3053 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3054 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W	A6R3002	313-1103-00			RES, FXD, FILM: 10K OHM, 5%, 0.2W	57668	TR20JE10K0	
A6R3012 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3013 313-1105-00 RES, FXD, FILM: 1M OHM, 5%, 0.2W 57668 TR20JE1M A6R3014 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3015 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6851E0 A6R3016 313-1511-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3020 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 2.49K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3044 313-1202-00 RES, FXD, FILM: 2.49K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3053 313-1510-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3053 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R3053 313-1510-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10CE A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10CE A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10CE A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4010 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4011 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CE A6R4011 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10CO	A6R3010	313-1102-00			RES, FXD, FILM: 1K OHM, 5%, 0.2W	57668	TR20JE01K0	
A6R3012 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE1M A6R3013 313-1105-00 RES, FXD, FILM: 1M OHM, 5%, 0.2W 57668 TR20JE1M A6R3014 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3015 313-1510-00 RES, FXD, FILM: 151 OHM, 5%, 0.2W 57668 TR20JE6851E0 A6R3016 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3020 313-1101-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE100E A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 3W TK2096 KM 300 1.5 OHM A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3041 308-0365-00 RES, FXD, FILM: 43 OHM, 5%, 3W TK2096 KM 300 1.5 OHM A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3044 313-1202-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3051 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10E A6R3053 313-1101-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE10E A6R3053 313-1510-00 RES, FXD, FILM: 10 OHM, 5%, 0.2W 57668 TR20JE10E A6R3053 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE10E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6851E0 A6R3054 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE6851E0 A6R3054 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE6851E0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 100 OHM, 5%	A6R3011	313-1331-00			RES, FXD, FILM: 330 OHM, 5%, 0.2W	57668	TR20JE330E	
A6R3013         313-1105-00         RES, FXD, FILM: 1M OHM, 5%, 0.2W         57668         TR20JE1M           A6R3014         313-1101-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W         57668         TR20JE100E           A6R3016         313-1511-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JE6851E0           A6R3020         313-1101-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W         57668         TR20JE100E           A6R3030         308-0365-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JE100E           A6R3041         313-1430-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JE100E           A6R3041         308-0365-00         RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0         57668         TR20JT6843E           A6R3042         322-3231-00         RES, FXD, FILM: 2.49K OHM, 5%, 3W         TK2096         KM 300 1.5 OHM           A6R3043         313-1103-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W, T C =T0         57668         CRB20 FXE 2K49           A6R3044         313-1202-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3050         313-1103-00         RES, FXD, FILM: 2.49K OHM, 1%, 0.2W         57668         TR20JE10K0           A6R3053         313-130-00         RES, FXD, FILM: 1	A6R3012	313-1510-00			RES, FXD, FILM: 51 OHM, 5%, 0.2W	57668	TR20JT6851E0	
A6R3014 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3015 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE685100 A6R3020 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3030 308-0365-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3031 313-1430-00 RES, FXD, WW: 1.5 OHM, 5%, 0.2W 57668 TR20JE643E A6R3040 322-3231-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE643E A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, WW: 1.5 OHM, 5%, 3W TK2096 KM 300 1.5 OHM A6R3043 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3044 313-1202-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W 57668 TR20JE10K0 A6R3052 313-1430-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W 57668 TR20JE10E A6R3053 313-150-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE10E A6R3054 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10E A6R3054 313-1103-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE10E A6R4000 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3015         313-1510-00         RES, FXD, FILM: 51 OHM, 5%, 0.2W         57668         TR20JT6851E0           A6R3016         313-1511-00         RES, FXD, FILM: 510 OHM, 5%, 0.2W         57668         TR20JE68510E           A6R3020         313-1101-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W         57668         TR20JE100E           A6R3030         308-0365-00         RES, FXD, WW: 1.5 OHM, 5%, 3W         TK2096         KM 300 1.5 OHM           A6R3041         313-1430-00         RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0         57668         TR20JT6843E           A6R3041         308-0365-00         RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0         57668         CRB20 FXE 2K49           A6R3042         322-3231-00         RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0         57668         CRB20 FXE 2K49           A6R3043         313-1103-00         RES, FXD, FILM: 10K OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3054         313-1202-00         RES, FXD, FILM: 2K OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3055         313-1101-00         RES, FXD, FILM: 100 OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3051         322-3231-00         RES, FXD, FILM: 43 OHM, 5%, 0.2W         57668         TR20JE10K0           A6R3053         313-1101-00         <		313-1101-00				57668	TR20JE100E	
A6R3016 313-1511-00 RES, FXD, FILM: 510 OHM, 5%, 0.2W 57668 TR20JE68510E A6R3020 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, WW: 1.5 OHM, 5%, 0.2W TK2096 KM 300 1.5 OHM RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3040 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R3051 322-3231-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 CRS20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3020       313-1101-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R3030       308-0365-00       RES, FXD, WW: 1.5 OHM, 5%, 0.2W       TK2096       KM 300 1.5 OHM         A6R3031       313-1430-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3040       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0       57668       CRB20 FXE 2K49         A6R3042       322-3231-00       RES, FXD, FILM: 2.49K OHM, 5%, 0.2W       TK2096       KM 300 1.5 OHM         A6R3043       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       CRB20 FXE 2K49         A6R3044       313-1202-00       RES, FXD, FILM: 2K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R3050       313-1101-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R3051       322-3231-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JE100E         A6R3053       313-1510-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3054       313-1103-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4000       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4010<							·	
A6R3030       308-0365-00       RES, FXD, WW: 1.5 OHM, 5%, 3W       TK2096       KM 300 1.5 OHM         A6R3031       313-1430-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3040       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3041       308-0365-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3042       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3043       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R3054       313-1202-00       RES, FXD, FILM: 2K OHM, 5%, 0.2W       57668       TR20JE100E         A6R3051       322-3231-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R3052       313-1430-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3053       313-1510-00       RES, FXD, FILM: 51 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R4000       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE100E         A6R4001       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
A6R3031 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3040 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, WW: 1.5 OHM, 5%, 3W TK2096 KM 300 1.5 OHM A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3044 313-1202-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE16843E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JT6845E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3040 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3041 308-0365-00 RES, FXD, WW: 1.5 OHM, 5%, 3W TK2096 KM 300 1.5 OHM A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3054 313-1202-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE100E A6R3053 313-1510-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JE0843E A6R3054 313-1101-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JE100E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE100E A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3041       308-0365-00       RES, FXD, WW: 1.5 OHM, 5%, 3W       TK2096       KM 300 1.5 OHM         A6R3042       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3043       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R3044       313-1202-00       RES, FXD, FILM: 2K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R3050       313-1101-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R3051       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3052       313-1430-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3053       313-1510-00       RES, FXD, FILM: 51 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3054       313-1103-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R4000       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4011       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4011       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       CRB20 FXE 2K49 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
A6R3042 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3050 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R4000 313-1103-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0					RES EXD WW: 15 OHM 5% 3W			
A6R3043 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R3044 313-1202-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3050 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3044 313-1202-00 RES, FXD, FILM: 2K OHM, 5%, 0.2W 57668 TR20JE02K0 A6R3050 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4011 313-1103-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3050 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R3051 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3051       322-3231-00       RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0       57668       CRB20 FXE 2K49         A6R3052       313-1430-00       RES, FXD, FILM: 43 OHM, 5%, 0.2W       57668       TR20JT6843E         A6R3053       313-1510-00       RES, FXD, FILM: 51 OHM, 5%, 0.2W       57668       TR20JT6851E0         A6R3054       313-1101-00       RES, FXD, FILM: 100 OHM, 5%, 0.2W       57668       TR20JE100E         A6R4000       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4010       322-3231-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0         A6R4011       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       CRB20 FXE 2K49         A6R4011       313-1103-00       RES, FXD, FILM: 10K OHM, 5%, 0.2W       57668       TR20JE10K0								
A6R3052 313-1430-00 RES, FXD, FILM: 43 OHM, 5%, 0.2W 57668 TR20JT6843E  A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0  A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E  A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0  A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0  A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 CRB20 FXE 2K49  A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3053 313-1510-00 RES, FXD, FILM: 51 OHM, 5%, 0.2W 57668 TR20JT6851E0 A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R3054 313-1101-00 RES, FXD, FILM: 100 OHM, 5%, 0.2W 57668 TR20JE100E  A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0  A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0  A6R4010 322-3231-00 RES, FXD, FILM: 10K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49  A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R4000 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R4001 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0 A6R4010 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C = T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R4010 322-3231-00 RES, FXD, FILM: 2.49K OHM, 1%, 0.2W, T C =T0 57668 CRB20 FXE 2K49 A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
A6R4011 313-1103-00 RES, FXD, FILM: 10K OHM, 5%, 0.2W 57668 TR20JE10K0								
	A6R4011 A6R4012	313-1151-00			RES, FXD, FILM: 10K OHM, 5%, 0.2V RES, FXD, FILM: 150 OHM, 5%, 0.2W	57668	TR20JE150E	

Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A6R4013	313-1103-00			RES, FXD, FILM: 10K OHM, 5%, 0.2W	57668	TR20JE10K0
A6R4020	313-1202-00			RES, FXD, FILM: 2K OHM, 5%, 0.2W	57668	TR20JE02K0
A6R4021	322-3184-00			RES, FXC, FILM: 806 OHM, 1%, 0.2W, TC=T0	57668	CRB20 FXE 806E
A6R4022	322-3301-00			RES, FXD, FILM: 13.3K OHM, 1%, 0.2W, T C = T0	57668	CRB20 FXE 13K3
A6R4030	313-1101-00			RES, FXD, FILM: 100 OHM, 5%, 0.2W	57668	TR20JE100E
A6R4040	308-0365-00			RES, FXD, WW: 1.5 OHM, 5%, 3W	TK2096	KM 300 1.5 OHM
A6U1000	156-0518-00			IC, DIGITAL: ECL, MISC, PHASE-FREQUENCY DETECTOR	04713	MC12040 (P OR L)
A6U1010	156-1156-00			MICROCKT, LINEAR: BIFET, OPNL AMPL	27014	LF356N (D/C 880)
A6U1020	156-1211-00			IC, MISC: BIFET, ANALOG SWITCH, QUAD	06665	SW-06
A6U2010	156-0860-00			IC, DIGITAL: ECL, RECEIVER, TRIPLE LINE	04713	MC10116P
A6U2020	156-0308-00			IC, DIGITAL: ECL, RECEIVER, QUAD DIFFERENTIAL	04713	MC10115L OR P
A6U2040	119-4064-00			OSCILLATOR, RF: 10.000MHZ, VCXO	27802	TCX035-28
A6U3000	156-3776-00			IC, DIGITAL: HCCMOS, MULTIVABRATOR, DUAL RETRIGGERABLE	0JR04	TC74HC4538P
A6U3020	156-1173-00			MICROCKT, LINEAR: VOLTAGE REFERENCE	04713	MC1403U
A6U3040	156-0071-00			IC, LINEAR: BIPLST, VOLTAGE REGULATOR, VARIABLE	04713	MC1723CP
A6U4000	156-1225-00			MICROCKT, LINEAR: DUAL COMPARATOR	01295	LM393P
A6U4010	156-0071-00			IC, LINEAR: BIPOLST, VOLTAGE REGULATOR, VARIABLE	04713	MC1723CP
A6W100	175-8803-00			CABLE ASSY, RF: 50 OHM COAX, 16.75 L, 6-2	80009	175-8803-00
A6W300	175-8488-00			CABLE ASSY, RF: 50 OHM COAX, 11.5 L, 6-1	80009	175-8488-00
A6W400	174-0665-00			CABLE ASSY, RF: 50 OHM COAX, 13.3 L	80009	174-0665-00
A6W410	175-8488-00			CABLE ASSY, RF: 50 OHM COAX, 11.5 L, 6-1	80009	175-8488-00
A6W420	174-0665-00			CABLE ASSY, RF: 50 OHM COAX, 13.3 L	80009	174-0665-00
A6W700	174-0665-00			CABLE ASSY, RF: 50 OHM COAX, 13.3 L	80009	174-0665-00

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Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A7	671-1442-02			CIRCUIT BOARD ASSEMBLY: OUTPUT	80009	671-1442-00
A7C1000 A7C1010	283-5195-00 283-5003-00			CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
A7C1010	283-5202-00			CAP, FXD, CER DI: 0.01UF, 10%, 50V CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206X103K2B04
A7C1021	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222 04222	W1206223K2B04
A7C1022	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04 W1206223K2B04
A7C1023	283-5003-00			CAP, FXD, CER DI: 0.01UF, 10%, 50V	04222	W1206X103K2B04
A7C1030	283-5187-00			CAP, FXD, CER DI: 15PF, 5%, 100V	04222	W1206C150J3B04
A7C1031	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C1032	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1033 A7C1040	283-5202-00 283-5279-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1041	290-5037-01			CAP, FXD: CERAMIC, 0.47UF, 10%, 50V CAP, FXD, ELCTLT: 10UF, 35V	04222	W1825X474K2B04
A7C1050	290-0950-00			CAP, FXD, ELCTLT: 100F, 35V CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	1 W344 1 W344	MVK35VC10RM5TP
A7C1051	290-5037-01	•		CAP, FXD, ELCTLT: 1000F, # 30-20 %, 50WVDC	1 W344	SM50VB101M10X20 MVK35VC10RM5TP
A7C1052	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1053	290-5037-01			CAP, FXD, ELCTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A7C1060	283-5196-00			CAP, FXD, CER DI: 47PF, 5%, 100V	04222	W1206C470J3B04
A7C1070	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1071	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1072	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1073 A7C1080	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1080	283-5202-00 290-5037-01			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C1082	283-5202-00			CAP, FXD, ELCTLT: 10UF, 35V CAP, FXD, CER DI: 0.022UF, 10%, 50V	1W344	MVK35VC10RM5TP
A7C1090	290-5037-01			CAP, FXD, ELCTLT: 10UF, 35V	04222 1W344	W1206223K2B04
A7C2000	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	MVK35VC10RM5TP W1206223K2B04
A7C2001	283-5195-00	,	•	CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
A7C2010	283-5107-00			CAP, FXD, CER DI: 22PF, 5%, 100V	04222	W1206C220J3B04
A7C2011	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C2022	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C2030	290-0950-00			CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	1W344	SM50VB101M10X20
A7C2031 A7C2040	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C2040 A7C2041	290-5037-01 283-5279-00			CAP, FXD, ELCTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A7C2050	290-0950-00			CAP, FXD: CERAMIC, 0.47UF, 10%, 50V CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	04222	W1825X474K2B04
A7C2060	283-5105-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	1W344 04222	SM50VB101M10X20
A7C2070	290-5037-01			CAP, FXD, ELCTLT: 10UF, 35V	1W344	W1825Z105Z2B04 MVK35VC10RM5TP
A7C2080	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C2081	283-5107-00			CAP, FXD, CER DI: 22PF, 5%, 100V	04222	W1206C220J3B04
A7C2082	283-5107-00			CAP, FXD, CER DI: 22PF, 5%, 100V	04222	W1206C220J3B04
A7C2083	283-5107-00			CAP, FXD, CER DI: 22PF, 5%, 100V	04222	W1206C220J3B04
A7C2084	283-5107-00			CAP, FXD, CER DI: 22PF, 5%, 100V	04222	W1206C220J3B04
A7C2085 A7C2086	283-5005-00 283-5006-00			CAP, FXD, CER DI: 4PF, + /-0.25%, 50V	54583	C3216COG1H040C
A7C2087	283-5008-00			CAP, FXD, CER DI: 5PF, + /-0.25%, 50V CAP, FXD, CER DI: 12PF, 5%, 50V	54583	C3216COG1H050C
	283-5006-00			CAP, FXD, CER DI: 12PF, 5%, 50V	54583	C3216COG1H120J
	283-5202-00			CAP, FXD, CER DI: 0.022UF, 10%, 50V	54583 04222	C3216COG1H050C W1206223K2B04
	283-5236-00			CAP, FXD, CER DI: 3.0PF, 0.25%, 100V	04222	W1206223K2B04 W1206C3R0C3B04
A7C2183	283-5195-00			CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
	283-5203-00			CAP, FXD, CER DI: 1000PF, 10%, 100V	04222	W1206X102K2B04
	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
	290-0950-00			CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	1W344	SM50VB101M10X20
	290-0950-00			CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	1W344	SM50VB101M10X20
	283-5195-00 283-5195-00			CAP, FXD, CER DI: 10PF, 5%, 100V CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
	283-5195-00			CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
	283-5189-00			CAP, FXD, CER DI: 10PP, 5%, 100V	04222 04222	W1206C100J3B04
	285-0808-00			CAP, FXD, PLASTIC: 0.1UF, 10%, 50V	04099	W1206C221J3B04 EK13-16
	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
	283-5201-00			CAP, FXD, CER DI: 33PF, 5%, 100V	04222	W1206C330J3B04
	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
	283-5004-00			CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
	285-1466-00			CAP, FXD, PLASTIC: 2.2UF, 10%, 63V	84411	X665 2.2 10 63
	283-5105-00 283-5004-00			CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	04222	W1825Z105Z2B04
00000				CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A7C3060	283-5105-00		CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	04222	W1825Z105Z2B04
A7C3080	283-5005-00		CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	C3216COG1H040C
A7C3081	283-5005-00		CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	C3216COG1H040C
A7C3082	283-5005-00		CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	C3216COG1H040C
A7C3083	283-5005-00		CAP, FXD, CER DI: 4PF, + /-0.25PF, 50V	54583	C3216COG1H040C
A7C3084	283-5195-00		CAP, FXD, CER DI: 10PF, 5%, 100V	04222	W1206C100J3B04
A7C3085	283-5195-00		CAP, FXD, CER DI: 10PF, 5%, 100V	04222 1W344	W1206C100J3B04 MVK35VC10RM5TP
A7C3090	290-5037-01		CAP, FXD, ELCTLT: 10UF, 35V CAP, FXD, ELCTLT: 33UF, + 50/-20%, 35WVDC	1 W344	SM35VB33RM6X11LL
A7C4000	290-0920-00 283-5105-00		CAP, FXD, CER DI: 1UF, + 80/-20%, 50V	04222	W1825Z105Z2B04
A7C4010 A7C4011	283-5201-00		CAP, FXD, CER DI: 33PF, 5%, 100V	04222	W1206C330J3B04
A7C4011	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C4013	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C4020	283-5196-00		CAP, FXD, CER DI: 47PF, 5%, 100V	04222	W1206C470J3B04
A7C4021	290-0950-00		CAP, FXD, ELCTLT: 100UF, + 50-20%, 50WVDC	1W344	SM50VB101M10X20
A7C4022	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C4023	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C4030	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C4031	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C4032	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C4041	283-5003-00		CAP, FXD, CER DI: 0.01UF, 10%, 50V	04222	W1206X103K2B04
A7C4042	283-5279-00		CAP, FXD: CERAMIC, 0.47UF, 10%, 50V	04222	W1825X474K2B04
A7C4043	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C4044	290-1250-00		CAP, FXD, ELCTLT: 220MF, 20%, 50WVDC	55680	UVX1H221MPA
A7C4050	285-1466-00		CAP, FXD, PLASTIC: 2.2UF, 10%, 63V	84411	X665 2.2 10 63 W1206223K2B04
A7C4051	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222 04222	W1206223K2B04 W1206223K2B04
A7C4060	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	1W344	MVK35VC10RM5TP
A7C4070	290-5037-01		CAP, FXD, ELCTLT: 10UF, 35V CAP, FXD, CER DI: 220PF, 5%, 100V	04222	W1206C221J3B04
A7C4080	283-5189-00		CAP, FXD, CER DI: 220PF, 5%, 100V	04222	W1206C221J3B04
A7C4081 A7C4083	283-5189-00 283-5189-00		CAP, FXD, CER DI: 220PF, 5%, 100V	04222	W1206C221J3B04
A7C5010	290-0920-00		CAP, FXD, ELCTLT: 33UF, + 50/-20%, 35WVDC	1W344	SM35VB33RM6X11LL
A7C5020	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C5030	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5031	283-5004-00		CAP, FXD, CER DI: 0.1UF, 10%, 25V	04222	W1206X104K1B01
A7C5040	290-1250-00		CAP, FXD, ELCTLT: 220MF, 20%, 50WVDC	55680	UVX1H221MPA
A7C5050	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5051	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5052	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5060	290-5037-01		CAP, FXD, ELCTLT: 10UF, 35V	1W344	MVK35VC10RM5TP
A7C5061	283-5202-00	•	CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5070	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5071	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222	W1206223K2B04
A7C5072	283-5202-00		CAP, FXD, CER DI: 0.022UF, 10%, 50V	04222 1W344	W1206223K2B04 MVK35VC10RM5TP
A7C5073	290-5037-01		CAP, FXD, ELCTLT: 10UF, 35V DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR1030	152-5018-00 152-5018-00		DIODE, SIG: 100V, 4NS, 2.0FF	27014	FDSO1203.SA
A7CR1031 A7CR1040	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR1040	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR2040	152-5010-00		DIODE, RECT: SCHTKY, 40V, 1A	04713	MBRS140T3
A7CR2041	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR2042	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR2043	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR2050	152-5027-00		DIODE, RECT: SCHTKY, 40V, 1A	04713	MBRS140T3
A7CR2051	152-5027-00		DIODE, RECT: SCHTKY, 40V, 1A	04713	MBRS140T3
A7CR2060	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR2090	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR3020	152-5027-00		DIODE, RECT: SCHTKY, 40V, 1A	04713	MBRS140T3
A7CR3040	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR3060	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR3090	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR4020	152-5027-00		DIODE, RECT: SCHTKY, 40V, 1A	04713	MBRS140T3
A7CR4030	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR4031	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7CR4050	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014 27014	FDSO1203.SA
A7CR4051	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	27014 27014	FDSO1203.SA FDSO1203.SA
A7CR5010	152-5018-00		DIODE, SIG: 100V, 4NS, 2.0PF	2/014	1 DOU 1203.3A

A7C185041 182-5018-00 DIODE_SIG: 100V_ANS_20PF	Component Number	Tektronix Part Number	Serial No. Effective	Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A7CR5090 152-5018-00 DIODE, SIG: 100V, ANS, 2.0PF 27014 FIDSO1203. A7CR5090 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 EC 75915 25501.5 PLODE, SIG: 100V, ANS, 2.0PF 27014 FIDSO1203. A7F3000 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 EC 75915 25501.5 A7F3007 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 EC 75915 25501.5 A7F3007 150-0159-00 MICROCKT, HYBRID: LINEAR POWER AMP 80009 158-2351-00 MICROCKT, HY	A7CR5040	152-5018-00			DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A778000 159-0159-00 PLUSE_WIRE LEAD: 1.5A, 128V, 5 SEC 75915 25501.2 A778000 159-0159-00 PLUSE_WIRE LEAD: 1.5A, 128V, 5 SEC 75915 25501.2 A778070 159-0159-00 PLUSE_WIRE LEAD: 1.5A, 128V, 5 SEC 75915 25501.2 A778070 156-0251-00 MICROCKT, HY9RID: LINEAR POWERA AMP 80009 168-2351-00 MICROCKT, HY9RID: LINEAR POWERA SEC 800000 168-2351-00 MICROCKT, HY9RID: LINEAR POWERA SEC 8000000000000000000000000000000000000		152-5018-00			DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7F5000 159-0159-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 25501.5 A7H50070 165-2351-00 MICROCKT, HYSHID: LINEAR POWER AMP 80009 170 MICROCKT, HYSHID: LINEA					DIODE, SIG: 100V, 4NS, 2.0PF	27014	FDSO1203.SA
A7F5000 159-0169-00 FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC 75915 165-2251-00 MICROCKT, HYSRID: LINEAR POWER AMP 80009 151-0252-07 SIGNET, HYSRID: LINEAR POWER AMP 80009 151-0252-07 SIGNET, PIN LINE LEC. 48 PIN CONTROLLED 00779 54973-1 MIPEDANCE MIPED		159-0159-00			FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC	75915	25501.5
A71HS3070   138-0764-00   SKT, PL.N ELEK: 48 PIN CONTROLLED   00779   54973-1		159-0159-00			FUSE, WIRE LEAD: 1.5A, 125V, 5 SEC		25501.5
A7J1000 138-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DlA 25528 75080-12 A7J3000 138-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DlA 25528 75080-12 A7J3000 138-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DlA 25528 75080-12 A7J3000 138-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DlA 25528 75080-12 A7J3000 131-0008-00 TERMINAL, PIN: PCB, 0.25 X 0.2481, PHOS BRZ 2528 A7J5082 131-0008-00 TERMINAL, PIN: PCB, 0.25 X 0.2481, PHOS BRZ 2528 A7J5082 131-0008-00 CONN, RCPT, ELEC: CKT BD MT, 3 PROMG 8009 131-1003-00 CONN,	A7H3070	165-2351-00			MICROCKT, HYBRID: LINEAR POWER AMP		165-2351-00
A7J3000 136-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DIA 22526 75060-12 A7J3090 136-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054DIA 22526 75060-12 A7J3090 131-0608-00 TERMINAL, PIN: PCB, 0.25 X 0.248L, PHOS BRZ 22526 42829-036 A7J5092 131-0608-00 TERMINAL, PIN: PCB, 0.25 X 0.248L, PHOS BRZ 22526 42829-036 A7J3090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, PRONG 80009 13		136-0764-00		•	IMPEDANCE	00779	54973-1
A7J.3090 139-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.0540IA 25268 75060-12 A7J.5090 131-080-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.0540IA 25268 75060-12 A7J.5090 131-080-00 TERMINAL, PIN: PCB, 0.25 X 0.248L, PHOS BRZ 2526 48283-036 A7J.5090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT							
A7,19390 139-0252-07 SOCKET, PIN CONN: SINGLE, 0.030H X 0.054012 2526 75060-12 A7,19390 131-0608-00 TERMINAL, PIN: PCB, 0.25 X 0.248L, PHOS BRZ 2526 48283-036 A7,19300 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT,							
A7,1989 131-9898-00 TERMINAL, PIN: PCB, 0.25 X 0.248L, PHOS BRZ 2526 48289-036 A7,19892 131-9898-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, REP. TCP, DCM, RCPT, PCD, CM, RCPT, PCD, RCPT, P							
A7J.6082 131-003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 CON. RCPT_ELEC: CKT BD MT. 3 PRONG 80009 131-1003-00 RELAY, REED: DPDT, 980, 6V 11532 712-6 ATL2070 108-0472-00 COLL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 4712-06 ATL2081 108-5108-00 COLL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 4712-06 COLL, RF: FXD, 15							
A7J.63000 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 131-1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7J.63030 148-0198-00 RELAY, REED; DPDT, 980, 8V 11532 712-6 A7J.63030 148-0198-00 RELAY, REED; DPDT, 980, 8V 11532 712-6 A7J.63030 108-5108-00 COL, RF; EXD, 680NH, */-10%, AXIAL LEAD UJR30 108-00-00 COL, RF; EXD, 680NH, */-10%, AXIAL LEAD UJR30 108-00-00 COL, RF; EXD, 280NH, */-10%, AXIAL LEAD UJR30 108-00-00 COL, RF; EXD, 280NH, */-10%, AXIAL LEAD UJR30 108-00-00 COL, RF; EXD, 280NH, */-10%, AXIAL LEAD UJR30 108-00-00 COL, RF; EXD, 150UH, */-10%, AXIAL LEAD U							
A7JG3090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A7JG3090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A7JG3090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A7JG3090 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 A7JG3090 148-0198-00 RELAY, REED: DPDT, 98Q, 6V 11532 712-6 A7JG3090 108-5108-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG30 108-072-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG30 108-072-00 COL, RF: FXD, 150UH, +/10% 20113 1008CS-806 A7JG309 108-5111-00 COL, RF: FXD, 150UH, +/10% 20113 1008CS-806 A7JG309 108-5111-00 COL, RF: FXD, 150UH, +/10% 20113 1008CS-806 A7JG309 108-548-00 COL, RF: FXD, 150UH, +/10% 20113 1008CS-806 A7JG309 108-548-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-072-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-072-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-5105-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-5105-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-5105-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 150UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/5% 20UH A7JG309 108-0472-00 COL, RF: FXD, 20UH A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/5% 20UH A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/5% 20UH A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/10%, AXIAL LEAD A7JG309 108-0472-00 COL, RF: FXD, 20UH, +/10%, AXIAL LEAD A7JG309 108-0472-							
A7J.03060 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 131-1003-00 CONN, RCPT, ELEC: CKT BD MT, 3 PRONG 80009 115-003-00 CONN, RCPT, ELEC: CKT BD MT, 4 PV, 200MA, 250MHZ A71040 TRANSISTOR, RCPT, AVO, 200MA, 250MHZ A71040 TRANSISTOR, RCPT, MCPT, BEAD A72040 TS-10-000-00 TRANSISTOR, RCPT, MCPT, MCPT, BEAD A72040 TS-10-000-00 TRANSISTOR, RCPT, MCPT, MCPT							
A7X(23030 13+1003-00 CONN, RCPT, ELEC; CKT BD MT, 3 PRONG 80009 131-1003-00 A7X(2080 148-0198-00 RELAY, REED; DPDT, 980, 6V 11532 712-6 A7X(2080 148-0198-00 COL, RF; FXD, 150UH, + /-10%, AXIAL LEAD 0.H30 108-5108-00 COL, RF; FXD, 150UH, + /-10% AXIAL LEAD 0.H30 108-508-00 COL, RF; FXD, 68NH, + /-10% 0.2113 1008CS-880 A7X(2081 108-5108-00 COL, RF; FXD, 68NH, + /-10% 0.2113 1008CS-880 A7X(2081 108-5112-00 COL, RF; FXD, 68NH, + /-10% 0.2113 1008CS-880 A7X(2080 108-5111-00 COL, RF; FXD, 22NH, + /-10% 0.2113 1008CS-880 A7X(2080 108-5111-00 COL, RF; FXD, 12NH, + /-10% 0.2113 1206CS-220 A7X(2080 108-5084-00 COL, RF; FXD, 12NH, + /-10% 0.2113 1206CS-220 A7X(2080 108-5084-00 COL, RF; FXD, 150UH, + /-10% AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 150UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 150UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0472-00 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.18UH, + /-10%, AXIAL LEAD 0.H30 108-0538-02 COL, RF; FXD, 0.27UH 0.H30 108-0538-02 COL, RF; FXD, 0.27UH 0.H30 108-0538-02 COL, RF; FXD, 0.27UH 0.H30 108-0538-0							
A7K2080							
A7K3080 148-0198-00 RELAY, REED: DPDT, 982, 9V 11592 712-6 A7L2070 108-0472-00 COIL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 0, JR30 108-0472-00 A7L2081 108-5108-00 COIL, RF: FXD, 68NH, + /-10% 02113 1008CS-880 A7L2082 108-5112-00 COIL, RF: FXD, 68NH, + /-10% 02113 1008CS-880 A7L2083 108-5111-00 COIL, RF: FXD, 68NH, + /-10% 02113 1206GS-282 A7L2083 108-5111-00 COIL, RF: FXD, 22NH, + /-10% 02113 1206GS-282 A7L2083 108-5111-00 COIL, RF: FXD, 12NH, + /-10% 02113 1206GS-282 A7L3030 108-1449-00 INDUCTOR: BOBBIN CORE, 33UH, 10% 54883 TSI,0807-33 A7L3075 108-0472-00 COIL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 0,JR30 108-0472-00 A7L3075 108-0472-00 COIL, RF: FXD, 0.18UH, + /-10%, AXIAL LEAD 0,JR30 108-0472-00 A7L3081 108-5105-00 COIL, RF: FXD, 0.18UH, + /-10%, AXIAL LEAD 0,JR30 108-0472-00 A7L3081 108-5105-00 COIL, RF: FXD, 0.18UH, + /-10% 02113 1008CS-180 A7L3082 108-5020-00 COIL, RF: FXD, 0.18UH, + /-10% 02113 1008CS-180 A7L3081 108-5105-00 COIL, RF: FXD, 0.18UH, + /-10% 02113 1008CS-180 A7L4080 108-5105-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 0.18UH, + /-10% 02113 1008CS-180 A7L4080 108-5105-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0538-02 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0472-00 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0538-02 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0538-02 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0538-02 COIL, RF: FXD, 2.7WH 100 (AVAIL LEAD 0,JR30 108-0538-02 COIL, RF: FXD,							
A7L2080 108-5108-00 COIL, RF: FXD, 150UH, + /-10% AXIAL LEAD 0.JR30 108-072-00 A7L2081 108-5108-00 COIL, RF: FXD, 68NH, + /-10% 02113 1008CS-68C A7L2082 108-5111-00 COIL, RF: FXD, 68NH, + /-10% 02113 1008CS-68C A7L2083 108-5111-00 COIL, RF: FXD, 28NH, + /-10% 02113 1206CS-22C A7L2083 108-5111-00 COIL, RF: FXD, 150UH, + /-10% 02113 1206CS-12C A7L2090 108-5084-00 COIL, RF: FXD, 150UH, + /-10% AXIAL LEAD 0.JR30 108-1449-00 INDUCTOR: BOBBIN CORE, 33UH, 10% 54583 TSL0807-33 A7L3030 108-1449-00 COIL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 27UH 0.JR30 108-0472-00 COIL, RF: FXD, 27UH 0.JR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 27UH 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 670HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 680HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 670HH, -/-10%, AXIAL LEAD 0.JR30 108-0472-00 COIL, RF: FXD, 670HH, -/-10%,							
A7L2081 108-5108-00 COIL_RF: FXD_68NH, + /-10% 02113 1008CS-686 A7L2082 108-5112-00 COIL_RF: FXD_68NH, + /-10% 02113 1206CS-22C A7L2083 108-5112-00 COIL_RF: FXD_22NH, + /-10% 02113 1206CS-22C A7L2083 108-5111-00 COIL_RF: FXD_12NH, + /-10% 02113 1206CS-22C A7L2090 108-5084-00 COIL_RF: FXD_12NH, + /-10% 02113 1206CS-22C A7L2091 108-5084-00 COIL_RF: FXD_12NH, + /-10% 02113 1206CS-22C A7L2093 108-1449-00 INDUCTOR: 80BBIN CORE, 33UH, 10% 54583 H-7VACB32 A7L3030 108-1449-00 COIL_RF: FXD_150UH, + /-10%, AXIAL_LEAD 0JR30 108-0472-00 A7L3075 108-0472-00 COIL_RF: FXD_0.018UH, + /-10%, AXIAL_LEAD 0JR30 108-0472-00 A7L3081 108-5105-00 COIL_RF: FXD_0.018UH, + /-10%, AXIAL_LEAD 0JR30 108-0472-00 A7L3082 108-5020-00 COIL_RF: FXD_0.018UH, + /-10%, AXIAL_LEAD 0JR30 108-0472-00 A7L4030 108-5038-02 COIL_RF: FXD_270H, + /-5% 02113 1008CS-27C A7L4000 108-0538-02 COIL_RF: FXD_270H, + /-5% 02113 1008CS-27C A7L4000 108-0538-02 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L4060 108-0472-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L4060 108-0538-02 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5021 108-5084-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5020 108-5085-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5020 108-5085-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-0538-02 A7L5020 108-5085-00 COIL_RF: FXD_270H, + /-10%, AXIAL_LEAD 0JR30 108-05							•
A7L2081 108-5108-00 COIL, RF: FXD, 88NH, + /-10% 02113 1096CS-26Z A7L2082 108-5111-00 COIL, RF: FXD, 12NH, + /-10% 02113 1206CS-22Z A7L2083 108-5111-00 COIL, RF: FXD, 12NH, + /-10% 02113 1206CS-12Z A7L2090 108-5084-00 COIL, RF: FXD, 12NH, + /-10% 02113 1206CS-12Z A7L2090 108-5084-00 COIL, RF: FXD, 12NH, + /-10% AXIAL LEAD 0JR30 108-1449-00 INDUCTOR: BOBBIN CORE, 33UH, 10% 54583 TSL0807-33 A7L3070 108-0472-00 COIL, RF: FXD, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FXD, 100H, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FXD, 100H, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FXD, 270HH, + /-10% 02113 1008CS-18Z A7L3081 108-5105-00 COIL, RF: FXD, 270HH, + /-5% 02113 1008CS-18Z A7L4030 108-0538-02 COIL, RF: FXD, 270HH, + /-5% 02113 1008CS-18Z A7L4030 108-1449-00 INDUCTOR: BOBBIN CORE, 33UH, 10% 54583 TSL0807-33 A7L4060 108-0472-00 COIL, RF: FXD, 270HH, + /-10%, AXIAL LEAD 0JR30 108-0538-02 COIL, RF: FXD, 270HH, + /-10%, AXIAL LEAD 0JR30 108-0538-02 COIL, RF: FXD, 270HH, + /-10%, AXIAL LEAD 0JR30 108-0538-02 COIL, RF: FXD, 270HH, - /-10%, AXIAL LEAD 0JR30 108-0538-02 COIL, RF: FXD, 270HH, - /-10%, AXIAL LEAD 0JR30 108-0538-02 COIL, RF: FXD, 270HH 070-0508-0508-0508-0508-0508-0508-0508-0							
A712082 108-5112-00 COIL, RF: FXD _22NH, + /-10% 2113 1206CS-22C A712090 108-5084-00 COIL, RF: FXD _12NH, + /-10% 2113 1206CS-12C A712090 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A713030 108-1449-00 INDUCTOR: BOBBIN CORE, AXIAL LEAD UR30 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FXD, 0.018UH, + /-10%, AXIAL LEAD UR30 108-0472-00 COIL, RF: FXD, 270NH, + /-5% Q2113 1008CS-180 A713082 108-502-00 COIL, RF: FXD, 270NH, + /-5% Q2113 1008CS-180 A714000 108-0538-02 COIL, RF: FXD, 270NH, + /-5% Q2113 1008CS-270 A714000 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 A714080 108-0472-00 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD UR30 108-0538-02 COIL, RF: FXD, 270NH UR							
A712093   108-5111-00							
A71,2090 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70AC832 A71,3070 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-143070 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FXD, 2010H, + /-10% AXIAL LEAD 0JR30 108-0472-00 COIL, RF: FXD, 2010H, + /-10% 02113 1008CS-180 A71,3081 108-5105-00 COIL, RF: FXD, 2010H, + /-10% 02113 1008CS-180 COIL, RF: FXD, 2070H, + /-5% 02113 1008CS-180 COIL, RF: FXD, 270H, + /-5% 02113 1008CS-180 COIL, RF: FXD, 270H, + /-5% 02113 1008CS-180 COIL, RF: FXD, 270H, + /-5% 02113 108-0472-00 COIL, RF: FXD, 270H 0JR03 108-0538-02 COIL, RF: FXD, 270H 0JR03 108-05472-00 COIL, RF: FXD, 270H 0JR03 108-05472-00 COIL, RF: FXD, 270H 0JR03 108-05472-00 COIL, RF: FXD, 270H 0JR03 108-0548-00 A7L5021 108-5084-00 COIL, RF: FXD, 270H 0JR03 108-0548-00 A7L5021 108-5084-00 COIL, RF: FXD, 270H 0JR03 108-0548-00 A7L5021 108-5084-00 COIL, RF: FXD, 270H 0JR03 108-0548-00 A7C1041 151-257-00 TRANSISTOR, FWR: MOS, P-CH, 80V, 20A 04713 MTH20P08 A7C1042 151-15001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 A7C1043 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 A7C2044 151-1500-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 RIFS540 A7C2044 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 RIFS540 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 RIFS540 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7C2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7C2040 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7C2040 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7C2040 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7C2040 151-5001			•				1206CS-120XK2B
A7L3030 108-1449-00							HF70ACB322513T
A7L3070 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 A7L3080 108-5105-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 A7L3081 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-180 A7L3082 108-502-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-180 A7L3082 108-502-00 COIL, RF: FXD, 2.7UH 0JR03 108-0538-02 COIL, RF: FXD, 2.7UH 0JR03 108-0538-02 A7L4080 108-0472-00 COIL, RF: FXD, 2.7UH 0JR03 108-0472-00 A7L4080 108-0472-00 COIL, RF: FXD, 2.7UH 0JR03 108-0538-02 A7L4080 108-0538-02 COIL, RF: FXD, 2.7UH 0JR03 108-0538-02 A7L5080 108-0538-02 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L4080 108-05472-00 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L5080 108-0538-02 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L5020 108-0588-02 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L5020 108-0588-02 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L5020 108-0588-02 COIL, RF: FXD, 2.7UH 0JR03 108-05472-00 A7L5020 108-5084-00 COIL, RF: FXD, 2.7UH 0JR03 108-0548-00 A7L5020 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7P7020 131-4822-00 CONN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY 0707 1-102685-2 A7Q1040 151-1257-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q1042 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q1042 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q1042 151-5000-00 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 1295 TIP31C A7Q2040 151-108-00 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 1295 TIP31C A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39041 A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39041 A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ							TSL0807-330K1R2
A7L3075 108-0472-00 COIL, RF: FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (A7L3080 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-180 (A7L3081 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-180 (A7L3082 108-5020-00 COIL, RF: FXD, 270NH, + /-5% 02113 1008CS-180 (A7L3082 108-5038-02 COIL, RF: FXD, 270NH, + /-5% 02113 1008CS-271 (A7L4000 108-0538-02 COIL, RF: FXD, 270NH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (A7L4080 108-0472-00 COIL, RF: FXD, 680NH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (COIL, RF: FXD, 680NH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (COIL, RF: FXD, 680NH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (COIL, RF: FXD, 680NH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 (COIL, RF: FXD, 2.70H 0JR30 108-0538-02 (COIL, RF: FXD, 2.70H 0JR							
A7L3080 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-18C A7L3081 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-18C A7L3082 108-5020-00 COIL, RF: FXD, 2.70H  0.180 0180 0180 0180 0253-02 COIL, RF: FXD, 2.70H 0.180 0180 0180 0180 0180 0180 0180 018					COIL RE: FIXED, 150UH, + /-10%, AXIAL LEAD		
A7L3081 108-5105-00 COIL, RF: FXD, 0.018UH, + /-10% 02113 1008CS-12f							1008CS-180-XK2A
A7L3082 108-5020-00							1008CS-180-XK2A
A7L4000 108-0538-02 COIL, RF; FXD, 2.7UH 0JR03 108-0538-02 A7L4080 108-0472-00 COIL, RF; FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0472-00 COIL, RF; FIXED, 150UH, + /-10%, AXIAL LEAD 0JR30 108-0572-03 108-0538-02 COIL, RF; FXD, 680NH, + /-10% AXIAL LEAD 0JR30 108-058-03 108-058-02 COIL, RF; FXD, 680NH, + /-10% 0Z113 108-058-03 108-058-02 COIL, RF; FXD, 2.7UH 0JR03 108-058-03 108-058-02 COIL, RF; FXD, 2.7UH 0JR03 108-058-03 108-058-02 COIL, RF; FERRITE CHIP BEAD 54583 HF70ACB32 A7L5021 134-822-00 CONN, BOX; PCB, FEMALE, 2 X 20, SIDE ENTRY 070 070 131-4822-00 TRANSISTOR, PWR: MOS, P-CH, 80V, 20A 04713 MTH20P08 A7Q1040 151-1257-00 TRANSISTOR, FIRST SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1043 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q1070 151-0476-00 TRANSISTOR, SIG: NPN, 51, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2040 151-5000-00 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2051 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2051 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2051 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2051 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2051 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2051 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q4050 151-0482-00 TRANSISTOR						02113	1008CS-271XJ2A
A7L4030 108-1449-00						0JR03	108-0538-02
A7L4080 108-5106-00 COIL, RF: FXD, 680NH, + /-10% 02113 1008CS-681 A7L5020 108-5088-02 COIL, RF: FXD, 2.7UH 0.IR03 108-0538-02 A7L5020 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 H770ACB32 A7L5021 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 H770ACB32 A7L5021 108-5084-00 COIN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY 0070 151-0476-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39047 M701041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39047 M701070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2040 151-161-01 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39047 M701070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2040 151-161-01 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 M702041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2050 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2050 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 TRANSISTOR, SIG: PNP, 40V, 200MA, 200MHZ 04713 MMBT39061 TRANSISTOR, SIG:					INDUCTOR: BOBBIN CORE, 33UH, 10%		TSL0807-330K1R2
A7L5000 108-0538-02 COIL, RF: FXD, 2.7UH 0JR03 108-0538-02 A7L5020 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7L5021 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7P7020 131-4822-00 CONN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY 0070 1-102585-2 A7C1040 151-1257-00 TRANSISTOR, PWR: MOS, P-CH, BOV, 20A 04713 MTH20P08 A7C1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7C1042 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1043 151-5001-00 TRANSISTOR, SIG: NPN, 81, 10-220, TIP31C, 100V, 3A 01295 TIP31C A7C1040 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7C1040 151-1611-01 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-1611-01 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906 A7C1040 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT3906 A7C1040 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT3906 A7C1040 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT3904 A7C1040 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT3906 TRANSISTOR, S	A7L4060	108-0472-00					108-0472-00
A7L5020 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7L5021 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7P7020 131-4822-00 COIN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY 0070 1-102585-2 A7Q1040 151-1257-00 TRANSISTOR, PWR: MOS, P-CH, 80V, 20A 04713 MTH20P08 A7Q1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1042 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1043 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2040 151-1161-01 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2041 151-5000-00 TRANSISTOR: PWR: MOS, N-CH, 100V, 28A 04713 IRF540 A7Q2041 151-5000-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2042 151-5000-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2043 151-5000-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2040 151-0482-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-5001-00 TRANSISTOR: SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT39061 A7Q2070 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4040 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-5001-00 TRANSISTOR: SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q		108-5106-00					1008CS-681-XK2A
A7L5021 108-5084-00 COIL, RF: FERRITE CHIP BEAD 54583 HF70ACB32 A7P7020 131-4822-00 CONN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY 0070 1-102585-2 A7Q1040 151-1257-00 TRANSISTOR, PWR: MOS, P-CH, 80V, 20A 04713 MTH20P08 A7Q1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q1042 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT3904 A7Q1043 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q1070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q1080 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2040 151-161-01 TRANSISTOR, PWR: MOS, N-CH, 100V, 28A 04713 IRF540 A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 TIP32C A7Q2070 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2070 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2070 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3906! A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904' A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904' A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904' A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904' A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904' A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 50V, 200MA, 300MHZ 04713 MMBT3904' A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 50V, 200MA, 200MHZ 04713 MMBT3904' A7Q5010 151-5030-00 TRANSISTOR, SIG: NPN, 50V, 200MA, 200MHZ 04713 MMBT3904' A7Q5041 151-5030-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MM							
A7P7020 131-4822-00 CONN, BOX: PCB, FEMALE, 2 X 20, SIDE ENTRY A7C1040 151-1257-00 TRANSISTOR, PWR: MOS, P-CH, 80V, 20A 04713 MMBT3904 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 151-0476-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 151-0476-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 151-0476-00 TRANSISTOR, SIG: NPN, 50V, 20V, 11P31C, 1100V, 3A 01295 TIP31C 100V, 3A 01295 TIP31C				•			HF70ACB322513T
A7Q1040 151-1257-00 TRANSISTOR, PWR: MOS, P-CH, 80V, 20A 04713 MMBT39061 A7Q1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q1042 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39041 A7Q1070 151-0476-00 TRANSISTOR, SIG: NPN, 81, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q1080 151-10476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2040 151-1161-01 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2041 151-5000-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2041 151-5000-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 TIP32C A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-5001-00 TRANSISTOR, SIG: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 TIP31C,100V, 3A 01295 TIP31C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 TIP31C,100V, 3A 01295 TIP31C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 TIP31C,100V, 3A 01295 TIP31C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 TIP31C,100V, 3A 01295 TIP31C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 TIP31C,100V, 3A 01295 TIP31C A7Q4060 151-0476-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT39061 TRANSISTO							
A7Q1041 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q1042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3904* A7Q1070 151-0476-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q1080 151-0476-00 TRANSISTOR, NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C A7Q2040 151-1161-01 TRANSISTOR, PWR: MOS, N-CH, 100V, 28A 04713 IRF540 A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q2090 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q3090 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 300MHZ 04713 MMBT3906! A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 04713 MMBT3904* A7Q5010 151-5000-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906* A7Q5040 151-5000-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906* A7Q5040 151-5000-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906* A7Q5041 151-5007-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906*							
A7Q1042 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39041 A7Q1070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2040 151-161-01 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2041 151-5000-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2090 151-5001-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047020 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C 04702000 TSANSISTOR: NPN, SI, TO-220 04713 MMBT39061 A7Q2090 151-5001-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C 04702000 TSANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C 0470200 TSANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 TIP32C 047Q4060 151-0482-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047Q4060 151-0482-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047Q4060 151-0482-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047Q5010 151-5001-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047Q5010 151-50476-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C 047Q5010 151-5030-00 TRANSISTOR: NPN, SI, TO-220 04713 MMBT39041 047Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C 047Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C 047Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A 01295 TIP31C 047Q5041 151-5030-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT39041 10000000000000000000000000000							MMBT3904T1/T2
A7Q1043         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904*           A7Q1070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q1080         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q2040         151-1161-01         TRANSISTOR, NPN, SI, TO-220, TIP31C,100V, 3A         04713         IRF540           A7Q2041         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2042         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2050         151-0406-00         TRANSISTOR: PNP, SI, TO-220         04713         MMBT3906I           A7Q2070         151-0476-00         TRANSISTOR: PNP, SI, TO-220         04713         MMBT3906I           A7Q2070         151-5001-00         TRANSISTOR: NPN, SI, TO-220         04713         MMBT3906I           A7Q3020         151-5001-00         TRANSISTOR: NPN, SI, TO-220         04713         MMBT3906I           A7Q3020         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q3020         151-5001-00         TRANSISTOR, SIG: NPN, 40V,							
A7Q1070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q1080         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q2040         151-1161-01         TRANSISTOR, NPN, SI, TO-220, TIP31C,100V, 3A         04713         IRF540           A7Q2041         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2042         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2050         151-0482-00         TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2070         151-0482-00         TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2070         151-0476-00         TRANSISTOR: SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2090         151-5001-00         TRANSISTOR: NPN, SI, TO-220         04713         MMBT3906I           A7Q3020         151-5001-00         TRANSISTOR: NPN, SI, TO-220, TIP31C, 100V, 3A         01295         TIP31C           A7Q4040         151-5001-00         TRANSISTOR: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q4050         151-0482-00							MMBT3904T1/T2
A7Q1080 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2040 151-1161-01 TRANSISTOR, PWR: MOS, N-CH, 100V, 28A 04713 IRF540 A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 TIP32C A7Q2051 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4060 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551I					TRANSISTOR: NPN. SI. TO-220. TIP31C.100V. 3A		
A7Q2040 151-1161-01 TRANSISTOR, PWR: MOS, N-CH, 100V, 28A 04713 IRF540 A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2043 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2043 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2051 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT39061 A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4070 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT39041 A7Q4070 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q5010 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5027-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 100MHZ 04713 MMBT39061					TRANSISTOR: NPN. SI. TO-220, TIP31C,100V, 3A		
A7Q2041 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2042 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2050 151-0482-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2051 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 TIP32C A7Q2051 151-5001-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2070 151-0476-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4060 151-0482-00 TRANSISTOR, SIG: NPN, 5I, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 100MHZ 04713 MMBT3906I A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 100MHZ 04713 MMBT						04713	IRF540
A7Q2042         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2043         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2050         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q2051         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906I           A7Q2090         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q3020         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q3020         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q4040         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q4050         151-0482-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904I           A7Q4060         151-0482-00         TRANSISTOR, PNP, SI, TO-220         04713         TIP32C           A7Q4070         151-0476-00         TRANSISTOR, PNP, SI, TO-220         04713         TIP31C           A7Q5010         151-5030-00         TRANSISTOR, SIG: PNP, 60V,						04713	MMBT3906LT1
A7Q2050 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q2051 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q2070 151-0476-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904I A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906I A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551						04713	MMBT3906LT1
A7Q2051 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906l A7Q2070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904l A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904l A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904l A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904l A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 TIP32C A7Q4070 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906l A7Q5041 151-5030-00 TRANSISTOR, SIG: NPN, 60V, 600MA, 200MHZ 04713 MMBT3906l A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT55511	A7Q2043	151-5000-00					MMBT3906LT1
A7Q2070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q4050 151-0482-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904 A7Q4060 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 250MHZ 04713 MMBT39061 A7Q5041 151-5030-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 200MHZ 04713 MMBT39061 A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT55511					TRANSISTOR: PNP, SI, TO-220		
A7Q2090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q3020 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q3090 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4040 151-5001-00 TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ 04713 MMBT3904* A7Q4050 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4060 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906! A7Q5041 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT3906! A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551							MMBT3906LT1
A7Q3020         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904           A7Q3090         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904           A7Q4040         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904           A7Q4050         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4060         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q5010         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT2907           A7Q5020         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906           A7Q5040         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT3907           A7Q5041         151-5027-00         TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ         04713         MMBT5551							
A7Q3090         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904           A7Q4040         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904           A7Q4050         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4060         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q5010         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT2907           A7Q5020         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906           A7Q5040         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT3907           A7Q5041         151-5027-00         TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ         04713         MMBT5551							
A7Q4040         151-5001-00         TRANSISTOR, SIG: NPN, 40V, 200MA, 300MHZ         04713         MMBT3904*           A7Q4050         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4060         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q5010         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT2907           A7Q5020         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906           A7Q5040         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT3907           A7Q5041         151-5027-00         TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ         04713         MMBT5551							
A7Q4050         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4060         151-0482-00         TRANSISTOR: PNP, SI, TO-220         04713         TIP32C           A7Q4070         151-0476-00         TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A         01295         TIP31C           A7Q5010         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT2907           A7Q5020         151-5000-00         TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ         04713         MMBT3906           A7Q5040         151-5030-00         TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ         04713         MMBT2907           A7Q5041         151-5027-00         TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ         04713         MMBT5551							
A7Q4060 151-0482-00 TRANSISTOR: PNP, SI, TO-220 04713 TIP32C A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907, A7Q5020 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906, A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907, A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551							
A7Q4070 151-0476-00 TRANSISTOR: NPN, SI, TO-220, TIP31C,100V, 3A 01295 TIP31C A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907, A7Q5020 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906, A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907, A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551							
A7Q5010 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5020 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906. A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551.							
A7Q5020 151-5000-00 TRANSISTOR, SIG: PNP, 40V, 200MA, 250MHZ 04713 MMBT3906I A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907. A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551I							MMBT2907ALT1
A7Q5040 151-5030-00 TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ 04713 MMBT2907, A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551							MMBT3906LT1
A7Q5041 151-5027-00 TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ 04713 MMBT5551							MMBT2907ALT1
					TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ		MMBT5551LT1
					TRANSISTOR, SIG: PNP, 60V, 600MA, 200MHZ	04713	MMBT2907ALT1
					TRANSISTOR, SIG: NPN, 160V, 600MA, 100MHZ	04713	MMBT5551LT1

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A7R1000	321-0751-06		RES, FXD, FILM: 50 OHM, 0.25%, 0.125W	57668	CRB14CZE50.0
A7R1001	321-0816-07		RES, FXD, FILM: 5K OHM, 0.1%, 0.125W	TK1727	
A7R1002	321-0247-07		RES, FXD, FILM: 3.65K OHM, 0.1%, 0.125W	57027	3.65K CM55 T9.1%
A7R1010	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R1011	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R1012	321-5019-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W	91637	CRCW12061211FT
A7R1013	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R1020 A7R1021	321-5026-00 321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R1021	321-5019-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R1030	321-5043-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W RES, FXD, FILM: 47.5 OHM, 1%, 0.125W	91637	CRCW12061211FT
A7R1040	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637 91637	CRCW120647R5FT
A7R1041	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12063921FT
A7R1042	321-5029-00		RES, FXD, FILM: 8.25K OHM, 1%, 0.125W	91637	CRCW12064750FT CRCW12068251FT
A7R1043	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A7R1044	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A7R1045	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637	CRCW12063921FT
A7R1050	321-5020-00		RES, FXD, FILM: 1.50K OHM, 1%, 0.125W	91637	CRCW12061501FT
A7R1051	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1052	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1053	321-5006-00		RES, FXD, FILM: 100 OHM, 1%, 0.125W	91637	CRCW12061000FT
A7R1060	311-2234-00		RES, VAR, NONWW: 5K OHM, 20%, 0.5W	TK2073	GF06UT2 502 M L20
A7R1061	321-5028-00		RES, FXD, FILM: 6.81K OHM, 1%, 0.125W	91637	CRCW12066811FT
A7R1062	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R1070	308-0961-00		RES, FXD, WW: 10 OHM, 1%, 3W	91637	RS2B-10R00F
A7R1071	321-5018-00	•	RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1072 A7R1073	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1073	321-5018-00 321-5022-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1075	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R1076	321-5025-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R1080	308-0756-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W RES, FXD, WW: 100 OHM, 1%, 3W	91637	CRCW12063921FT
A7R1081	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	RS2B 100R0F T/R
A7R1082	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637 91637	CRCW120610R0FT
A7R1083	321-5019-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W	91637	CRCW12061001FT CRCW12061211FT
A7R1084	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R1085	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A7R1086	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A7R1087	321-5025-00		RES, FXD, FILM: 3.92K OHM, 1%, 0.125W	91637	CRCW12063921FT
A7R1090	311-2234-00		RES, VAR, NONWW: 5K OHM, 20%, 0.5W	TK2073	GF06UT2 502 M L20
A7R2000	321-0247-07		RES, FXD, FILM: 3.65K OHM, 0.1%, 0.125W	57027	3.65K CM55 T9.1%
A7R2001	321-0816-07		RES, FXD, FILM: 5K OHM, 0.1%, 0.125W	TK1727	MPR24-2322-141-5K0
A7R2002	321-0751-06		RES, FXD, FILM: 50 OHM, 0.25%, 0.125W	57668	CRB14CZE50.0
A7R2010 A7R2011	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
4	321-5000-00 321-5019-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R2020 A7R2021	321-5019-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W	91637	CRCW12061211FT
A7R2040	321-5023-00		RES, FXD, FILM: 1.21K OHM, 1%, 0.125W	91637	CRCW12061211FT
A7R2041	321-5032-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W RES, FXD, FILM: 15.0K OHM, 1%, 0.125W	91637	CRCW12062741FT
A7R2042	321-5023-00		RES, FXD, FILM: 13.0K OHM, 1%, 0.125W	91637	CRCW12061502FT
A7R2043	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637 91637	CRCW12062741FT
A7R2044	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12062741FT CRCW12061002FT
A7R2045	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R2050	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R2060	321-5028-00		RES, FXD, FILM: 6.81K OHM, 1%, 0.125W	91637	CRCW12066811FT
A7R2061	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A7R2070	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R2080	307-1584-00		RES, FXD, FILM: 50 OHM, 10W	03888	PPR 500-10-3 50Ω
A7R2090	321-5018-00		RES, FXD, FILM: 1.00K OHM. 1%. 0.125W	91637	CRCW12061001FT
A7R3010	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061001F1
A7R3011	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A7R3012	321-5023-00		RES, FXD, FILM: 2.74K OHM, 1%, 0.125W	91637	CRCW12062741FT
A7R3013	321-5014-00		RES, FXD, FILM: 475 OHM, 1%, 0.125W	91637	CRCW12064750FT
A7R3014	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R3015	321-5033-00		RES, FXD, FILM: 18.2K OHM, 1%, 0.125W	91637	CRCW12061822FT
A7R3016	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
_A7R3017	308-0764-00		RES, FXD, WW: 2.7 OHM, 5%, 2W	11502	SPF 2.7 OHM + -5PE

Component Number         Tektronix Part Number         Serial No. Effective         Dascont         Name & Description           A7R3020         321-5006-00         RES, FXD, FILM: 100 OHM, 7813031         321-5012-00         RES, FXD, FILM: 332 OHM, 7813031         321-5049-00         RES, FXD, FILM: 1M OHM, 7813032         321-5012-00         RES, FXD, FILM: 1M OHM, 7813033         321-5012-00         RES, FXD, FILM: 1M OHM, 7813034         321-5030-00         RES, FXD, FILM: 1M OHM, 781304         321-5030-00         RES, FXD, FILM: 10.0K OHM, 7813043         321-5030-00         RES, FXD, FILM: 10.0K OHM, 7813043         321-5000-00         RES, FXD, FILM: 10.0K OHM, 7813043         321-5000-00         RES, FXD, FILM: 10.0K OHM, 7813043         321-5000-00         RES, FXD, FILM: 10.0HM, 7814014         321-5000-00         RES, FXD, FILM: 2.21K OHM, 7814014         321-5000-00         RES, FXD, FILM: 2.21K OHM, 7814014         321-5000-00         RES, FXD, FILM: 3.22 OHM, 7814014         321-5018-00         RES, FXD, FILM: 2.21K OHM, 7814014         321-5018-00         RES, FXD, FILM: 10.0K OHM,	1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 0.5%, 0.125W 91637 0.5%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.25%, 0.125W 91637 1, 0.25W 91637 1, 0.125W 91637	CRCW12063320FT CRCW12061004FT CRCW12061004FT CRCW12063320FT 5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12062671FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW1206100FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW1206275FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3030 321-5012-00 RES, FXD, FILM: 332 OHM, A7R3031 321-5049-00 RES, FXD, FILM: 1M OHM, A7R3032 321-5049-00 RES, FXD, FILM: 1M OHM, A7R3033 321-5012-00 RES, FXD, FILM: 332 OHM, A7R3043 321-5030-00 RES, FXD, FILM: 39.9K OHM, A7R3041 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3042 321-5030-00 RES, FXD, FILM: 26.7K OHM, A7R3053 321-5000-00 RES, FXD, FILM: 243 OHM, A7R3053 321-5000-00 RES, FXD, FILM: 10.0K OHM A7R3053 321-5000-00 RES, FXD, FILM: 10.0HM, 19 A7R3052 321-5000-00 RES, FXD, FILM: 10.0HM, 19 A7R3053 321-5000-00 RES, FXD, FILM: 22.1K OHM A7R3061 321-5050-00 RES, FXD, FILM: 22.1K OHM A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4011 321-5034-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4020 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4021 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4021 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4023 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4023 321-5000-00 RES, FXD, FILM: 22.1K OHM, A7R4033 321-5000-00 RES, FXD, FILM: 22.1K OHM, A7R4031 321-5000-00 RES, FXD, FILM: 22.1K OHM, A7R4032 321-5000-00 RES, FXD, FILM: 20 OHM, 10 A7R4033 321-5000-00 RES, FXD, FILM: 20 OHM, 10 A7R4033 321-5000-00 RES, FXD, FILM: 20 OHM, 10 A7R4033 321-5000-00 RES, FXD, FILM: 20 OHM, 10 A7R4034 321-5000-00 RES, FXD, FILM: 20 OHM, 10 A7R4044 321-5000-00 RES, FXD, FILM: 4.75K OHM, 10 A7R4043 321-5000-00 RES, FXD, FILM: 4.75K OHM, 10 A7R	1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 0.5%, 0.125W 91637 0.5%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.25%, 0.125W 91637 1, 0.25W 91637 1, 0.125W 91637	CRCW12063320FT CRCW12061004FT CRCW12061004FT CRCW12063320FT 5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12062671FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW1206100FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW1206275FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3031 321-5049-00 RES, FIXD, FILM: 1M OHM, A7R3032 321-5012-00 RES, FIXD, FILM: 1M OHM, A7R3033 321-5012-00 RES, FXD, FILM: 332 OHM, A7R3034 321-5030-00 RES, FXD, FILM: 9.9K OHM, A7R3040 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3041 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3042 321-0234-03 RES, FXD, FILM: 10.0K OHM A7R3043 321-5000-00 RES, FXD, FILM: 10.0K OHM, 10.0K OH	1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 0.5%, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.25%, 0.125W 91637 1, 0.25W 91637 1, 0.125W 91637	CRCW12061004FT CRCW12061004FT CRCW12061004FT CRCW12063320FT 5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12062671FT CRCW12062671FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062012FT CRCW12062012FT CRCW12062012FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW1206275FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3032 321-5049-00 RES, FIXD, FILM: 1M OHM, A7R3033 321-5012-00 RES, FXD, FILM: 332 OHM, A7R3034 321-5030-00 RES, FXD, FILM: 392 OHM, A7R3040 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3041 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3042 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3050 321-5000-00 RES, FXD, FILM: 243 OHM, 1 A7R3050 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3053 321-5022-00 RES, FXD, FILM: 221K OHM A7R3060 321-5050-00 RES, FXD, FILM: 221K OHM A7R3060 321-5050-00 RES, FXD, FILM: 32.0 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 32.0 OHM, A7R3061 321-5034-00 RES, FXD, FILM: 1.00K OHM A7R4010 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4014 308-0420-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4021 321-5034-00 RES, FXD, FILM: 10 OHM, 19 A7R4023 321-5009-00 RES, FXD, FILM: 22.1K OHM, 10 A7R4031 321-5034-00 RES, FXD, FILM: 22.1K OHM, 10 A7R4032 321-5034-00 RES, FXD, FILM: 22.1K OHM, 10 A7R4033 321-5039-00 RES, FXD, FILM: 20.1K OHM, 10 A7R4033 321-5039-00 RES, FXD, FILM: 20.1K OHM, 10 A7R4034 321-5039-00 RES, FXD, FILM: 20.1K OHM, 10 A7R4034 321-5039-00 RES, FXD, FILM: 20.1K OHM, 10 A7R4034 321-5039-00 RES, FXD, FILM: 20.0K OHM, 10 A7R4043 321-5039-00 RES, FXD, FILM: 20.0K OHM, 10 A7R4044 321-5039-00 RES, FXD, FILM: 20.0K OHM, 20.0K	1%, 0.125W 91637 1%, 0.125W 91637 0.5%, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.25%, 0.125W 91637 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.125W 91637 1, 0.125W 91637 1, 1%, 0.125W 91637 1, 1, 0.125W 91637 1, 0.125W 91637 1, 1, 0.125W 91637	CRCW12061004FT CRCW12063320FT 5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12062630FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12061001FT CRCW12062012FT CRCW1206212FT CRCW1206212FT CRCW1206212FT CRCW1206212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW1206275FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3033 321-5012-00 RES, FXD, FILM: 332 OHM, A7R3040 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3041 321-5030-00 RES, FXD, FILM: 267K OHM, A7R3042 321-5030-00 RES, FXD, FILM: 20.0K OHM, A7R3043 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3043 321-5000-00 RES, FXD, FILM: 243 OHM, 10.0K OHM,	1%, 0.125W 91637 0.5%, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.25%, 0.125W 91637 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 1%, 0.125W 91637 1, 0.125W 91637 1, 1%, 0.125W 91637	CRCW12063320FT 5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW1206301FT CRCW1206301FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW1206271FT CRCW1206275FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R3040 321-5030-00 RES, FXD, FILM: 9.9K OHM, A7R3041 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3042 321-0234-03 RES, FXD, FILM: 10.0K OHM A7R3043 321-5209-00 RES, FXD, FILM: 243 OHM, 10.0K OHM A7R3050 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 15 A7R3053 321-5022-00 RES, FXD, FILM: 10 OHM, 16 A7R3064 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 1.00K OHM A7R4012 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4013 321-5000-00 RES, FXD, FILM: 2.21K OHM A7R4014 308-0420-00 RES, FXD, FILM: 22.1K OHM, A7R4020 321-5000-00 RES, FXD, FILM: 22.1K OHM, A7R4021 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4013 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4020 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4031 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4033 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4033 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4034 321-5000-00 RES, FXD, FILM: 47.5 OHM, A7R4034 321-5000-00 RES, FXD, FILM: 8.25K OHM, A7R4044 321-5040-00 RES, FXD, FILM: 8.25K OHM, A7R4042 321-5040-00 RES, FXD, FILM: 8.25K OHM, A7R4042 321-5040-00 RES, FXD, FILM: 8.25K OHM, A7R4042 321-5040-00 RES, FXD, FILM: 4.75K OHM, A7R4042 321-5040-00 RES, FXD, FILM: 4.75K OHM, A7R4043 321-5060-00 RES, FXD,	0.5%, 0.125W 19701  I, 1%, 0.125W 91637  I, 1%, 0.125W 91637  I, 0.25%, 0.125W 91637  I%, 0.125W 91637  W, 0.125W 91637  W, 0.125W 91637  W, 0.125W 91637  I, 1%, 0.125W 91637  I, 1%, 0.125W 91637  I, 0.125W 91637	5033RC9K900D CRCW12061002FT CRCW12061002FT CRCW12061002FT CRCW12062671FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062211FT CRCW12062211FT CRCW12062212FT CRCW12062211FT CRCW12062211FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3040 A7R3041 A7R3042 A7R3042 A7R3042 A7R3043 A7R3043 A7R3043 A7R3043 A7R3050 A7R3050 A7R3050 A7R3050 A7R3051 A7R3052 A7R3052 A7R3053 A7R3053 A7R3053 A7R3053 A7R3054 A7R3055 A7R3056 A7R3057 A7R3057 A7R3058 A7R3059 A7R3059 A7R3059 A7R3050 A7R3060 A7R4010 A7R4010 A7R4010 A7R4011 A7R4011 A7R4011 A7R4012 A7R4013 A7R4014 A7R4013 A7R4014 A7R4020 A7R4020 A7R4020 A7R4020 A7R4020 A7R4020 A7R4021 A7R4021 A7R4021 A7R4022 A7R4023 A7R4023 A7R4020 A7R4023 A7R4023 A7R4030 A7R4031 A7R4031 A7R4033 A7R4033 A7R4033 A7R4034 A7R4035 A7R4035 A7R4035 A7R4036 A7R4037 A7R4038 A7R4039 A7R4039 A7R4031 A7R4031 A7R4032 A7R4032 A7R4033 A7R4033 A7R4034 A7R4035 A7R4035 A7R4036 A7R4037 A7R4037 A7R4038 A7R4039 A7R4039 A7R4039 A7R4030 A7R4031 A7R4031 A7R4032 A7R4033 A7R4034 A7R4035 A7R4035 A7R4036 A7R4037 A7R4037 A7R4038 A7R4039 A7R4039 A7R4039 A7R4039 A7R4031 A7R4031 A7R4032 A7R4033 A7R4034 A7R4035 A7R4035 A7R4040 A7R4036 A7R4037 A7R4037 A7R4038 A7R4039 A7R4039 A7R4039 A7R4039 A7R4031 A7R4031 A7R4032 A7R4033 A7R4034 A7R4035 A7R4036 A7R4037 A7R4037 A7R4038 A7R4039 A7R4039 A7R4039 A7R4039 A7R4031 A7R4031 A7R4032 A7R4033 A7R4033 A7R4034 A7R4035 A7R4034 A7R4035 A7R4034 A7R4035 A7R4040 A7R404	I, 1%, 0.125W       91637         I, 1%, 0.125W       91637         I, 0.25%, 0.125W       91637         I%, 0.125W       91637         %, 0.125W       91637         %, 0.125W       91637         %, 0.125W       91637         I, 1%, 0.125W       91637         1%, 0.125W       91637         1%, 0.125W       91637         1%, 0.125W       91637         I, 0.125W       91637         I, 1%, 0.125W       91637         I, 0.125W       91637         K, 0.125W       91637	CRCW12061002FT CRCW12061002FT CRCW12061002FT CRCW12062671FT CRCW 12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW12062212FT CRCW12064752FT CRCW12062002FT CRCW12062002FT CRCW12068251FT
A7R3041 321-5030-00 RES, FXD, FILM: 10.0K OHM A7R3042 321-5209-00 RES, FXD, FILM: 243 OHM, 10 A7R3050 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3053 321-5022-00 RES, FXD, FILM: 10 OHM, 10 A7R3054 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM A7R4014 308-0420-00 RES, FXD, FILM: 22.1K OHM, 10 A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 10 A7R4020 321-5000-00 RES, FXD, FILM: 2.21K OHM, 10 A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, 10 A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, 10 A7R4031 321-5000-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4031 321-5000-00 RES, FXD, FILM: 8.25K OHM, 10 A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4043 3	1, 1%, 0.125W       91637         1, 0.25%, 0.125W       91637         1%, 0.125W       91637         %, 0.125W       91637         %, 0.125W       91637         %, 0.125W       91637         1, 1%, 0.125W       91637         %, 0.125W       91637 <td>CRCW12061002FT CRCW12062671FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062212FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT</td>	CRCW12061002FT CRCW12062671FT CRCW12062430FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062212FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3043 321-5209-00 RES, FXD, FILM: 243 OHM, 147R3050 321-5000-00 RES, FXD, FILM: 10 OHM, 147R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 147R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 147R3053 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3054 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 2.21K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4020 321-5004-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4031 321-5038-00 RES, FXD, FILM: 2.25K OHM, 19 A7R4031 321-5038-00 RES, FXD, FILM: 2.25K OHM, 19 A7R4031 321-5038-00 RES, FXD, FILM: 3.25K OHM, 19 A7R4031 321-5048-00 RES, FXD, FILM: 3.25K OHM, 19 A7R4031 321-5048-00 RES, FXD, FILM: 4.75K OHM, 19 A7R4041 321-5046-00 RES, FXD, FILM: 4.75K OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 19	1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637	CRCW12062671FT CRCW 12062430FT CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW12062212FT CRCW12062212FT CRCW12062215FT CRCW12062211FT CRCW12062211FT CRCW12064750FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3050 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 11 A7R3053 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3054 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 0.0HM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 0.0HM, 19 A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5030-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5030-00 RES, FXD, FILM: 2.21K OHM, A7R4030 321-5030-00 RES, FXD, FILM: 2.21K OHM, A7R4031 321-5030-00 RES, FXD, FILM: 2.21K OHM, A7R4030 321-5030-00 RES, FXD, FILM: 2.0K OHM, A7R4031 321-5000-00 RES, FXD, FILM: 47.5K OHM, A7R4031 321-5020-00 RES, FXD, FILM: 20K OHM, A7R4031 321-5020-00 RES, FXD, FILM: 20K OHM, A7R4031 321-5020-00 RES, FXD, FILM: 20K OHM, A7R4034 321-5020-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5020-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5020-00 RES, FXD, FILM: 5.6M OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, A7R4042 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4042 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4042 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, A7R4042 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4042 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321	%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637	CRCW120610R0FT CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064750FT CRCW12064750FT CRCW12062002FT CRCW12068251FT
A7R3051 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3053 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3064 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 0.0HM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 0.0HM, 19 A7R4021 321-5020-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5038-00 RES, FXD, FILM: 2.21K OHM, A7R4022 321-5038-00 RES, FXD, FILM: 2.21K OHM, A7R4031 321-5090-00 RES, FXD, FILM: 2.21K OHM, A7R4031 321-5090-00 RES, FXD, FILM: 47.5K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4035 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4034 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4035 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4034 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4041 321-5029-00 RES, FXD, FILM: 20K OHM, 10 A7R4041 321-5043-00 RES, FXD, FILM: 47.5K OHM, 47R4041 321-5043-00 RES, FXD, FILM: 47.5K OHM, 47R4042 321-5018-00 RES, FXD, FILM: 47.5K OHM, 47R4043 321-5029-00 RES, FXD, FILM: 47.5K OHM, 47R4043 321-5043-00 RES, FXD, FILM: 47.5K OHM, 47R4042 321-5018-00 RES, FXD, FILM: 47.5K OHM, 47R4043 321-5026-00 RES, F	%, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637	CRCW120610R0FT CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R3052 321-5000-00 RES, FXD, FILM: 10 OHM, 10 A7R3053 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4012 321-5034-00 RES, FXD, FILM: 2.21K OHM A7R4013 321-5000-00 RES, FXD, FILM: 2.21K OHM A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4020 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4030 321-5038-00 RES, FXD, FILM: 2.21K OHM, A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4033 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 8.25K OHM, A7R4042 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 RES, FXD, FILM: 47.5 OHM, 4	%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 1%, 0.125W 91637	CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R3053 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 22.1K OHM A7R4022 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4023 321-5034-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4030 321-5038-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4031 321-5090-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4032 321-5038-00 RES, FXD, FILM: 20K OHM, 1 A7R4033 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4041 321-5043-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4042 321-5043-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4043 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5029-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4044 321-5040-00 RES, FXD, FILM: 47.5 OHM, 1	, 1%, 0.125W   91637    , 0.125W   91637    , 0.125W   91637    , 1, 0.125W   91637    , 0.125W   91	CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW120630R2FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R3060 321-5050-00 RES, FXD, FILM: 2.21K OHM, A7R3061 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3090 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4021 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5000-00 RES, FXD, FILM: 2.21K OHM, A7R4030 321-5038-00 RES, FXD, FILM: 22.1K OHM, A7R4031 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 10 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, A7R4033 321-5029-00 RES, FXD, FILM: 20K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 5.6M OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 47.5K OHM, A7R4043 321-5026-00 RES, FXD,	1,1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1,1%, 0.125W 91637 1,1%, 0.125W 91637 1,1%, 0.125W 91637 1,1%, 0.125W 91637 1,1%, 0.125W 91637 1,15W 91637 1,1,0.125W 91637 1,1%, 0.125W 91637	CRCW12062211FT CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12064752FT CRCW12068251FT CRCW12068251FT
A7R3060 321-5050-00 RES, FXD, FILM: 33.2 OHM, A7R3060 321-5018-00 RES, FXD, FILM: 33.2 OHM, A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4013 321-5000-00 RES, FXD, FILM: 22.1K OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5000-00 RES, FXD, FILM: 22.1K OHM, A7R4022 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4023 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4030 321-5038-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4031 321-5038-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4031 321-5038-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 10 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 10 A7R4033 321-5090-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 10 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 47R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 47R4044 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 47R4044 A7R4043 A21-5026-00 RES, FXD, FILM: 47.5 OHM, 47R4044 A7R4044 A7R404	1%, 0.125W 91637 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637 1%, 0.125W 91637	CRCW120633R2FT CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062212FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R3090 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4010 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4023 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4030 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4031 321-5038-00 RES, FXD, FILM: 47.5K OHM, 19 A7R4032 321-5039-00 RES, FXD, FILM: 20K OHM, 19 A7R4033 321-5029-00 RES, FXD, FILM: 20K OHM, 19 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4036 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, 19 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5043-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4044 321-5043-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4045 321-5043-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4040 321-5043-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4044 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4044 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4044 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4044 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4045 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4040 A7R4041 A7R4041 A7R4041 A7R4041 A7R4041 A	, 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637	CRCW120633R2FT CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW12062212FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4010 321-5018-00 RES, FXD, FILM: 1.00K OHM A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R4031 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R4032 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4033 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4036 321-5029-00 RES, FXD, FILM: 5.6M OHM, 1 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 47.5K OHM, A7R4044 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4043 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 47.5K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	, 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637	CRCW12061001FT CRCW12061001FT CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062211FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4011 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4014 308-0420-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, A7R4022 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4033 321-5014-00 RES, FXD, FILM: 47.5K OHM, 1 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1 A7R4031 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5295-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1	, 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 %, 1.5W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637	CRCW12062212FT CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4012 321-5034-00 RES, FXD, FILM: 22.1K OHM A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4014 308-0420-00 RES, FXD, WW: 1.8 OHM, 39 A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, 47R4022 321-5034-00 RES, FXD, FILM: 22.1K OHM, 47R4033 321-5014-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, 47R4031 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4033 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 47R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 47R4040 321-5295-00 RES, FXD, FILM: 8.25K OHM, 47R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 47R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, 47R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	, 1%, 0.125W 91637 %, 0.125W 91637 %, 1.5W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 ,1%, 0.125W 91637 ,1%, 0.125W 91637 1%, 0.125W 91637	CRCW12062212FT CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4013 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4020 321-5000-00 RES, FXD, WW: 1.8 OHM, 39 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4023 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, 19 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 19 A7R4032 321-5029-00 RES, FXD, FILM: 20K OHM, 19 A7R4033 321-5029-00 RES, FXD, FILM: 20K OHM, 19 A7R4034 321-5029-00 RES, FXD, FILM: 20K OHM, 19 A7R4035 321-5029-00 RES, FXD, FILM: 20K OHM, 19 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4041 321-5043-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4042 321-5018-00 RES, FXD, FILM: 5.6M OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 19 A7R4040 RES, FXD, FILM: 4.75K OHM, 19 A7R4041 RES, FXD, FILM: 4.75K OHM	%, 0.125W 91637 %, 1.5W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637	CRCW120610R0FT RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4020 321-5000-00 RES, FXD, WW: 1.8 OHM, 39 A7R4021 321-5020-00 RES, FXD, FILM: 10 OHM, 19 A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, 19 A7R4023 321-5014-00 RES, FXD, FILM: 475 OHM, 19 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, 19 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 19 A7R4032 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4040 321-5295-00 RES, FXD, FILM: 8.25K OHM, 19 A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, 19 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 47.5 OHM, 19 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 19 A7R4040 RES, FXD, FILM: 4.75K OHM, 19 A7R4041 RES, FXD, FILM: 4.75K OHM, 19 A7R4042 RES, FXD, FILM: 4.75K OHM, 19 A7R4043 RES, FXD, FILM: 4.75K OHM, 19 A7R4045 RES, FXD, FILM: 4.75K OHM, 19 A7R4046 RES, FXD, FILM: 4.75K OHM, 19 A7R4047 RES, FXD, FILM: 4.75K OHM, 19 A7R4048 RES, FXD, FILM: 4.75K OHM, 19 A7R4049 RES, FXD, FILM: 4.75K OHM, 19 A7R4040 RES, FXD, FILM: 4.75K OHM, 19 A	%, 1.5W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637	RS-1A-91 CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4020 321-5000-00 RES, FXD, FILM: 10 OHM, 19 A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, A7R4022 321-5034-00 RES, FXD, FILM: 2.21K OHM, A7R4023 321-5014-00 RES, FXD, FILM: 475 OHM, 1 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5295-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	%, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 1%, 0.125W 91637	CRCW120610R0FT CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4021 321-5022-00 RES, FXD, FILM: 2.21K OHM, A7R4022 321-5034-00 RES, FXD, FILM: 22.1K OHM, A7R4023 321-5014-00 RES, FXD, FILM: 47.5 OHM, A7R4030 321-5038-00 RES, FXD, FILM: 47.5 OHM, A7R4031 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5295-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, A7R4043 RES, FXD, FILM: 4.75K OHM, A7R4041 RES, FXD, FILM: 4.75K OHM, A7	, 1%, 0.125W 91637 , 1%, 0.125W 91637 %, 0.125W 91637 , 1%, 0.125W 91637 , 0.125W 91637	CRCW12062211FT CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4023 321-5014-00 RES, FXD, FILM: 275 OHM, 1 A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, 1 A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4033 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1	%, 0.125W 91637 , 1%, 0.125W 91637  %, 0.125W 91637 . 1%, 0.125W 91637	CRCW12062212FT CRCW12064750FT CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4030 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R4031 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4033 321-5029-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	, 1%, 0.125W 91637  %, 0.125W 91637  .1%, 0.125W 91637	CRCW12064752FT CRCW12062002FT CRCW12068251FT
A7R4031 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4032 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, 1 A7R4040 321-5295-00 RES, FXD, FILM: 5.6M OHM, 1 A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 1.00K OHM, 1 A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1	1%, 0.125W 91637 . 1%, 0.125W 91637	CRCW12062002FT CRCW12068251FT
A7R4032 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4033 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5043-00 RES, FXD, FILM: 5.6M OHM, A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	. 1%, 0.125W 91637	CRCW12068251FT
A7R4033 321-5090-00 RES, FXD, FILM: 20K OHM, 1 A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5295-00 RES, FXD, FILM: 5.6M OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	1 70, 0.12344 91037	
A7R4034 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4035 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4040 321-5295-00 RES, FXD, FILM: 5.6M OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1	%, 0.125W 91637	CRCM12062002ET
A7R4040 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R4041 321-5295-00 RES, FXD, FILM: 5.6M OHM, A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, 1	. 1%. 0.125W 91637	CRCW12062002FT CRCW12068251FT
A7R4041 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1 A7R4042 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM,	. 1%, 0.125W 91637	CRCW12068251FT
A7R4042 321-5018-00 RES, FXD, FILM: 47.5 OHM, A7R4043 321-5026-00 RES, FXD, FILM: 4.75K OHM, RES, FXD, FXD, FXD, FXD, FXD, FXD, FXD, FXD	5%, 0.125W 91637	CRCW12065604JT
A7R4043 321-5026-00 RES, FXD, FILM: 1.00K OHM,	1%, 0.125W 91637	CRCW120647R5FT
	1%, 0.125W 91637	CRCW12061001FT
A7R4044 321-5003-00 RES, FXD, FILM: 18.2 OHM, 1	1%, 0.125W 91637 l%, 0.125W 91637	CRCW12064751FT
A/H4045 321-5000-00 RES, FXD, FILM: 10 OHM. 1%	6, 0.125W 91637	CRCW120618R2FT CRCW120610R0FT
A/H4046 321-5006-00 RES, FXD, FILM: 100 OHM, 1	%, 0.125W 91637	CRCW12061000FT
A/R4050 308-0756-00 RES, FXD, WW: 100 OHM, 19	%, 3W 91637	RS2B 100R0F T/R
A7R4051 321-0751-06 RES, FXD, FILM: 50 OHM, 0.2 A7R4052 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1.2	25%, 0.125W 57668	CRB14CZE50.0
11LO, 17LD, 11LW, 47.3 OFW, 1		CRCW120647R5FT
A7R4053 321-5000-00 RES, FXD, FILM: 10 OHM, 1% A7R4060 308-0756-00 RES, FXD, WW: 100 OHM, 1%		CRCW120610R0FT
A7R4061 321-5021-00 RES, FXD, FILM: 1.82K OHM,	%, 3W 91637 1%, 0.125W 91637	RS2B 100R0F T/R
A7H4062 321-5021-00 RES, FXD, FILM: 1.82K OHM.	1%, 0.125W 91637	CRCW12061821FT CRCW12061821FT
A/H40/0 308-0/56-00 RES, FXD, WW: 100 OHM, 19	%. 3W 91637	RS2B 100R0F T/R
A/R40/1 321-5021-00 RES, FXD, FILM: 1.82K OHM.	1%, 0.125W 91637	CRCW12061821FT
A7R4072 321-5000-00 RES, FXD, FILM: 10 OHM, 1% A7R4073 321-5018-00 RES, FXD, FILM: 1 00K OHM	5, 0.125W 91637	CRCW120610R0FT
TIES, TAD, TIEM, TOOK ONIN.	1%, 0.125W 91637	CRCW12061001FT
A7R4074 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4080 307-1584-00 RES, FXD, FILM: 50 OHM, 10\		CRCW12061001FT
		PPR 500-10-3 50Ω
A7R4081 321-5018-00 RES, FXD, FILM: 1.00K OHM, A7R4082 321-0751-06 RES, FXD, FILM: 50 OHM, 0.2	FO! O 100111	CRCW12061001FT
A7R5010 321-5018-00 RES, FXD, FILM: 1.00K OHM,	1%, 0.125W 57668 1%, 0.125W 91637	CRB14CZE50.0
A7R5011 321-5011-00 RES, FXD, FILM: 274 OHM, 19	%, 0.125W 91637	CRCW12061001FT CRCW12062740FT
A7R5012 321-5044-00 RES, FXD, FILM: 56.2 OHM, 1	%, 0.125W 91637	CRCW 120656R2FT
A/H5013 321-5043-00 RES, FXD, FILM: 47.5 OHM, 1	%, 0.125W 91637	CRCW120647R5FT
A/R5020 321-5022-00 RES, FXD, FILM: 2.21K OHM.	1%, 0.125W 91637	CRCW12062211FT
A7R5030 321-5029-00 RES, FXD, FILM: 8.25K OHM, A7R5031 321-5090-00 RES, FXD, FILM: 20K OHM, 10	1%, 0.125W 91637	CRCW12068251FT
TIES, TAB, FILINI, 2017 OF 100, 1	404 0 40 0044	CRCW12062002FT
A7R5032 321-5038-00 RES, FXD, FILM: 47.5K OHM, A7R5033 321-5090-00 RES, FXD, FILM: 20K OHM, 19	1%, 0.125W 91637	CRCW12064752FT
A7R5034 321-5026-00 RES, FXD, FILM: 4.75K OHM,	%, 0.125W 91637 1%, 0.125W 91637	CRCW12062002FT
A7R5040 321-5006-00 RES, FXD, FILM: 100 OHM, 19	%, 0.125W 91637	CRCW12064751FT CRCW12061000FT
A7R5041 321-5000-00 RES, FXD, FILM: 10 OHM, 1%	, 0.125W 91637	CRCW12061000FT

Component Number	Tektronix Part Number	Serial No. Effective Dscont	Name & Description	Mfr. Code	Mfr.Part No.
A7R5042	321-5003-00		RES, FXD, FILM: 18.2 OHM, 1%, 0.125W	91637	CRCW120618R2FT
A7R5050	311-2234-00		RES, VAR, NONWW: 5K OHM, 20%, 0.5W	TK2073	GF06UT2 502 M L20
A7R5051	321-5018-00		RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R5052	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R5053	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R5054	321-5022-00	•	RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R5055	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R5056	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
	311-2234-00		RES, VAR, NONWW: 5K OHM, 20%, 0.5W	TK2073	GF06UT2 502 M L20
A7R5060	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R5061			RES, FXD, FILM: 1.00K OHM, 1%, 0.125W	91637	CRCW12061001FT
A7R5062	321-5018-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R5063	321-5000-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R5064	321-5022-00		RES, VAR, NONWW: 5K OHM, 20%, 0.5W	TK2073	GF06UT2 502 M L20
A7R5070	311-2234-00		RES, FXD, FILM: 6.81K OHM, 1%, 0.125W	91637	CRCW12066811FT
A7R5071	321-5028-00		RES, FXD, FILM: 0.01K OHM, 1%, 0.125W	91637	CRCW12062211FT
A7R5072	321-5022-00	· ·	RES, FAD, FILM: 2.21K OHM, 176, 0.125W	91637	CRCW12062211FT
A7R5073	321-5022-00		RES, FXD, FILM: 2.21K OHM, 1%, 0.125W	91637	CRCW12064751FT
A7R5074	321-5026-00		RES, FXD, FILM: 4.75K OHM, 1%, 0.125W	91637	CRCW12061002FT
A7R5075	321-5030-00		RES, FXD, FILM: 10.0K OHM, 1%, 0.125W	91637	CRCW12061002FT
A7R5076	321-5029-00		RES, FXD, FILM: 8.25K OHM, 1%, 0.125W		
A7R5077	321-5000-00		RES, FXD, FILM: 10 OHM, 1%, 0.125W	91637	CRCW120610R0FT
A7R5080	308-0720-00		RES, FXD, WW: 50 OHM, 1%, 3W	91637	RS2B-B50R00F
A7U1020	156-5138-01		IC, LINEAR: OP AMP, BIFET, DUAL	01295	TL082CD
A7U1030	156-6282-00		IC, CONVERTER: D/A, 12 BIT, CURRENT OUT	06665	PM7545FPC
A7U1031	156-5854-00		IC, LINEAR: OP AMP, HIGH SPEED	51640	AD42356
A7U1050	156-5095-01		IC, LINEAR: OP AMP, LOW NOISE	18324	NE5534DT
A7U1070	156-5138-01		IC, LINEAR: OP AMP, BIFET, DUAL	01295	TL082CD
A7U1080	156-5138-01		IC, LINEAR: OP AMP, BIFET, DUAL	01295	TL082CD
A7U2000	156-5095-01		IC, LINEAR: OP AMP, LOW NOISE	18324	NE5534DT
A7U2010	156-5043-01		IC, CONVERTER: D/A, 8 BIT, CURRENT OUT	06665	DAC08-360SR
A7U2011	156-5480-00		IC, DIGITAL: SHIFT REG, 8-BIT W/LATCHES	04713	MC74HC595AD
A7U2020	156-5043-01		IC, CONVERTER: D/A, 8 BIT, CURRENT OUT	06665	DAC08-360SR
A7U2021	156-5480-00		IC, DIGITAL: SHIFT REG, 8-BIT W/LATCHES	04713	MC74HC595AD
A7U2030	156-5480-00		IC, DIGITAL: SHIFT REG, 8-BIT W/LATCHES	04713	MC74HC595AD
A7U2031	156-6219-00		IC. MISC: ANALOG SWITCH, SPDT	34371	HI4P051-S
A7U2032	156-5480-00		IC, DIGITAL: SHIFT REG, 8-BIT W/LATCHES	04713	MC74HC595AD
A7U2040	156-0312-00		IC, LINEAR: BIPLOAR, VOLTAGE REGULATOR;	04713	MC7815CT
71702040	100 00.2 00		POSITIVE		
A7U3010	156-6281-00		IC, LINEAR: VOLTAGE REGULATOR, VARIABLE	04713	MC1723CD
A7U3020	156-5588-01	•	IC, LINEAR: VOLTAGE REF, 2.5V, 1%	04713	MC1403D
	156-5480-00		IC, DIGITAL: SHIFT REG, 8-BIT W/LATCHES	04713	MC74HC595AD
A7U3030			IC, LINEAR: OP AMP, LOW NOISE	18324	NE5534DT
A7U3040	156-5095-01		IC, LINEAR: OP AMP, LOW OFFSET	01295	OP07CDR
A7U3041	156-5082-01		IC, MISC: ANALOG SWITCH, SPDT	34371	HI4P051-S
A7U3050	156-6219-00	•	MICROCKT, LINEAR: DIFF AMP, UNITY GAIN	13919	INA105KU
A7U3051	156-5431-00		IN LINEAD OD AMD LOW MOICE	18324	NE5534DT
A7U4010	156-5095-01		IC, LINEAR: OP AMP, LOW NOISE	18324	74HCT139DT
A7U4030	156-5142-01		IC, DIGITAL: DEMUX/DECODER, DUAL 2-TO-4	01295	TL082CD
A7U4031	156-5138-01	•	IC, LINEAR: OP AMP, BIFET, DUAL		
A7U4032	156-5726-01		IC, MISC: TIMER, SINGLE	01295 TK0198	TLC555CDR
A7U4040	156-5464-01		IC, DIGITAL: QUAD 2-INPUT NAND		
A7U4050	156-6219-00		IC, MISC: ANALOG SWITCH, SPDT	34371	HI4P051-S
A7U5030	156-5019-01		IC, LINEAR: COMPARATOR, DUAL	01295	LM393D
A7U5050	156-5138-01		IC, LINEAR: OP AMP, BIFET, DUAL	01295	TL082CD
A7U5070	156-5138-01		IC, LINEAR: OP AMP, BIFET, DUAL	01295	TL082CD

## Replaceable Mechanical Parts

	Tektronix Part Number	Serial No. Effective Dscont	Qty	Name and Description	Mfr. Code	Mfr. Part No.
	337-2665-01		2	SHIELD, ELEC: SIDE	0J260	ORDER BY DESCR
	366-1851-01		2	KNOB, LATCH: IVORY GY, 0.625 X 0.25 X 1.09		ORDER BY DESCR
	105-0865-00		2	BAR, LATCH RLSE:	0JR05	ORDER BY DESCR
	105-0866-00		2	LATCH, RETAINING: SAFETY	0JR05	ORDER BY DESCR
	214-3143-00		2	SPRING, HLEXT: 0.125 OD X 0.545 L, XLOOP	TK0508	
			3			ORDER BY DESCR
	131-1315-01		-	CONN, RCPT, ELEC: BNC, FEMALE (W/HDWR)	24931	28JR306-1
-7	366-2136-00		1	KNOB: DOVE GRAY, 0.156 ID X 0.7 OD X 0.6 H	80009	366-2136-00
-8	198-5762-00		1	WIRE SET, ELEC: 6, 50 OHM COAX, 14.0 L, FRONT PANEL OUTPUT CONN ASSY (CABLE ASSY W/HDWR)	80009	198-5762-00
-9	210-0241-00		1	TERMINAL, LUG: 0.515 ID, PLAIN, STL CD PL	TK1665	ORDER BY DESCR
-10	015-2350-00	B010100-B010350	1	HYBRID ASSY: LEVELING HEAD, SG5030	80009	ORDER BY DESCR
	015-2350-01	B010351	1	HYBRID ASSY: LEVELING HEAD, SG5030	80009	ORDER BY DESCR
-11	333-3897-00		1	PANEL, REAR: SG5030	80009	
	213-0882-00		4	SCREW, TPG, TR: 6-32 X 0.437 TAPTITE, PNH		ORDER BY DESCR
	386-3657-01		4	SUPPORT, PLUG-IN	83486	ORDER BY DESCR
	255-0581-00		1.57'			ORDER BY DESCR
15	214-3089-01		4	LOCKOUT, PLUG-IN: PLASTIC	80009	214-3089-00
	214-3069-01		2	CONTACT, ELEC: GROUNDING CU BE	80009	214-3069-00
	426-2423-00					
			2	FRAME SECT CAB: TOP, SG5030 3 WIDE	80009	426-2423-00 ODDED DV DECOR
	211-0541-00		12	SCREW, MACHINE: 6-32 X 0.25, FLH, 100 DEG, STL	1K0435	ORDER BY DESCR
	337-3699-00		1	SHIELD, ELEC: TOP, SG5030	80009	337-3699-00
-20	426-2424-00		2	FRAME SECT CAB: BOTTOM, SG5030, 3 WIDE	80009	426-2424-00
-21	337-3700-00		1	SHIELD, ELEC: BOTTM, SG5030	80009	337-3700-00
	386-6265-00		1	SUBPANEL, FRONT: W/LEXAN, SG5030	80009	386-6265-00
	366-0732-00		4	KNOB, KEYCAP: LIGHTED		ORDER BY DESCR
			•	SWITCH, ROTARY: (SEE A1SW2030 REPL)	11(1010	ONDER BY BEOOR
.25	<u>366-0733-00</u>		22	KNOB, KEYCAP: UNLIT	TV 1210	ORDER BY DESCR
			22	CKT BOARD ASSY: FRNT PNL (SEE A1 REPL)	INIOIS	ONDER BY DESOR
-27	 211-0325-00		11	SCREW, ASSEM WASHER: 4-40 X 0.25, PNH,	TK0435	ORDER BY DESCR
				STL, TORX T9	1110-100	ONDER DI DECOR
-28		AND MATERIAL SECTION AND SECTION ASSESSMENT ASSESSM		CKT BOARD ASSY: OUTPUT (SEE A7 REPL)		
-29				SKT, PL-IN ELEK: 48 PIN (SEE A7H3070 REPL)		
-30	129-0129-00		4	SPACER, POST: 1.125 L, 4-40 BOTH ENDS,	TK0858	ORDER BY DESCR
-31				AL, 0.25 HEX CKT BOARD ASSY: TIMEBASE (SEE A6 REPL)		
-32				CKT BOARD ASSY: RF (SEE A5 REPL)		
				,		
-33	337-3683-00			SHIELD, ELEC: RF CIRCUIT BOARD	80009	337-3683-00
-34	211-0101-00		5	SCREW, MACHINE: 4-40 X 0.25, FLH, 100 DEG, STL		ORDER BY DESCR
-35	211-0325-00		34	SCREW, ASSEM WASHER: 4-40 X 0.25, PNH,	TK0858	ORDER BY DESCR
-36				STL, TORX T9 CKT BOARD ASSY: DDS (SEE A4 REPL)		
	_			- (		
-37	337-3337-00		1	SHIELD, ELEC: (SEE A4SH4020/SH5000 REPL)	0J9P9	337-3337-00
	211-0087-01		4	SCREW, MACHINE: 2-56 X 0.188, FLH, 82		ORDER BY DESCR
-39	211-0180-00		4	DEG, STL SCREW, ASSEM WASHER: 2-56 X 0.25, PNH,	TK0435	ORDER BY DESCR
-40	129-0301-00		4	BRS, NP, POZ SPACER, POST: 0.312 L, 2-56 THRU, BRS,	0J260	129-0301-00
			•	CU SN ZN		

•	Tektronix Serial No. Part Number Effective Ds	cont Qty	Name and Description	Mfr. Code	Mfr. Part No.
-41			CKT BOARD ASSY: CPU (SEE A3 REPL)		
-42			CKT BOARD ASSY: INTRCNCT (SEE A2		
-43			REPL) IC, LINEAR: (SEE A2U2060 REPL)		
-44 -45	214-2518-01	1	HEAT SINK, XSTR: TO-202/TO-220, AL IC, LINEAR: (SEE A2U4050 REPL)	TK0303	332-012
-46		1	SCREW, MACHINE: 4-40 X 0.25, FLH, 100 DEG, STL	TK0435	ORDER BY DESCR
-47	210-0406-00	4	NUT, PLAIN, HEX: 4-40 X 0.188, BRS CD PL	7343	12161-50
-48	210-1178-00	6	WASHER, SHLDR: U/W TO-220 TRANSISTOR	13103	7721-7PPS
-49	342-0831-00	4	INSULATOR, PLATE: TRANSISTOR TO-220	55285	K6AC-54
-50	214-4461-00	1	HEAT SINK: OUTPUT, REAR	80009	214-4461-00
-51	361-1603-00	5	SPACER: RESISTOR BRACKET	TK0858	361-1603-00
-52	210-0586-00	2	NUT, PL, ASSM WA: 4-40 X 0.25, STL CD PL	TK0435	ORDER BY DESCR
	214-4438-00	3	HEATSINK, XSTR: ALUMINUM, TO-220	30161	576802B03100
-54	211-0008-00	2	SCREW, MACHINE: 4-40 X 0.25, PNH, STL CD PL, POZ	TK0435	ORDER BY DESCR
-55	214-4450-00	1	HEAT SINK: ALUMINUM	80009	214-4450-00
-56	361-0041-00	1	SPACER, POST: 0.375 L W/4-40 THUR, AL, 0.25	80009	361-0041-00
-57	214-2868-00	1	HEATSINK: MICROCKT (A4U4030)	05820	650-B
	214-4426-00	1	BLOCK, HEAT SINK: ALUMINUM	TK1465	ORDER BY DESCR
	214-4462-00	1	HEAT SINK, MULTIPLE: OUTPUT CKT BD	30161	ORDER BY DESCR
	211-0022-00	4	SCREW, MACHINE: 2056 X 0.188, PNH, STL CD PL, POZ	TK0435	ORDER BY DESCR

## **Accessories**

### **Standard Accessories**

Tektronix Part Number	Serial No. Effective	Dscont	Name and Description	Mfr. Code	Mfr. Part No.
070-7705-01 070-7704-00 070-7706-00			SG 5030 Operator's Manual SG 5030 Instrument Interfacing Guide SG 5030 Reference Card	80009 80009 80009	070-7705-01 070-7704-00 070-7706-00

## **Optional Accessories**

Tektronix Part Number	Serial No. Effective Dscont	Name and Description	Mfr. Code	Mfr. Part No.
070-7703-01		SG 5030 Service Manual	80009	070-7703-01
067-0175-00		Extender Board	80009	067-0175-00
015-0221-00		DC Blocking Capacitor	18203	B266S

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# DIAGRAMS AND CIRCUIT BOARD ILLUSTRATIONS

#### **Symbols**

Graphic symbols and class designation letters are based on ANSI Standard Y32.2-1975.

Logic symbology is based on ANSI Y32.14-1973 in terms of positive logic. Logic symbols depict the logic function performed and may differ from the manufacturer's data.

The overline on a signal name indicates that the signal performs its intended function when it is in the low state.

Abbreviations are based on ANSI Y1.1-1972.

Other ANSI standards that are used in the preparation of diagrams by Tektronix are:

Y14.15, 1966 Drafting Practices

Y14.2, 1973 Line Conventions and Lettering

Y10.5, 1968 Letter Symbols for Quantities Used in

Electrical Science and Electrical

Engineering

American National Standard Institute 1430 Broadway New York, New York 10018

#### **Component Values**

Electrical components shown on the diagrams are in the following units unless noted otherwise:

Capacitors = Values one or greater are in picofarads

(pF). Values less than one are in

microfarads (µF).

Resistors = Ohms  $(\Omega)$ .

#### The information and special symbols below may appear in this manual.

#### **Assembly Numbers and Grid Coordinates**

Each assembly in the instrument is assigned an assembly number (e.g., A20). The assembly number appears on the circuit board outline on the diagram, in the title for the circuit board component location illustration, and in the lookup table for the schematic diagram and corresponding component locator illustration. The Replaceable Electrical Parts list is arranged by assemblies in numerical sequence; the components are listed by component number (see following illustration for constructing a component number).

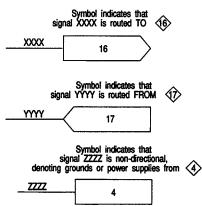
COMPONENT NUMBER EXAMPLE

COMPONENT NUMBER

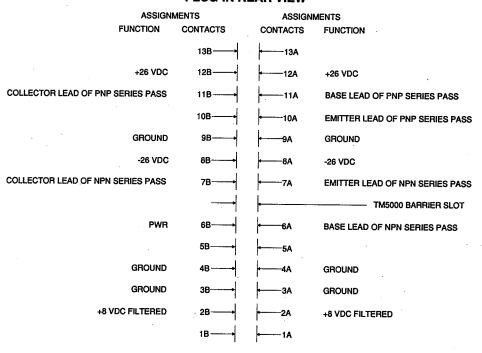
Assembly Schematic Circuit Number
Number (if needed)

Chassis-mounted components have no Assembly Number prefix-see end of Replaceable Electrical Parts List.

The schematic diagram and circuit board component location illustration have grids. A lookup table with the grid coordinates is provided for ease of locating the component. Only the components illustrated on the facing diagram are listed in the lookup table. When more than one schematic diagram is used to illustrate the circuitry on a circuit board, the circuit board illustration may only appear opposite the first diagram on which it was illustrated; the lookup table will list the diagram number of other diagrams that the circuitry of the circuit board appears on.



## A4 DDS BOARD AND A7 OUTPUT BOARD PLUG-IN REAR VIEW



7703-3

Figure 10-1: DDS and Output Board Rear Interface

## REAR INTERFACE GPIB CONNECTOR A3 CPU BOARD PLUG-IN REAR VIEW

ASSIGN	MENTS	ASSIGNMENTS			
FUNCTION	CONTACTS	CONTACTS	FUNCTION		
DIO1	1	2	DIO5		
DIO2	3	4	DIO6		
DIO3	5	6	DIO7		
DIO4	7	8	DIO8		
NC	9	10	NC		
EOI	11	12	IFC		
DAV	13	14	SRQ		
NRFD	15	16	ATN		
NDAC	17	18	REN		
GND	19	20	NC		

7703-4

Figure 10-2: CPU Board GPIB Rear Interface

#### A6 TIMEBASE BOARD PLUG-IN REAR VIEW

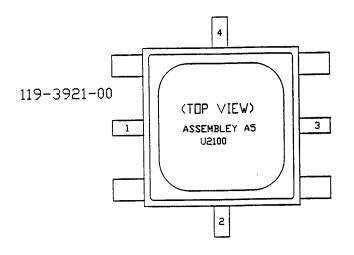
ASSIGNMENTS			ASSIGNMENTS
FUNCTION	CONTACTS	CONTACTS	FUNCTION
	28B	28A	
	27B	27A	
	26B	26A	
	25B	25A	
	24B	24A	
SG BARRIER SLOT	· • • • • • • • • • • • • • • • • • • •	<b>├</b> ──	
	23B	23A	
	22B	22A	
	21B	21A	
	20B	20A	
	19B —→	19A	
	18B	18A	
	17B	17A	
	16B	16A	
TIMEBASE OUT 1	15B	15A	TIMEBASE OUT RETURN 1
EXT TIMEBASE INPUT RETURN 1	14B	14A	EXT TIMEBASE INPUT 1
	13B	13A	
+26 Vdc	12B	12A	+26 Vdc
COLLECTOR LEAD OF PNP SERIES PASS	11B	11A	BASE LEAD OF PNP SERIES PASS
	10B	10A	EMITTER LEAD OF PNP SERIES PASS
GROUND	9B	9A	GROUND
-26 Vdc	8B	A8 ——	-26 Vdc
COLLECTOR LEAD OF NPN SERIES PASS	7В ——	7A	EMITTER LEAD OF NPN SERIES PASS
		┥ ┝──	TM 5000 BARRIER SLOT
PWR	6B	6A	BASE LEAD OF NPN SERIES PASS
•	5B	5A	
GROUND	4B		GROUND
GROUND	3В	<b>——— за</b>	GROUND
+8 FILTERED Vdc	2B	2A	+8 FILTERED Vdc
•	1B	- 1A	

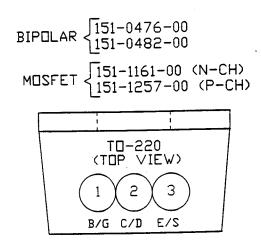
<sup>1</sup> These rear connector functions are active only when the coaxial cables are removed from the front-panel connectors and reconnected to J3050 and J3051 on the A6-Timebase board.

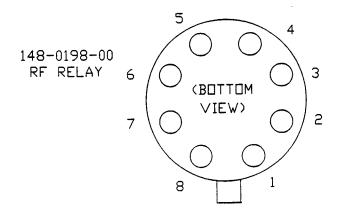
7703--10

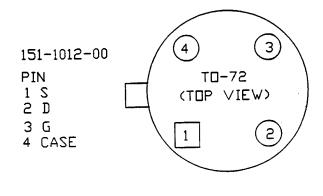
Figure 10-3: Timebase Board Rear Interface

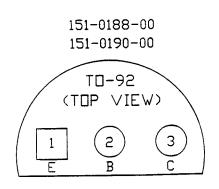
#### **Transistor and Diode Pinout Diagrams**

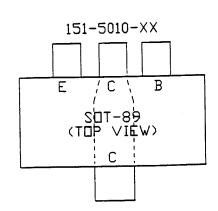












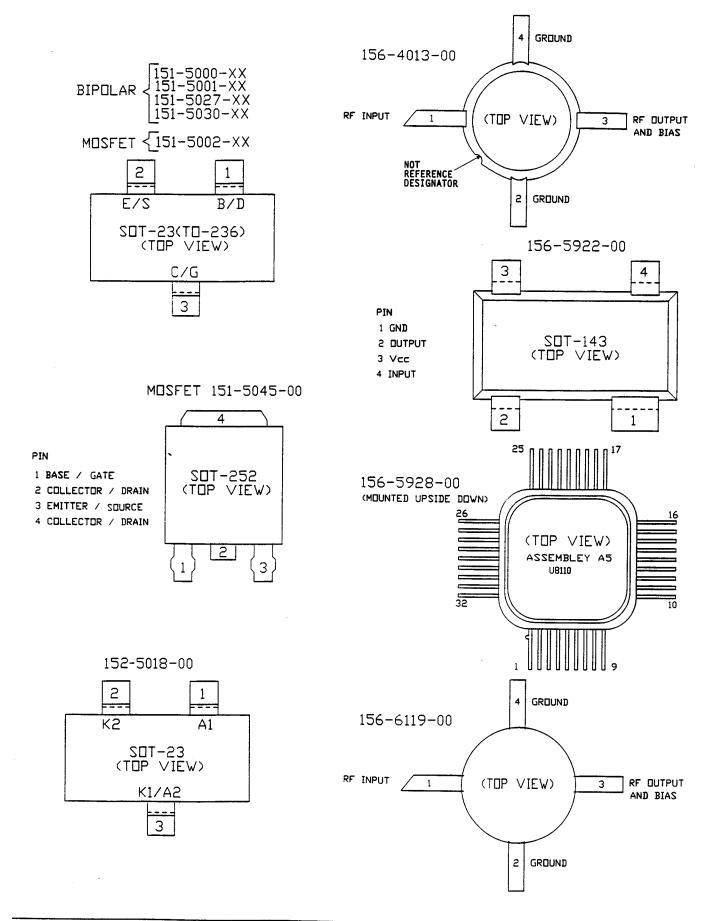


FIG. 1 EXPLODED VIEW

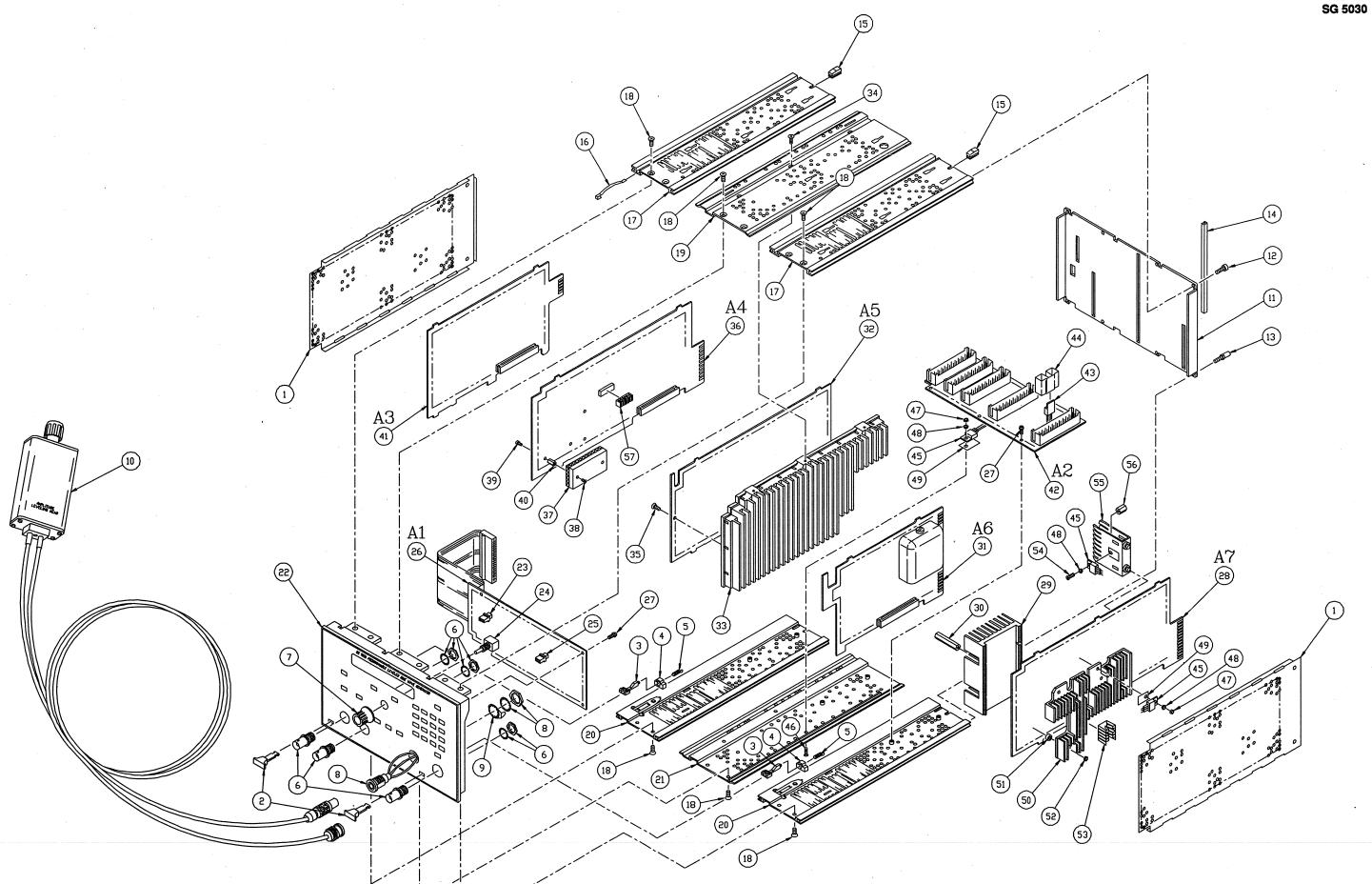


Fig. 10-4. SG 5030 basic block/cabling diagram.

NOTE: Numerals in parenthesis indicate the number of wires in the cable.

P4020 JUMPER P4021 JUMPER

J3031 NOT USED

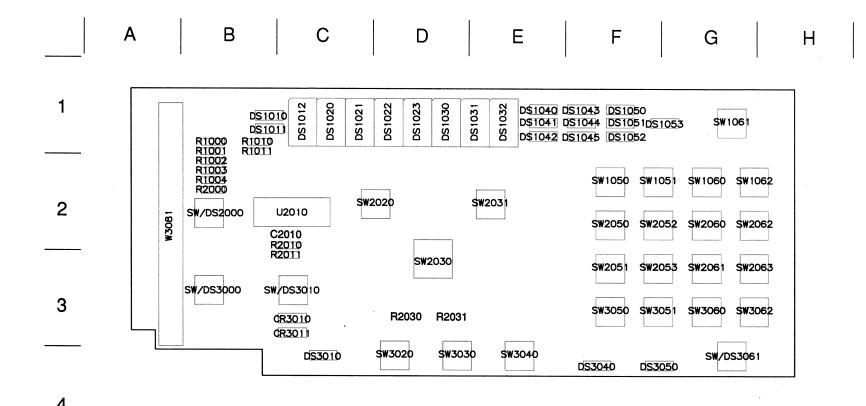
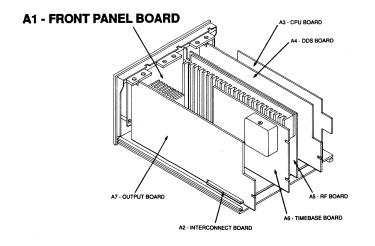


Fig. 10-5. A1 - Front Panel board.



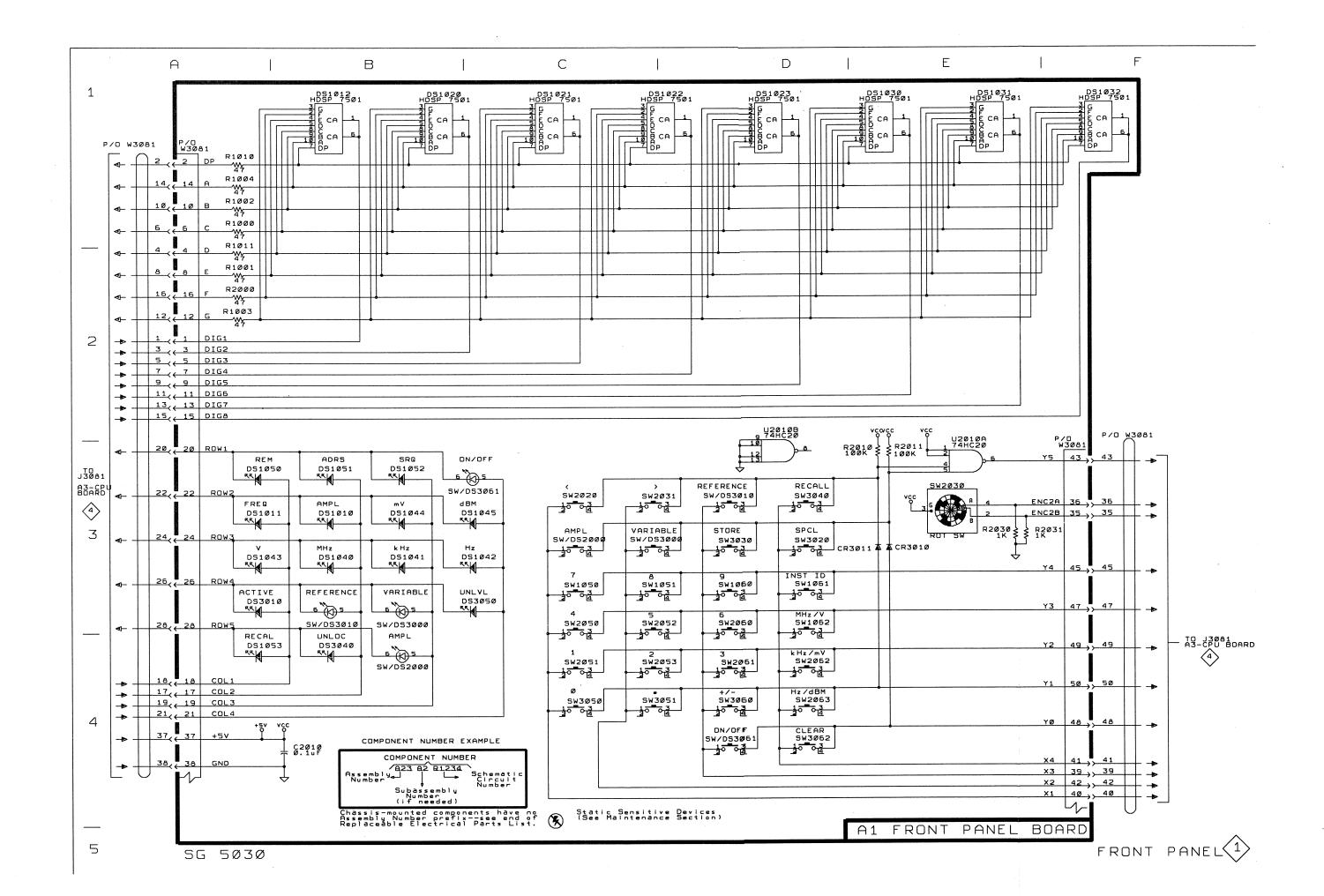
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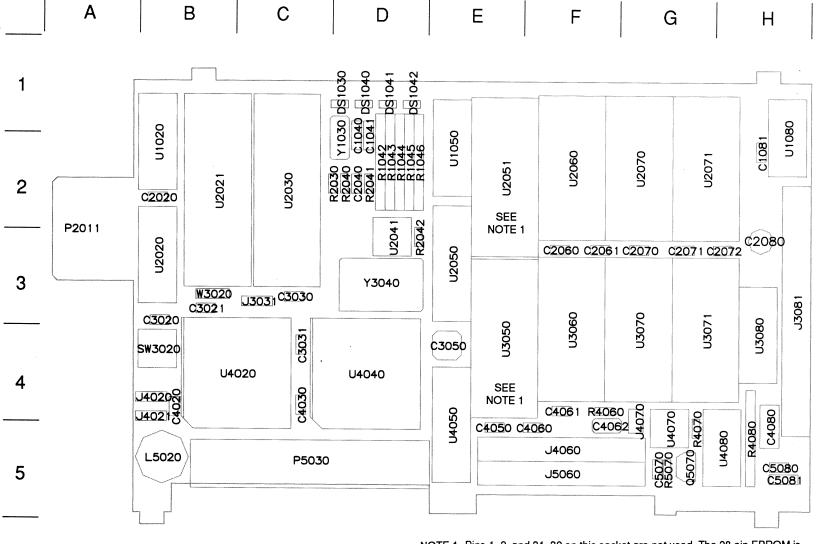
Table 10-1 Component Reference Chart

P/O A1 ASSY

Front Panel (Schematic 1)

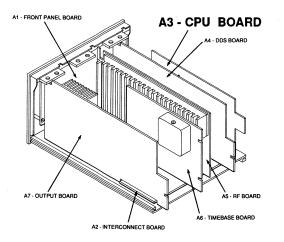
CIRCUIT	SCHEMATIC	BOARD	1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
C2010	B4	C2	1	R2010	E3	C2
	]	02		R2011	E3	C3
CR3010	E3	СЗ	1	R2030	E3	D3
CR3011	E3	C3		R2031	E3	D3
DS1010	B3	B1		SW/DS2000	C3,B4	B2
DS1011	A3	B1		SW/DS3000	D3,B4	B3
DS1012	B1	C1		SW/DS3010	D3,B4	C3
DS1020	B1	C1		SW/DS3061	D4,C3	G4
DS1021	C1	C1		SW1050	С3	F2
DS1022	D1	D1		SW1051	D3	F2
DS1023	D1	D1		SW1060	D3	G2
DS1030	E1	D1		SW1061	D3	G1
DS1031	E1	E1		SW1062	D3	G2
DS1032	F1	E1		SW2020	C3	D2
DS1040	B3	E1		SW2030	D4	D3
DS1041	B3	E1		SW2031	D3	E2
DS1042	С3	E1		SW2050	СЗ	F2
DS1043	A3	F1		SW2051	C4	F3
DS1044	B3	F1		SW2052	D3	F2
DS1045	C3	F1		SW2053	D4	F3
DS1050	A3	F1		SW2060	D3	G2
DS1051	B3	F1		SW2061	D4	G3
DS1052	B3	F1		SW2062	D4	G2
DS1053	A4	G1		SW2063	D4	G3
DS3010	A3	C4		SW3020	D3	D4
DS3040	B4	F4		SW3030	D3	D4
DS3050	C3	F4		SW3040	D3	E4
R1000	A1	B1		SW3050	C4	F3
R1001	A2	B1		SW3051	D4	F3
R1002	A1	B2		SW3060	D4	G3
R1003	A2	B2		SW3062	D4	G3
R1004	A1	B2		U2010A	E3	C2
R1010	A1	B1		U2010B	E3	C2
R1011	A1	B1		W3081	A1,F3	A2
R2000	A2	B2				





NOTE 1 Pins 1, 2, and 31, 32 on this socket are not used. The 28-pin EPROM is properly inserted into its socket when the top four socket pins are empty.

Fig. 10-6. A3 - CPU board.

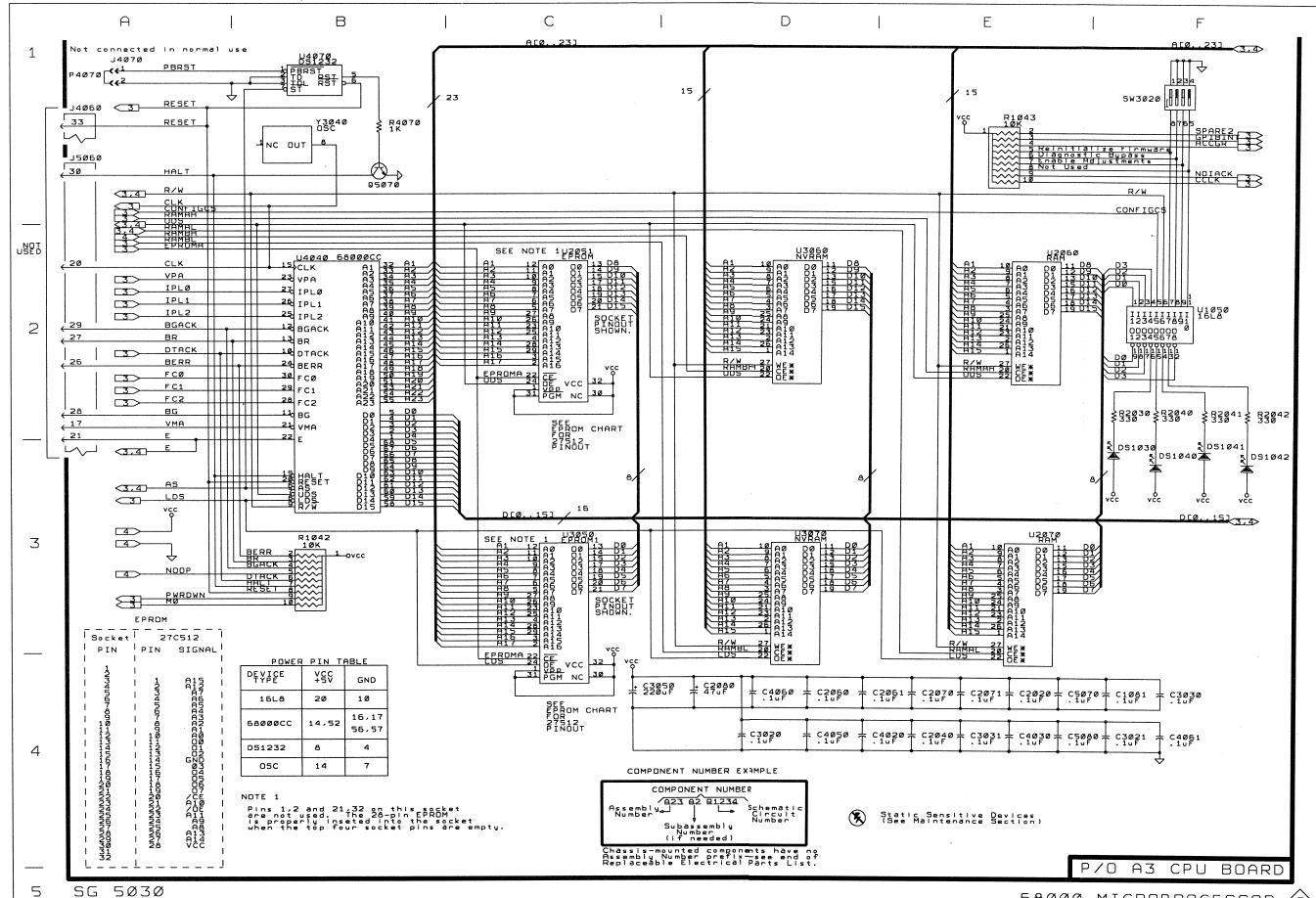


A3-CPU circuit board illustration to be used with diagram 2 through diagram 4

Table 10-2 Component Reference Chart

_									
P/OA3 ASS		6800 Microprocessor (Schematic 2)							
CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD			
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION			
C1081	F4	H2		DS1042	F3	D1			
C2020	E4	B2		J4060	A1	F5			
C2040	E4	D2		J4070	A1	G4			
C2060	D4	F3		J5060	A1	F5			
C2061	D4	F3		Q5070	B1	G5			
C2070	E4	G3		R1042	B3	D2			
C2071	E4	G3		R1043	E1	D2			
C2080	D4	Н3		R2030	F2	D2			
C3020	D4	B3		R2040	F2	D2			
C3021	F4	B3		R2041	F2	D2			
C3030	F4	C3		R2042	F2	D3			
C3031	E4	C4		R4070	B1	G5			
C3050	C4	E4		SW3020	F1	B4			
C4020	D4	B4		U1050	F2	E2			
C4030	E4	C4		U2051	C2	E2			
C4050	D4	E5		U2060	E2	F2			
C4060	D4	F5		U2070	E3	G2			
C4061	F4	F4		U3050	C3	E4			
C5070	E4	G5		U3060	D2	F4			
C5080	E4	H5		U3070	D3	G4			
DS1030	F3	D1		U4040	B2	D4			
DS1040	F3	D1		U4070	B1	G5			
DS1041	F3	D1		Y3040	B1	D3			

P/O A3 ASSY also shown on Schematics 3 & 4.



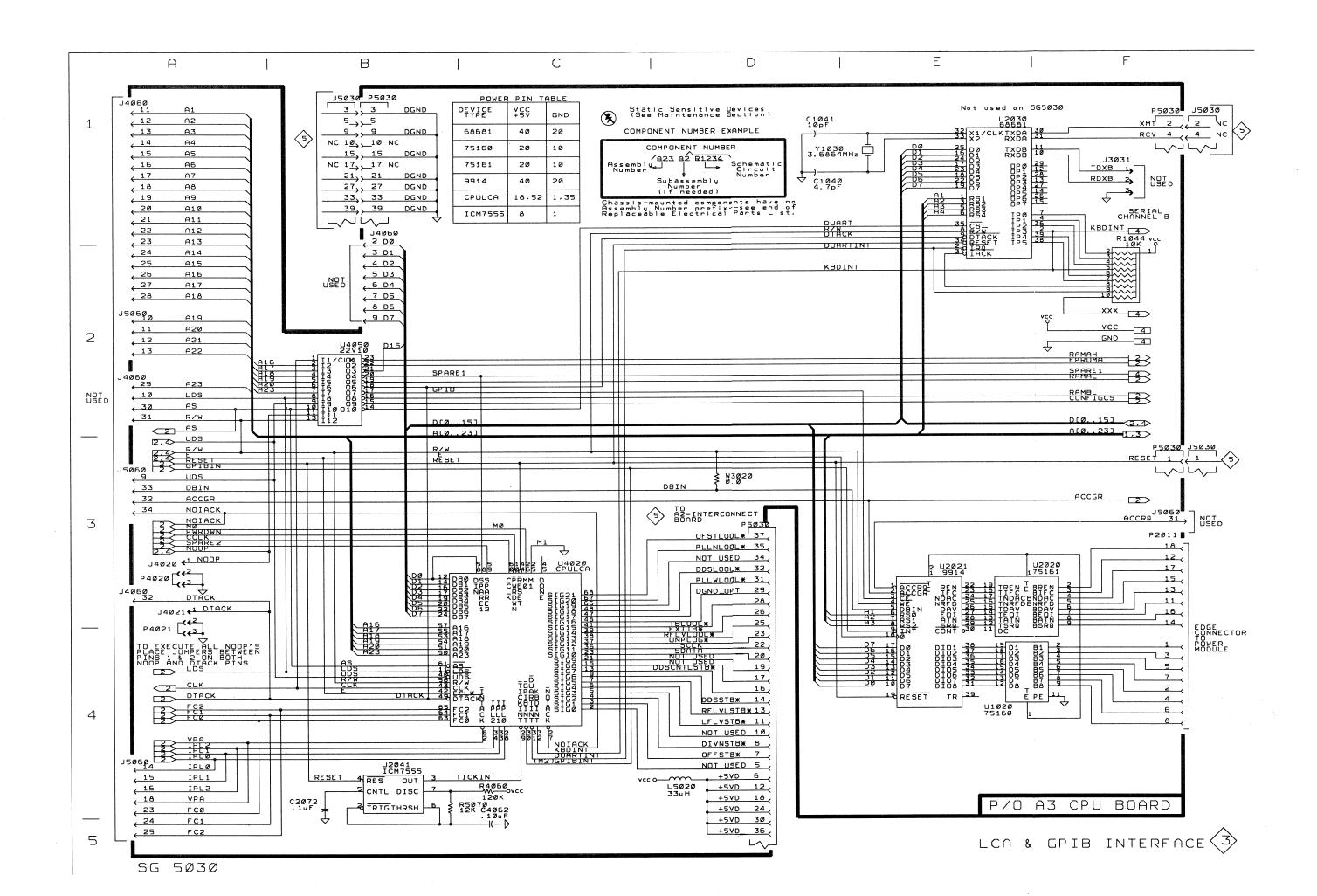
Note: A3 - CPU circuit board illustration located on reverse side of Schematic 1.

Table 10-3
Component Reference Chart

P/O A3 ASSY LCA/GPIB Interface (Schematic 3)

CIRCUIT	SCHEMATIC	BOARD	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION	NUMBER	LOCATION	LOCATION
C1040	D1	D2	P5030	B1,D3,F1,F3	C5
C1041	D1	D2	R1044	F2	D2
C2072	B4	Н3	R4060	C4	F4
C4062	C4	F4	R5070	B4	G5
J3031	F1	C3	U1020	E4	B2
J4020	A3	B4	U2020	F3	B3
J4021	A3	B4	U2021	E3	B2
J4060	A1,A2,A3,B1	F5	U2030	E1	C2
J5030	B1,F1,F3	p/o Assy A2	U2041	B4	D3
J5060	A2,A3,A4,F3	F5	U4020	C3	B4
L5020	D4	B5	U4050	B2	<b>E</b> 5
P4020	A3	B4	W3020	D3	B3
P4021	A4	B4	Y1030	D1	D2
P2011	F3	<b>A</b> 3			

P/O A3 ASSY also shown on Schematics 2 & 4.



Note: A3-CPU circuit board illustration located on reverse side of Schematic 1

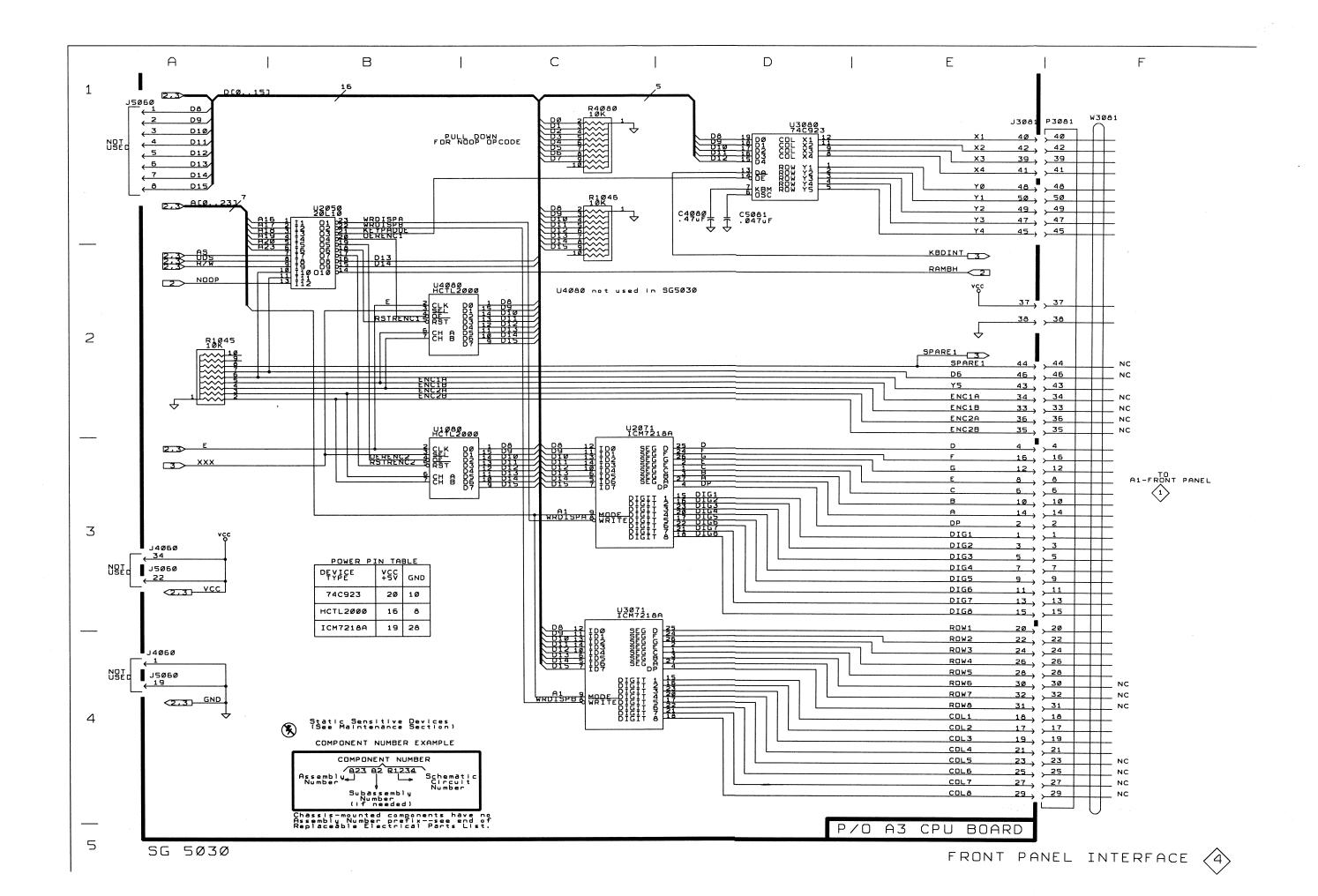
Table 10-4
Component Reference Chart

P/O A3 ASSY

Front Panel Interface (Schematic 4)

CIRCUIT	SCHEMATIC	BOARD	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION	NUMBER	LOCATION	LOCATION
C4080	D1	H5	R4080	C1	H5
C5081	D1	H5	U1080	B3	H2
J3081	E1	H3	U2050	B1	E3
J4060	A3,A4	F5	U2071	C3	G2
J5060	A1,A3,A4	F5	U3071	C4	G4
P3081	F1	p/o Assy A1	U3080	D1	H4
R1045	A2	D2	U4080	B2	H5
R1046	C1	D2	W3081	F1	p/o Assy A1

P/O A3 ASSY also shown on Schematics 2 & 3



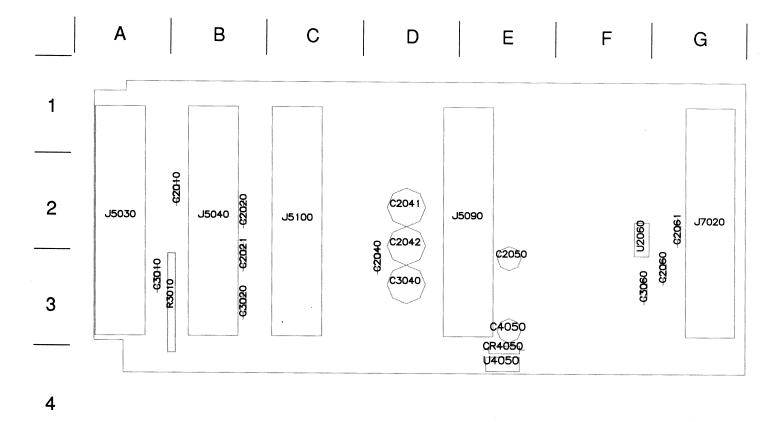
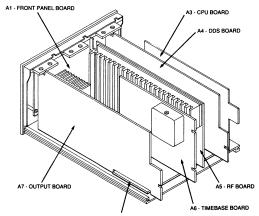


Fig. 10-7. A2 - Interconnect board.



A2 - INTERCONNECT BOARD

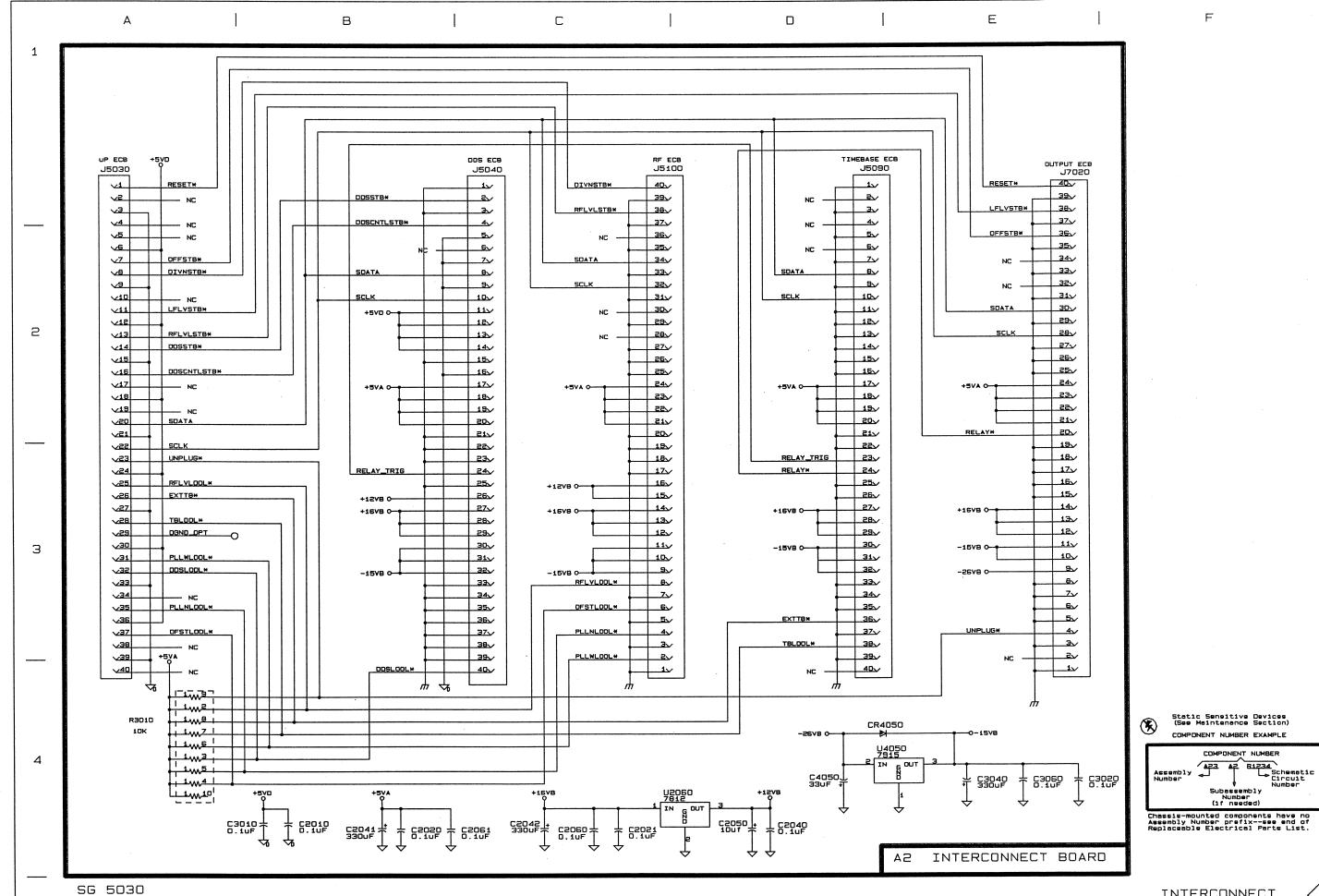
Table 10-5
Component Reference Chart

1	P/	0	Δ	2	Δ	S	S	V
	•	v	~	-	_	J	J	

Interconnect (Schematic 5)

CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION
CR4050	D4	E3
C2010	B4	B2
C2020	B4	B2
C2021	C4	В3
C2040	D4	D3
C2041	B4	D2
C2042	C4	D2
C2050	D4.	E2
C2060	. C4	G3
C2061	C4	G2
C3010	B4	<b>A3</b>
C3020	E4	B3
C3040	E4	D3
C3060	E4	F3
C4050	D4	E3
J5030	A1	A2

7	CIRCUIT	SCHEMATIC	BOARD
	NUMBER	LOCATION	LOCATION
	J5040	C1	B2
	J5090	D1	E2
	J5100	C1	C2
	J7020	E1	G2
	R3010A	A4	В3
	R3010B	A4	B3
	R3010C	A4	B3
	R3010D	A4	B3
	R3010E	A4	В3
	R3010F	A4	В3
Ì	R3010G	A4	B3
	R3010H	A4	В3
ŀ	R3010I	A4	В3
	U4050	E4	E4
	U2060	D4	F2



5

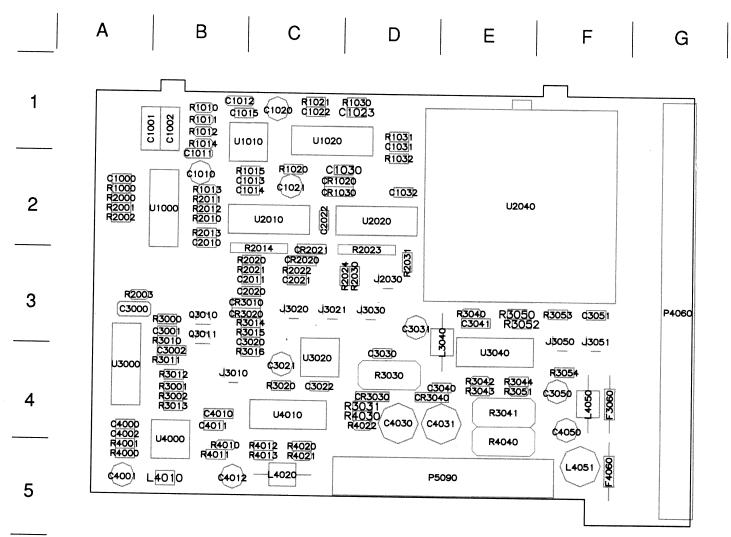
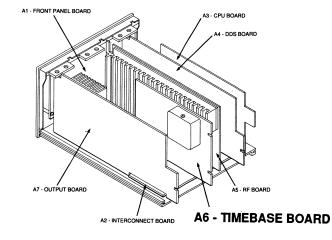


Fig. 10-8. A6 - Timebase board.



A6-Timebase circuit board illustration to be used with diagram 6 and diagram 7

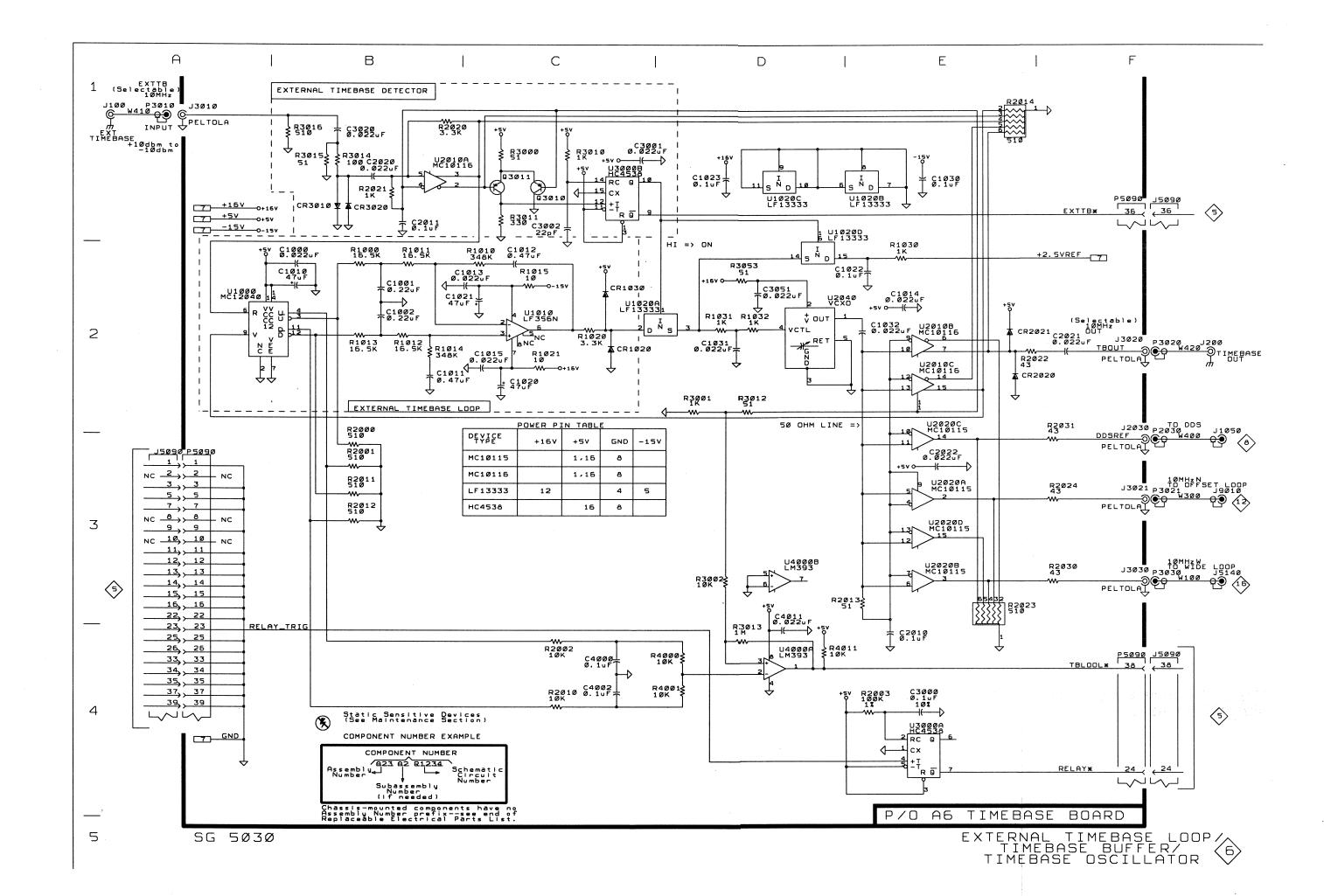
Table 10-6
Component Reference Chart

P/O A6 ASSY

External Timebase Lockloop/Timebase Buffer/ Timebase Oscillator (Schematic 6)

	T	7		,		-
CIRCUIT	SCHEMATIC	BOARD	1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
CR1020	C2	C2	1	R1021	C2	C1
CR1030	C2	C2		R1030	E2	D1
CR2020	E2	C3		R1031	D2	D1
CR2021	E2	C2		R1032	D2	D2
CR3010 CR3020	B1	C3		R2000	B3	A2
C1000	B1 B2	C3 A2		R2001 R2002	B3	A2
C1000	B2	A2 A1		R2002	C4	A2
C1002	B2	B1		R2003	E4 C4	A3
C1010	B2	B2		R2010	B3	B2 B2
C1011	B2	B2		R2012	B3	B2
C1012	C2	B1		R2013	E3	B2
C1013	B2	C2		R2014	E1	C2
C1014	E2	C2		R2020	B1	C3
C1015	C2	B1		R2021	B1	СЗ
C1020	C2	C1		R2022	E2	C3
C1021	C2	C2		R2023	E3	D2
C1022	E2	C1	l	R2024	F3	D3
C1023	D1 -	D1		R2030	F3	D3
C1030 C1031	E1	D2		R2031	F3	D3
C1031	D2 E2	D1 D2	l	R3000	C1	B3
C2010	E4	B2	ł	R3001 R3002	D2	B4
C2011	B1	C3		R3010	D3 C1	B4
C2020	B1	C3	-	R3010	C1	B3 B4
C2021	F2	C3		R3012	D2	B4
C2022	E3	C2		R3013	D4	B4
C3000	E4	A3		R3014	B1	СЗ
C3001	C1	В3		R3015	B1	C3
C3002	C1	B4		R3016	B1	C4
C3020	B1	C3		R3053	D2	F3
C3051	D2	F3		R4000	D4	<b>A</b> 5
C4000	C4	A4		R4001	D4	<b>A</b> 5
C4002 C4011	C4	A4	İ	R4011	D4	B5
J1050	D4 F3	B4		U1000	A2	B2
J2030	F3 F3	CHASSIS D3		U1010	C2	C1
J3010	A1	B4	l	U1020A U1020B	C2 E1	C1
J3020	F2	C3		U1020B	D1	C1 C1
J3021	F3	C3		U1020D	D2	C1
J3030	F3	D3		U2010A	B1	C2
J5140	F3	CHASSIS		U2010B	E2	C2
J5090	A3,F1,F4	CHASSIS		U2010C	E2	C2
J9010	F3	CHASSIS		U2020A	E3	D2
P2030	F3	CHASSIS		U2020B	E3	D2
P3010	A1	CHASSIS		U2020C	E3	D2
P3020	F2	CHASSIS		U2020D	E3	D2
P3021	F3	CHASSIS		U2040	D2	E2
P3030 P5090	F3	CHASSIS		U3000A	E4	A4 .
Q3010	A3,F1,F4 C1	E5 B3		U3000B	C1	A4
Q3010	C1	B3	-	U4000A	D4	B4
R1000	B2	A2		U4000B CHASSIS MOL	D3	B4
R1010	C2	R1		J100	A1	CHASSIS
R1011	B2	B1		J200	F2	CHASSIS
R1012	B2	B1		W100	F3	CHASSIS
R1013	B2	B2		W300	F3	CHASSIS
R1014	B2	B1		W400	F3	CHASSIS
R1015	C2	C2		W410	A1	CHASSIS
R1020	C2	C2		W420	F2	CHASSIS

P/O A6 ASSY also shown on Schematic 7



Note: A6 - Timebase circuit board illustration located on reverse side of Schematic 5.

Table 10-7
Component Reference Chart

P/O A6 ASSY

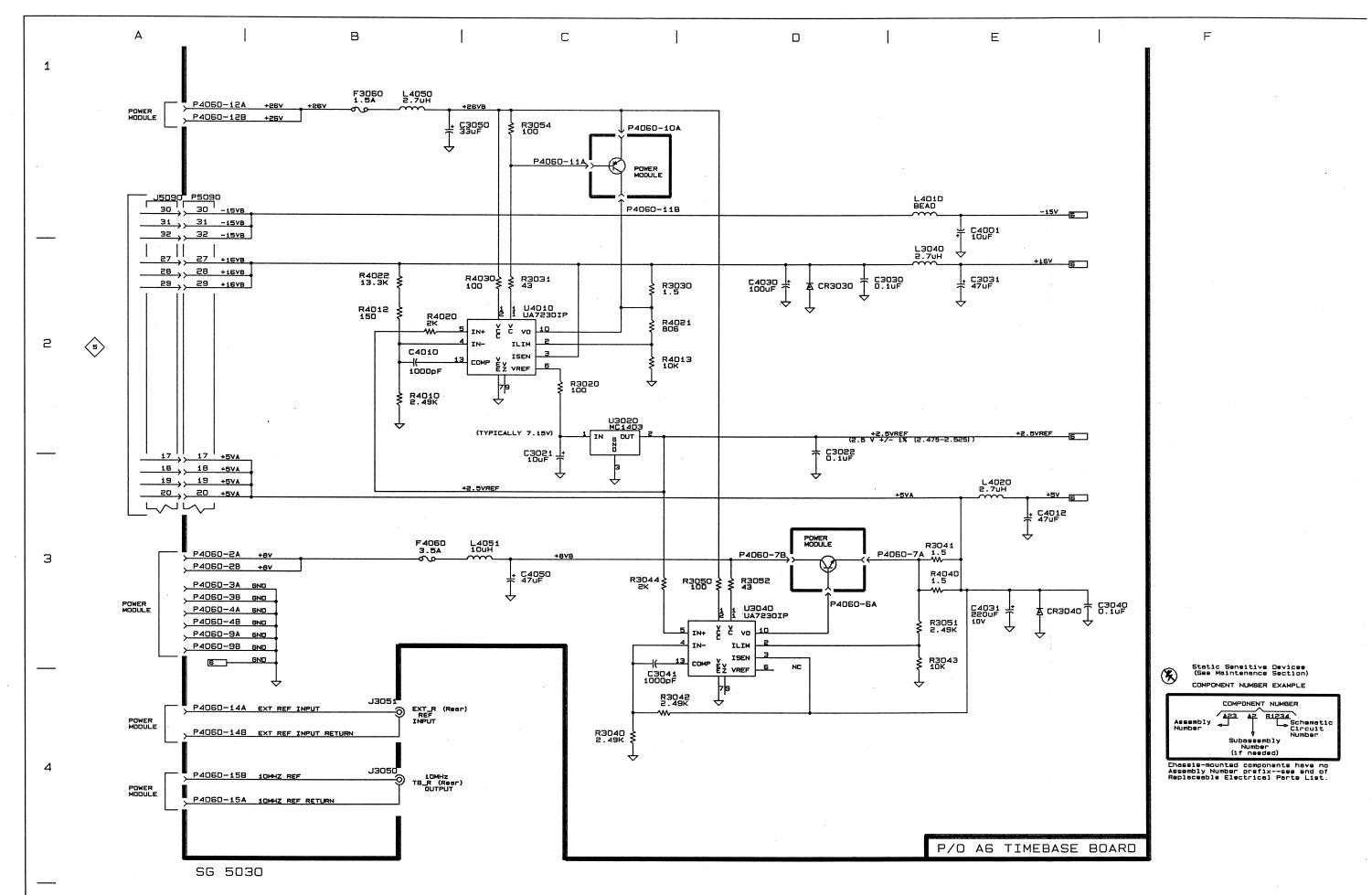
Timebase (Schematic 7)

BOARD LOCATION

> **E**5 C4 D4 Ď4 E3 E4 E4 **E4** E4 **E**3 **E**4 **E**3 F4 **B5** C5 C5 C5 C5 D4 D4 E4 C4 E4 C4

L		<del></del>				
	CIRCUIT	SCHEMATIC	BOARD	]	CIRCUIT	SCHEMATIC
	NUMBER	LOCATION	LOCATION		NUMBER	LOCATION
	CR3030	D2	D4		P4060	A1,A3,A4, C1,D3
	CR3040	E3	D4			
	C3021	C2	C4		P5090	A1
	C3022	D2	C4		R3020	C2
	C3030	D2	D4		R3030	C2
	C3031	E2	D3		R3031	C2
	C3040	E3	E4		R3040	C4
	C3041	C3	E3		R3041	E3
	C3050	B1	F4		R3042	C4
	C4001	E1	A5		R3043	E3
١	C4010	B2	B4		R3044	C3
ı	C4012	E3	B5		R3050	D3
	C4030	D2	D4		R3051	E3
	C4031	E3	E4		R3052	D3
	C4050	C3	F4		R3054	C1
	F3060	B1	F4		R4010	B2
I	F4060	B3	F5		R4012	B2
ı	J3050	B4	F3		R4013	C2
١	J3051	B4	F3		R4020	B2
	J5090	A1	CHASSIS		R4021	C2
	L3040	E2	E3		R4022	B2
١	L4010	E1			R4030	C2
l	L4020	I - 1	B5		R4040	E3
		E3	C5		U3020	C2
	L4050	B1	F4		U3040	D3
	L4051	C3	F5		U4010	C2
L				"		

P/O A6 ASSY also shown on Schematic 6



5

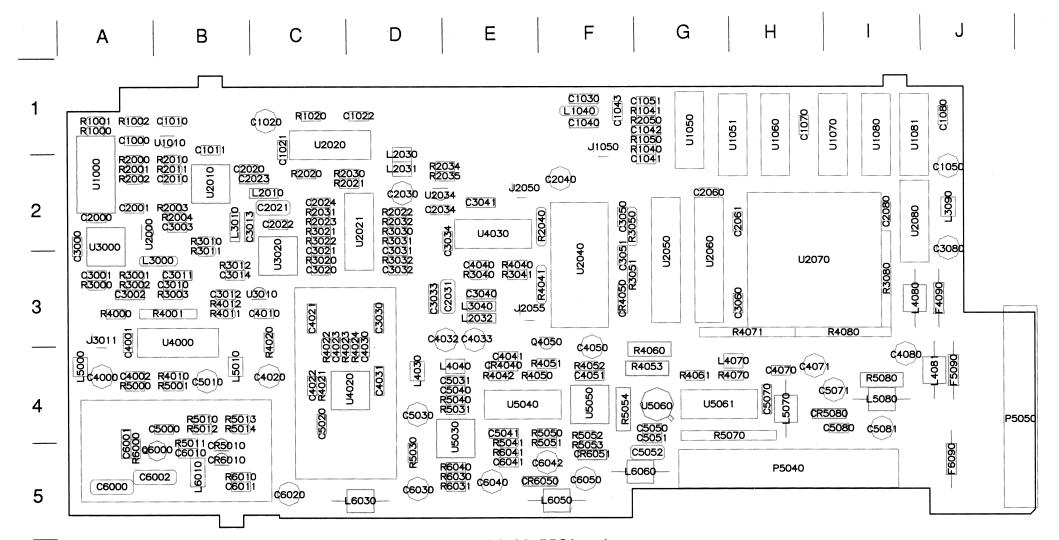
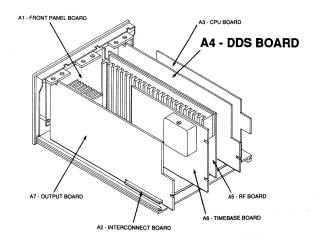


Fig. 10-9. A4 - DDS board.



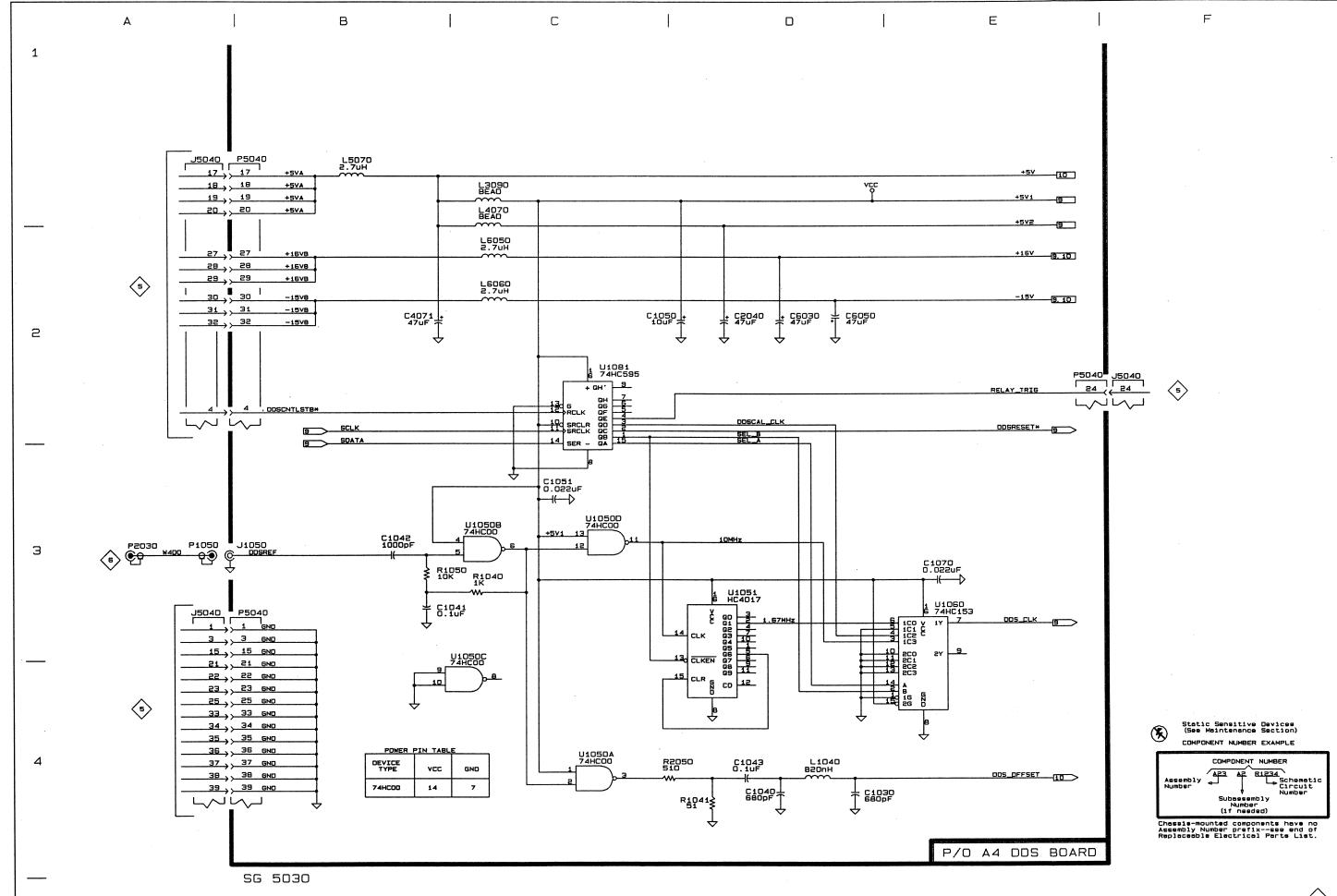
A4-DDS circuit board illustration to be used with diagrams 8 through 11

Table 10-8
Component Reference Chart

P/O A4 ASSY DDS Clock (Schematic 8)

CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION
C1030	D4	F1
C1040	D4	F1
C1041	B3	G2
C1042	B3	G1
C1043	D4	F1
C1050	D2	J2
C1051	C3	G1
C1070	E3	.H1
C2040	D2	F2
C4071	B2	H4
C6030	D2	D5
C6050	D2	F5
J1050	B3	F1
J5040	A1,A3,B3,F2	p/o Assy A2
L1040	D4	F1
L3090	C1	J2
L4070	C1	H4
L5070	B1	H4
L6050	C2	F5
L6060	C2	G5
P1050	A3	CHASSIS
P2030	A3	CHASSIS
P5040	B1,B3,E2	H5
R1040	C3	G1
R1041	D4	G1
R1050	B3	G1
R2050	C4	G1
U1050A	C3	G1
U1050B	C4	G1
U1050C	C4	G1
U1050D	C3	<b>G</b> 1
U1051	D3	H1
U1060	E3	'H1
U1081	C2	<u> </u>
	SSIS MOUNTED	
W400	A3	CHASSIS

P/O A4 ASSY also shown on Schematics 9, 10 & 11.



Note: A4 - DDS circuit board illustration located on reverse side of Schematic 7.

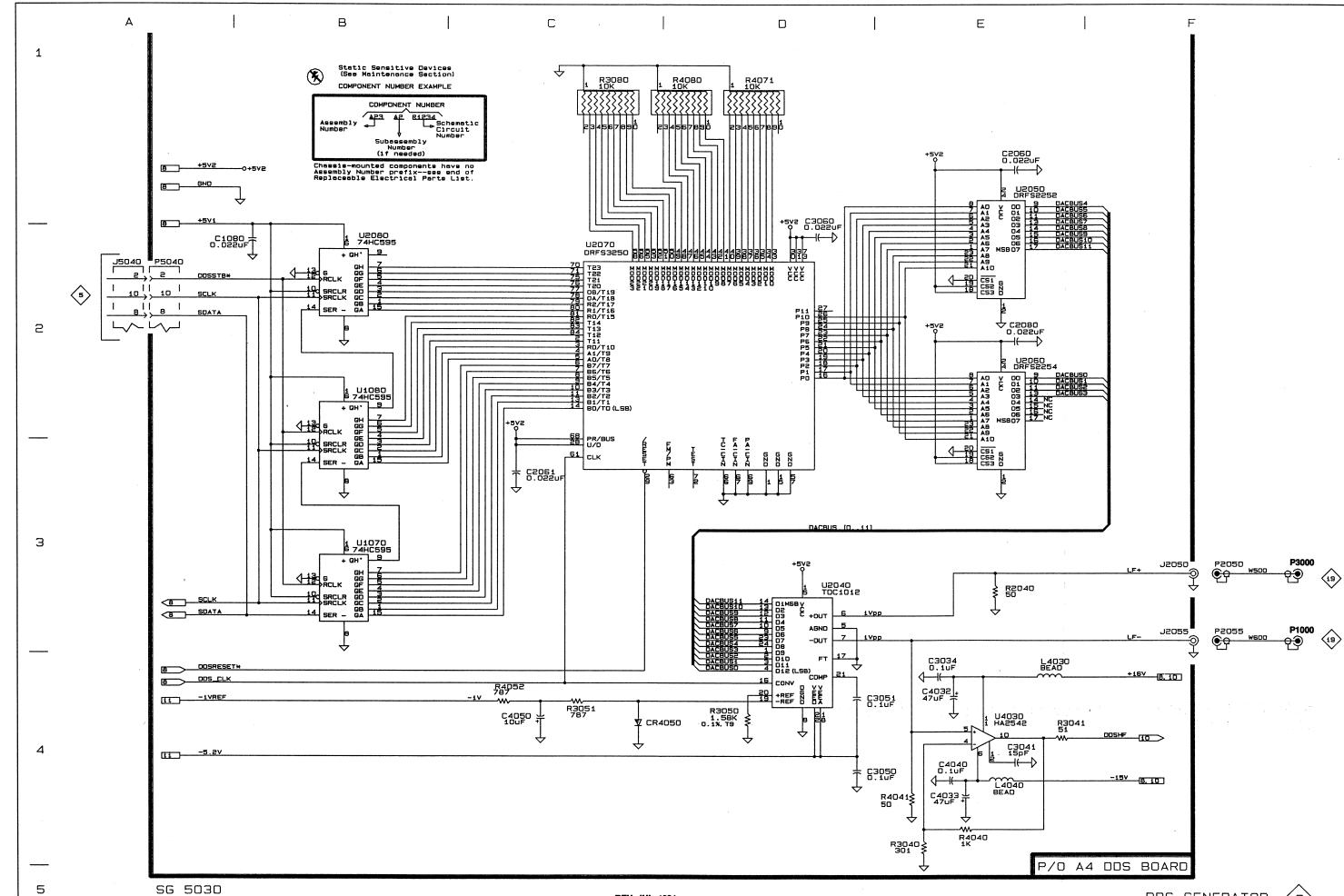
Table 10-9 Component Reference Chart

P/O A4 ASSY

DDS Generator (Schematic 9)

CIRCUIT	SCHEMATIC	BOARD	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION	NUMBER	LOCATION	LOCATION
CR4050	C4	F3	P5040	A2	H5
C1080	B2	J1	R2040	E3	F2
C2060	E1	G2	R3040	E4	E3
C2061	C3	H2	R3041	E4	E3
C2080	E2	12	R3050	D4	F2
C3034	E4	E2	R3051	C4	F3
C3041	E4	E2	R3080	C1	<b>I3</b>
C3050	D4	F2	R4040	E4	E3
C3051	D4	F3	R4041	E4	F3
C3060	D2	H3	R4052	C4	F4
C4032	E4	D3	R4071	D1	H3
C4033	E4	E3	R4080	D1	13
C4040	E4	E3	U1070	B3	11
C4050	C4	F4	U1080	B2	11
J2050	F3	E2	U2040	D3	F3
J2055	F3	E3	U2050	E1	G3
J5040	A2	p/o Assy A2	U2060	E2	G3
L4030	E4	D4	U2070	C2	Н3
L4040	E4	E4	U2080	B2	12
P1012	F3	CHASSIS	U4030	E4	E2
P2010	F3	CHASSIS	CHAS	SIS MOUNTED F	PARTS
P2050	F3	CHASSIS	W500	F3	CHASSIS
P2055	F3	CHASSIS	W600	F3	CHASSIS

P/O A4 ASSY also shown on Schematics 8, 10 & 11.



DDS GENERATOR <

Note: A4 - DDS circuit board illustration located on reverse side of Schematic 7.

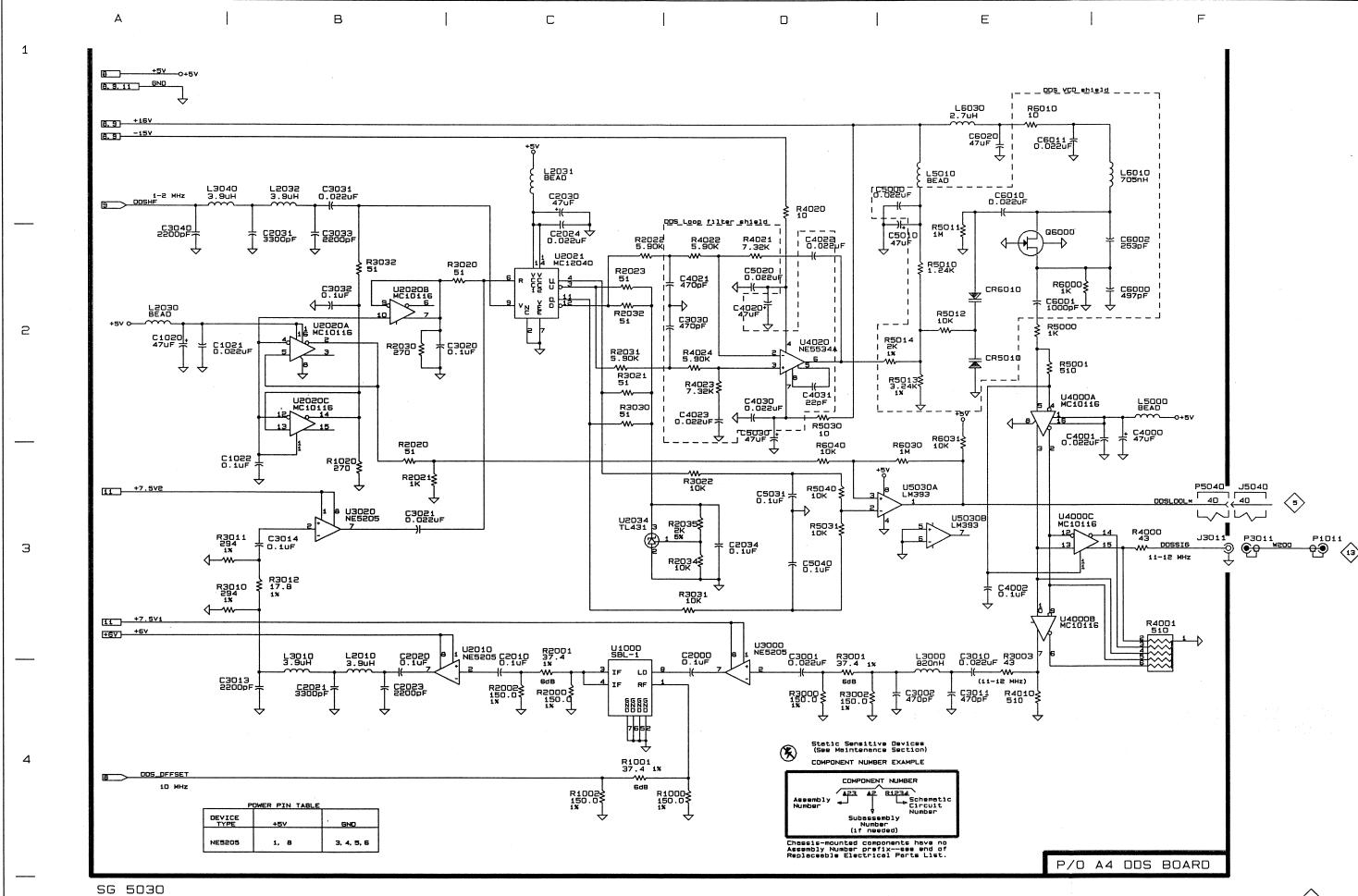
Table 10-10 Component Reference Chart

P/O A4 ASSY

DDS Loop (Schematic 10)

NUMBER LOCATION LOCATION   CORTION   CREDIT   SCHEMATIC   LOCATION   OLDOLUT	COLUMN	BOARD	1	OIDOLUT.	00115111510		
CR6910	CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD
CR8010	MARKET THE PARTY OF THE PARTY O				NUMBER	LOCATION	LOCATION
CR6650	ł			1	i	3	
C1020						1	
C1021					II.	1	1
C1022						1	1
C2800						1	1
C2010	1					l .	1
C20201   B4					i e	!	D2
C2021	1						
C2024   C2		1			R2023	C2	C2
C2024	1	1				I	
C20301   B2		1					C2
C2031	1	1					
C2034	i .	1				1	
C3001						1	1
C30010					1	I .	
C3010					1	1	
C3011	1	1			1	ł –	1
C3014	1				1	1	
C3014   B3   B3   B3   R3012   B3   B3   B3   C3020   C2   C2   C3   C3021   B3   C3   R3022   C2   C2   C2   C2   C3   C3030   D2   D3   R3022   D3   C2   C2   C2   C3   C3033   B1   D3   R3030   C2   D2   C3032   B2   D3   R3031   D3   D2   C3033   B2   D3   R3031   D3   D2   C3033   B2   D3   R3031   D3   D2   C3033   B2   D3   R3032   B3   R30322   B3   R	1	1				ł	1
G3021 B3 C3 R3020 C2 C3 C3 C3 C3021 B3 C3 R3021 C2 C2 C2 C3 C3030 D2 D3 R3022 D3 C2 C2 C2 C2 C3 C3031 B1 D3 R3020 C2 D2 D2 C3031 B1 D3 R3020 C2 D2 C3 C3032 B2 D3 R3032 R3 C3040 A2 E3 R4000 F3 A3 R4001 F3 B3 R4001 F3 B3 R4001 F2 R3 R4002 D1 C3 C4002 D2 C4 R4020 D1 C3 C4002 D2 C4 R4020 D1 C3 C4002 D2 C4 R4021 D2 C4 C4002 D2 C3 R4022 D2 C4 R4022 D2 C4 C4002 D2 D4 R4023 D2 C4 C4002 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R4024 D2 D4 R5000 E2 R4 R5011 E2 B4 R5011 E2 E2 B4 R5011 E2 B4 R5011 E2 E2 B4 R5011 E2 E2 E3 E3 E4 E4 E3 E3 E4 E4 E3 E3 E4		1			•		
C3021		1					
C3030	1	1			1		1
C3031	1	1			I .	ł .	1
C3032 B2 D3 R3031 D3 D2 C3033 B2 D3 R3032 B2 D3 C3040 A2 E3 R4000 F3 A3 C4000 F2 A4 R4001 F3 B3 C4001 F2 A3 R4010 E4 B4 C4002 E3 A4 R4001 F3 B3 C4020 D2 C4 R4021 D2 C4 C4021 D2 C3 R4022 D2 C4 C4021 D2 C4 R4022 D2 C4 C4022 D2 D4 R4023 D2 C4 C4023 D2 C4 R4024 D2 D2 D4 C4030 D2 D4 R5000 E2 B4 C4030 D2 D4 R5000 E2 B4 C5000 E1 B4 R5001 E2 B4 C5000 E1 B4 R5011 E2 B4 C5000 E1 B4 R5011 E2 B4 C5000 D2 D4 R5011 E2 B4 C5000 D3 E4 R5011 E2 B4 C5000 D5 P3 R5013 E2 B4 C5000 D5 P4 R5011 E2 B5 C5020 D2 D4 R5013 E2 B4 C5000 D5 P5 P5 R5013 E2 B4 C5000 D6 P5 P5 R5013 E2 B4 C5000 F2 A5 R5031 D3 E4 C5000 E1 B5 R6000 E2 A5 C6001 E1 B5 R6000 E2 A5 C6001 E1 B5 R6000 E2 A5 C6001 E1 B5 R6000 E2 A5 C6001 E1 B5 R6000 E2 B5 C6000 E2 A5 C6000 E2 A5 C6000 E2 B3 B3 C14ASSIS C1ASSIS	1	1			1		1
C3033 B2 D3 R3032 B2 D3 C3040 A2 E3 R4000 F3 A3 C4000 F2 A4 R4001 F3 B3 C4001 F2 A3 R4000 F3 B3 C4001 F2 A4 R4001 F3 B3 C4002 E3 A4 R4010 E4 B4 C4002 D1 C3 C4020 D2 C4 R4021 D2 C4 C4021 D2 C3 R4022 D2 C4 C4022 D2 D4 R4023 D2 C4 C4033 D2 C4 R4024 D2 D4 C4030 D2 D4 R5000 E2 A4 C4031 D2 D4 R5001 E2 B4 C5000 E1 B4 R5011 E2 B4 C5000 E1 B4 R5011 E2 B5 C5020 D2 D4 R5011 E2 B4 C5000 D3 E4 R5012 E2 B4 C5031 D3 E4 R5012 E2 B4 C5031 D3 E4 R5012 E2 B4 C5000 D3 E4 R5013 E2 B4 C5000 D3 E4 R5010 E2 B4 C5001 E1 B5 R6030 D2 D5 C6000 F2 A5 R5031 D3 E4 C6000 F2 A5 R5040 D3 E4 C6001 E1 B5 R6030 D2 D5 C6001 E1 B5 R6030 E2 A5 C6001 E1 B5 R6030 E3 E5 C6010 E4 B3 U2020C B2 C1 C1 U2020B B2 C1 C1 U2020B B3 C3 C3 U4000 E4 B3 U2020C B2 C1 C4 C4000 E3 B3 E4 C4 C6000 E2 A4 U3000 E3 B3 E4 C4 C6000 E3 B3 B3 C6000 E4 B3 U4000 E3 E3 E4 C6000 E4 B3 U4000 E3 E3 E4 C6000 E4 B3 U4000 E3 E4 C6000 E4 B3 U4000 E3 E4 C6000 E4 B4 U4000 E3 E4 C6000 E5 A4 C6000 E5 E5 C6000 E5 E5 C6000 E5 E5 C60000 0 E5 E5 C6000000000000000000000000000000000000		1	· ·	l		1	1
C3040         A2         E3         R4000         F3         A3           C4001         F2         A4         R4001         F3         B3           C4001         F2         A3         R4010         E4         B4           C4002         E3         A4         R4020         D1         C3           C4020         D2         C4         R4021         D2         C4           C4021         D2         C3         R4022         D2         C4           C4022         D2         D4         R4023         D2         C4           C4023         D2         C4         R4024         D2         D4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5011         E2         B4           C5010         E1         B4         R5011         E2         B4           C5020         D2         D4         R5012         E2         B4           C5031         D3         E4         R5014         E2         B4	1	1			I .		1
C4000 F2 A3 R4010 F3 B3 C44001 F3 B3 B3 C44002 F3 A4 R4020 D1 C3 C4002 C4 R4021 D2 C4 R4021 D2 C4 C4021 D2 C4 R4021 D2 C4 C4022 D2 D4 R4023 D2 C4 C4023 D2 C4 R4024 D2 D4 C4023 D2 C4 R4024 D2 D4 C4023 D2 C4 R4024 D2 D4 C4030 D2 D4 R5000 E2 A4 C4031 D2 D4 R5001 E2 B4 C5000 E1 B4 R5011 E2 B4 C5010 E1 B4 R5011 E2 B4 C5010 E1 B4 R5011 E2 B4 C5030 D2 D4 R5013 E2 B4 C5031 D3 E4 R5014 E2 B4 C5031 D3 E4 R5014 E2 B4 C5031 D3 E4 R5031 D3 E4 R5031 D3 E4 C5000 F2 A5 R5031 D3 E4 R5031 D3 E4 R5031 D3 E4 C5000 F2 A5 R5031 D3 E4 C5000 E2 A5 R5040 D3 E4 R5012 E2 B4 C5001 E2 A5 R5040 D3 E4 R5010 E2 B4 C5001 E2 B4 C5001 E2 B4 C5001 E2 B4 C5001 E2 B4 C5001 E2 B4 C5000 E2 A5 R5031 D3 E4 C5000 E2 A5 R5031 D3 E4 C5000 E2 A5 R5040 D3 E4 R5013 E2 B4 C5040 D3 E4 R5014 E2 B4 C5040 D3 E4 R5014 E2 B4 C5040 D3 E4 R5010 E2 B4 C5040 D3 E4 R5010 E2 E5 C5000 E2 A5 R5040 D3 E4 R5040 D3 E4 C5040 D3 E5 C504	1	i i		l	ſ	1	1
C4001         F2         A3         R4010         E4         B4           C4002         E3         A4         R4020         D1         C3           C4021         D2         C4         R4021         D2         C4           C4021         D2         C3         R4022         D2         C4           C4023         D2         C4         R4023         D2         C4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5000         E2         A4           C5000         E1         B4         R5001         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5033         D2         D5           C6000         F2         A5         R5031         D3         E4	F .			İ	i .		1
C4002         E3         A4         R4020         D1         C3           C4020         D2         C4         R4021         D2         C4           C4021         D2         C3         R4022         D2         C4           C4022         D2         D4         R4023         D2         C4           C4033         D2         D4         R5000         E2         A4           C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5001         E2         B4           C5010         E1         B4         R5011         E2         B4           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5012         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R6000         E2         A5	l l						1
C4020         D2         C4         R4021         D2         C4           C4021         D2         C3         R4022         D2         C4           C4022         D2         D4         R4023         D2         C4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5000         E2         A4           C5000         E1         B4         R5001         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5012         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5033         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6001         E1         B5         R6030         E3         E5	1			l			1
C4021         D2         C3         R4022         D2         C4           C4022         D2         D4         R4023         D2         C4           C4023         D2         C4         R4024         D2         D4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5010         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5030         D2         D5           C6001         E2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6001         E1         B5         R6000         E3         A5	1			l	4	l .	i e
C4022         D2         D4         R4023         D2         C4           C4023         D2         C4         R4024         D2         D4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5000         E2         A4           C5000         E1         B4         R5010         E2         B4           C5001         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5013         E2         B4           C5031         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C5001         E2         A5         R5031         D3         E4           C6001         E1         B5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5		1		Ì	I .		
C4023         D2         C4         R4024         D2         D4           C4030         D2         D4         R5000         E2         A4           C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5010         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5012         E2         B4           C5031         D3         E4         R5013         E2         B4           C5031         D3         E4         R5014         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6001         E1         B5         R6040         D3         E5           C6011         E1         B5         R6030         E3         E5	i e	I .	a contract of the contract of			1	1
C4030         D2         D4         R5001         E2         A4           C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5011         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5031         D3         E4           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5031         D3         E4           C6002         F2         A5         R5040         D3         E4           C6001         E1         B5         R6010         E1         B5           C6011         E1         B5         R6010         E1         B5           C6020         E1         C5         R6031         E2         E5		1			ł.		
C4031         D2         D4         R5001         E2         B4           C5000         E1         B4         R5010         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5014         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6011         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5	i e			1			1
C5000         E1         B4         R5010         E2         B4           C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5014         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6001         E2         A5         R6040         D3         E4           C6001         E1         B5         R6010         E1         B5         R6030         E3         E5           C6011         E1         B5         R6030         E3         E5         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o AssyA2 </td <td>1</td> <td>Fi i</td> <td></td> <td></td> <td>l .</td> <td></td> <td>i .</td>	1	Fi i			l .		i .
C5010         E1         B4         R5011         E2         B5           C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5014         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5031         D3         E4           C6001         E2         A5         R5031         D3         E4           C6001         E2         A5         R5000         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         P/o AssyA2         U1000         C4         A2 <t< td=""><td>l .</td><td></td><td></td><td></td><td>1</td><td></td><td>1</td></t<>	l .				1		1
C5020         D2         D4         R5012         E2         B4           C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5013         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6001         E2         A5         R5040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2031         C1         D2         U2020A         B2         C1					l .		1
C5030         D2         D4         R5013         E2         B4           C5031         D3         E4         R5014         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R6000         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6000         E2         A5           C6011         E1         B5         R6010         E1         B5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/oAssyA2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2010         B4         C2         U2010         C3         B2           L2031         C1         D2         U2020B         B2         C1 <t< td=""><td></td><td></td><td></td><td></td><td>i .</td><td></td><td>t .</td></t<>					i .		t .
C5031         D3         E4         R5014         E2         B4           C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2031         C1         D2         U2020A         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2020C         B2         C1					i	1	
C5040         D3         E4         R5030         D2         D5           C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2		1			1		1
C6000         F2         A5         R5031         D3         E4           C6001         E2         A5         R5040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o AssyA2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2020C         B2         C1           L3010         B4         B3         U2020         B2         C1	1				I .		ł.
C6001         E2         A5         RS040         D3         E4           C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2031         C1         D2         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2021         C2         D2           L3040         A1         E3         U3000         D4         A2	1				I .		l .
C6002         F2         A5         R6000         E2         A5           C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/oAssyA2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5010         E1         B4         U4000A         E2         B3	l .						
C6010         E1         B5         R6010         E1         B5           C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2021         C2         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3	B .						
C6011         E1         B5         R6030         E3         E5           C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000C         E3         B3		1			l .		
C6020         E1         C5         R6031         E2         E5           J3011         F3         A3         R6040         D3         E5           J5040         F3         p/o Assy A2         U1000         C4         A2           L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3	1						
J3011					<b>!</b>		
J5040	,				•	B .	
L2010         B4         C2         U2010         C3         B2           L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           P5040         F3         H5         U5030B         E3         E4		1			1		1
L2030         A2         D1         U2020A         B2         C1           L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           P5040         F3         H5         U5030B         E3         E4     <	li .	1	• •				1
L2031         C1         D2         U2020B         B2         C1           L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           C6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS		1			1		1
L2032         B1         E3         U2020C         B2         C1           L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           Q6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS					1		•
L3000         E4         B3         U2021         C2         D2           L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           C6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS	L2032	1 1			1		•
L3010         B4         B3         U2034         C3         D2           L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           C6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS	L3000	1 1					1
L3040         A1         E3         U3000         D4         A2           L5000         F2         A4         U3020         B3         C3           L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           C6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS		B4	B3				1
L5000	L3040	A1	E3			i	
L5010         E1         B4         U4000A         E2         B3           L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           Q6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS	L5000	F2	A4				li .
L6010         F1         B5         U4000B         E3         B3           L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           Q6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS		E1	B4				T .
L6030         E1         D5         U4000C         E3         B3           P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           Q6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS			B5		U4000B		
P1011         F3         CHASSIS         U4020         D2         D4           P3011         F3         CHASSIS         U5030A         E3         E4           P5040         F3         H5         U5030B         E3         E4           Q6000         E2         A5         CHASSIS MOUNTED PARTS           R1000         D4         A1         W200         F3         CHASSIS	1						
P3011   F3   CHASSIS   U5030A   E3   E4     P5040   F3   H5   U5030B   E3   E4     Q6000   E2   A5   CHASSIS MOUNTED PARTS     R1000   D4   A1   W200   F3   CHASSIS	1						
P5040   F3   H5   U5030B   E3   E4	1		CHASSIS		U5030A		
R1000 D4 A1 W200 F3 CHASSIS	1						E4
		1					RTS
H1001   C4   A1					W200	F3	CHASSIS
	R1001	C4	A1				

P/O A4 ASSY also shown on 8, 9, & 11.



Note: A4 - DDS circuit board illustration located on reverse side of Schematic 7.

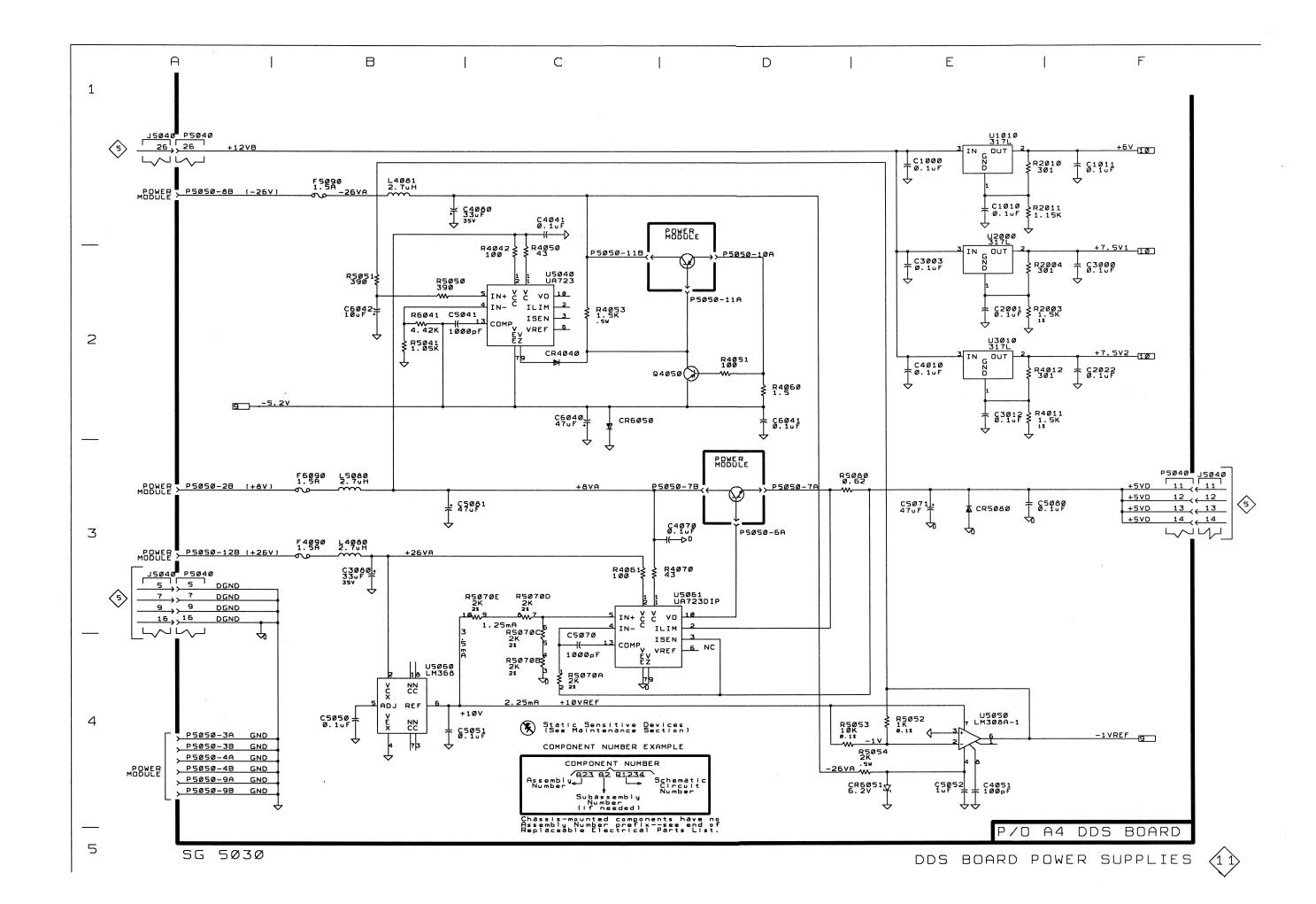
Table 10-11 Component Reference Chart

P/O A4 ASSY

DDS (Schematic 11)

CIRCUIT	SCHEMATIC	BOARD	1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
CR4040	C2	E4		P5050	A1,A3,A4, C2,D2,D3	J4
CR5080	E3	14				
CR6051	E4	F5		Q4050	D2	F3
C1000	E1	<b>A</b> 1		R2003	E2	B2
C1010	E1	B1		R2004	E2	B2
C1011	F1	B1		R2010	E1	B2
C2001	E2	<b>A</b> 2		R2011	E1	B2
C2022	F2	C2		R4011	E2	B3
C3000	F2	<b>A</b> 2		R4012	E2	B3
C3003	E2	B2		R4042	C2	E4
C3012	E2	В3		R4050	C2	E4
C3080	В3	J3		R4051	D2	F4
C4010	E2	С3		R4053	C2	G4
C4041	C1	E4		R4060	D2	G4
C4051	E4	F4		R4061	C3	G4
C4070	D3	H4		R4070	C3	H4
C4080	B1	14		R5041	B2	E5
C5041	B2	E4		R5050	B2 ·	F4
C5050	B4	G4		R5051	B2	F5
C5051	B4	G4		R5052	E4	F4
C5052	E4	G5		R5053	D4	F5
C5070	C4	H4		R5054	E4	F4
C5071	E3	14		R5070A	C4	G4
C5080	E3	14		R5070B	C4	G4
C5081	B3	14		R5070C	C3	G4
C6040	C2	<b>E</b> 5		R5070D	C3	G4
C6041	D2	E5		R5070E	C3	G4
C6042	B2	F5		R5080	E3	14
F4090	B3	J3		R6041	B2	E5
F5090	B1	J4		U1010	E1	B1
F6090	B3	J5		U2000	E1	A2
J5040	A1,A3,F3	p/o Assy A2		U3010	E2	C3
L4080	B3	13		U5040	C2	E4
L4081	B1	J3		U5050	E4	F4
L5080	B3	J4		U5060	B4	G4
P5040	A1,A3,F3	H5		U5061	C3	G4

P/O A4 ASSY also shown on Schematics 8, 9, & 10.



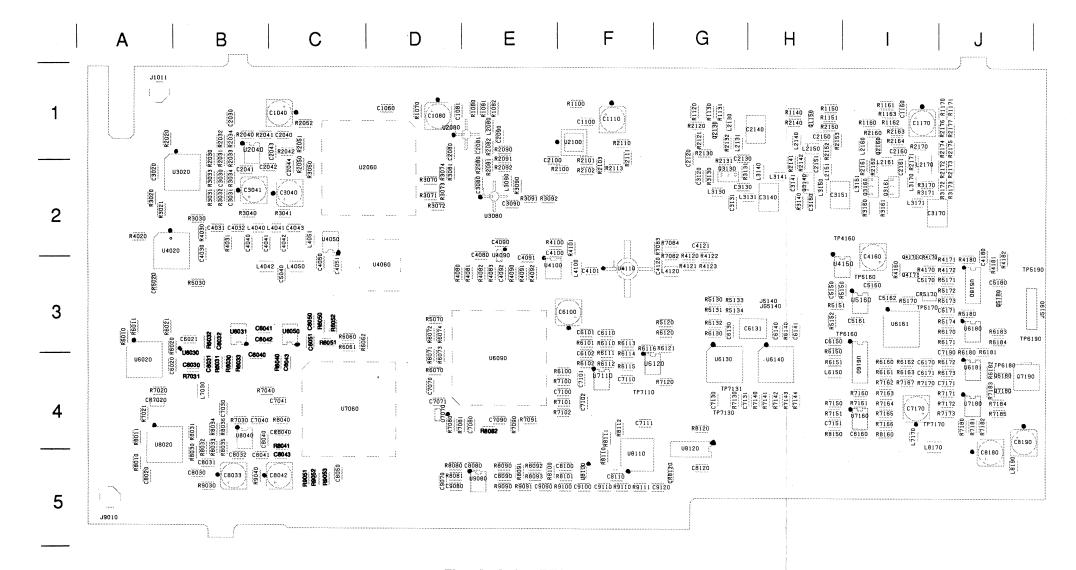
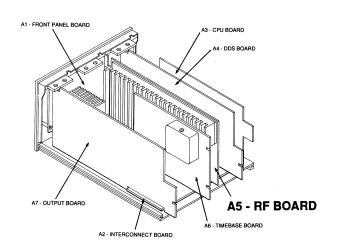


Fig. 10-10. A5 - RF board (front view).



Front view of A5-RF circuit board to be used with diagrams 12 through 17



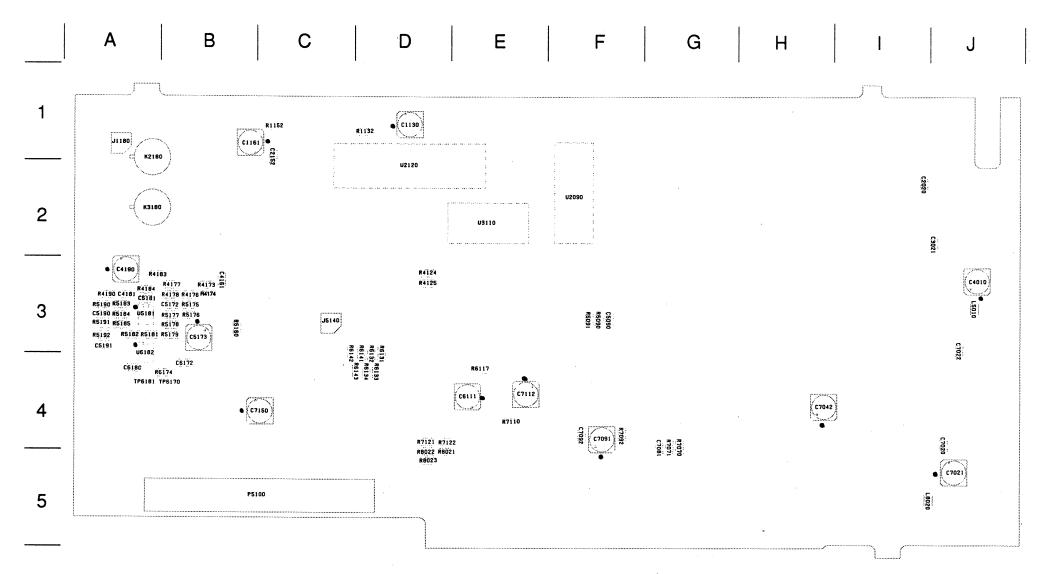


Fig. 10-11. A5 - RF board (rear view).

Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

Table 10-12 Component Reference Chart

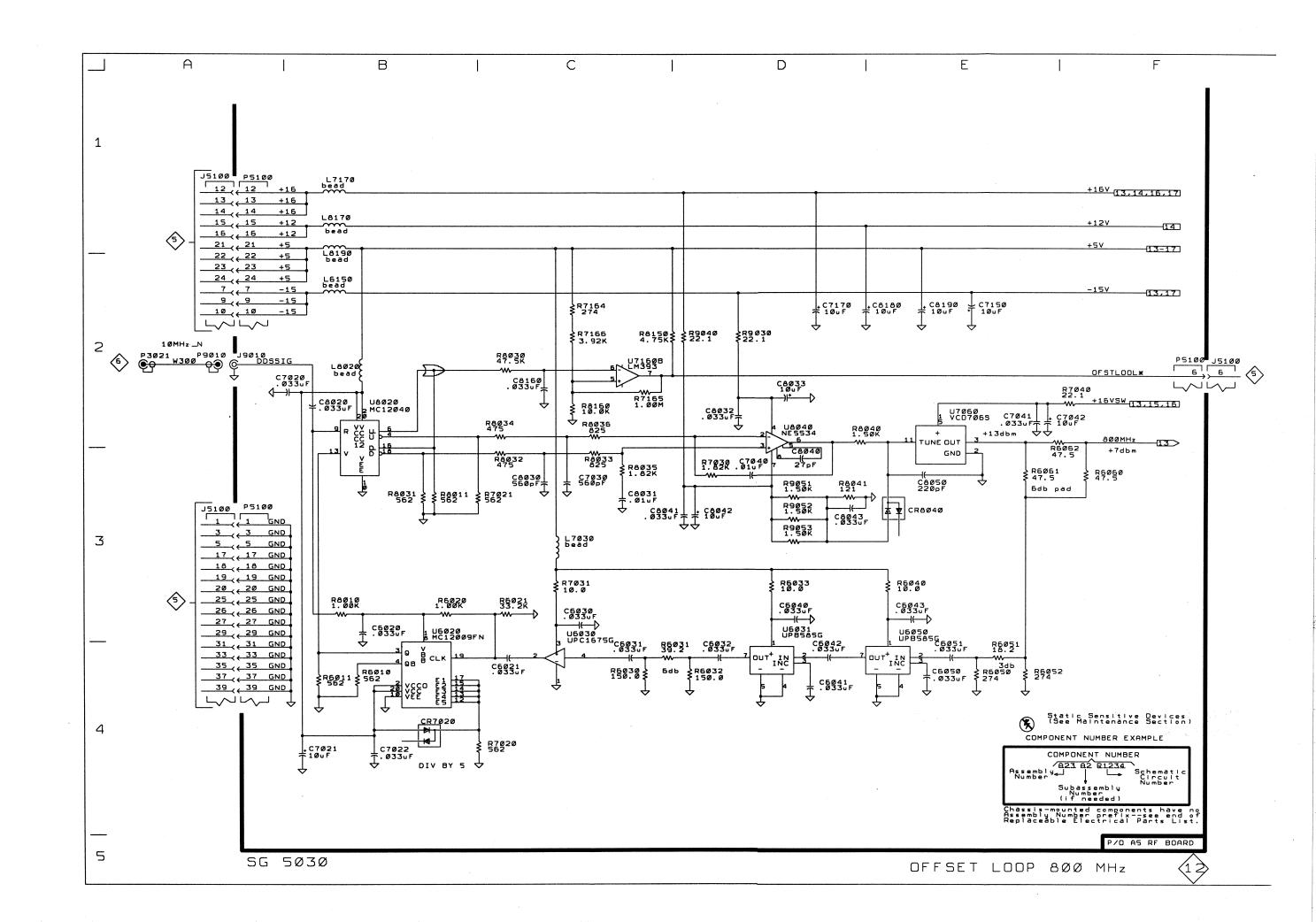
P/O A5

Offset Loop (Schematic 12)

CIRCUIT NUMBER	SCHEMATIC LOCATION	BOARD LOCATION		CIRCUIT NUMBER	SCHEMATIC LOCATION	BOARD LOCATION		
C6020	В3	A4		R6020	В3	А3		
C6021	C4	В3		R6021	СЗ	<b>A</b> 3		
C6030	C3	B4		R6030	C4	B4		
C6031	C4	B4		R6031	C4	B4		
C6032	D4	В3		R6032	D4	В3		
C6040	D3	B4		R6033	D3	B4		
C6041	D4	В3		R6040	E3	C4		
C6042	D4	В3		R6050	E4	C3		
C6043	E3	C4		R6051	E4	C3		
C6050	E4	C3		R6052	E4	C3		
C6051	E4	C3		R6060	F3	C3		
C7020	B2	J4*		R6061	E3	C3		
C7021	B4	J5*		R6062	E2	C3		
C7022	B4	J4*		R7020	C4	A4		
C7030	C3	B4		R7021	С3	A4		
C7040	D3	B4		R7030	D3	B4		
C7041	E2	C4		R7031	C3	B4		
C7042	E2	H4*		R7040	F2	B4		
C7150	E2	C4*		R7164	C2	14		
C7170	D2	14		R7165	C2	14		
C8020	B2	A5		R7166	C2	14		
C8030	C3	B5		R8010	B3	A5		
C8031	СЗ	B5		R8011	B3	A4		
C8032	D2	B5		R8030	C2	B5		
C8033	D2	B5		R8031	B3	B4		
C8040	D3	B4		R8032	C3	B5 -		
C8041	D3	B5		R8033	C3	B5		
C8042	D3	B5		R8034	C2	B4		
C8043	D3	C5		R8035	C3	B5		
C8050	E3	C5		R8036	C2	B4		
C8160	C2	14		R8040	D2	C4		
C8180	E2	J5	Ì	R8041	D3	C4		
C8190	E2	J4	1	R8150	C2	H4		
CR7020	B4	A4	l	R8160	C2	14		
CR8040	E3	C4		R9030	D2	B5		
J5100	A1,A3,F2	CHASSIS		R9040	D2	B5		
J9010	A2	A5		R9051	D3	C5		
L6150	B2	H4		R9052	D3	C5		
L7030	C3	B4		R9053	D3	C5		
L7170	B1	14		U6020	B4	A4		
L8020	B2	J5*		U6030	C4	B3		
L8170	B1	14		U6031	D4	B3		
L8190	B1	J5		U6050	E4	C3		
P3021	A2	CHASSIS		U7060	E2	C4		
P5100	A1,A3,F2	B5		U7160B	C2	14		
P9010	A2	CHASSIS	1	U8020	B2	A4		
R6010	B4	A3	1	U8040	D2	B4		
R6011	B4	A3	<u> </u>			<u> </u>		
*Denotes	*Denotes component mounted on back of circuit board. Refer to rear view.							

\*Denotes component mounted on back of circuit board. Refer to rear view.

P/O A7 ASSY also shown on Schematics 19, 20, 21, & 22



Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

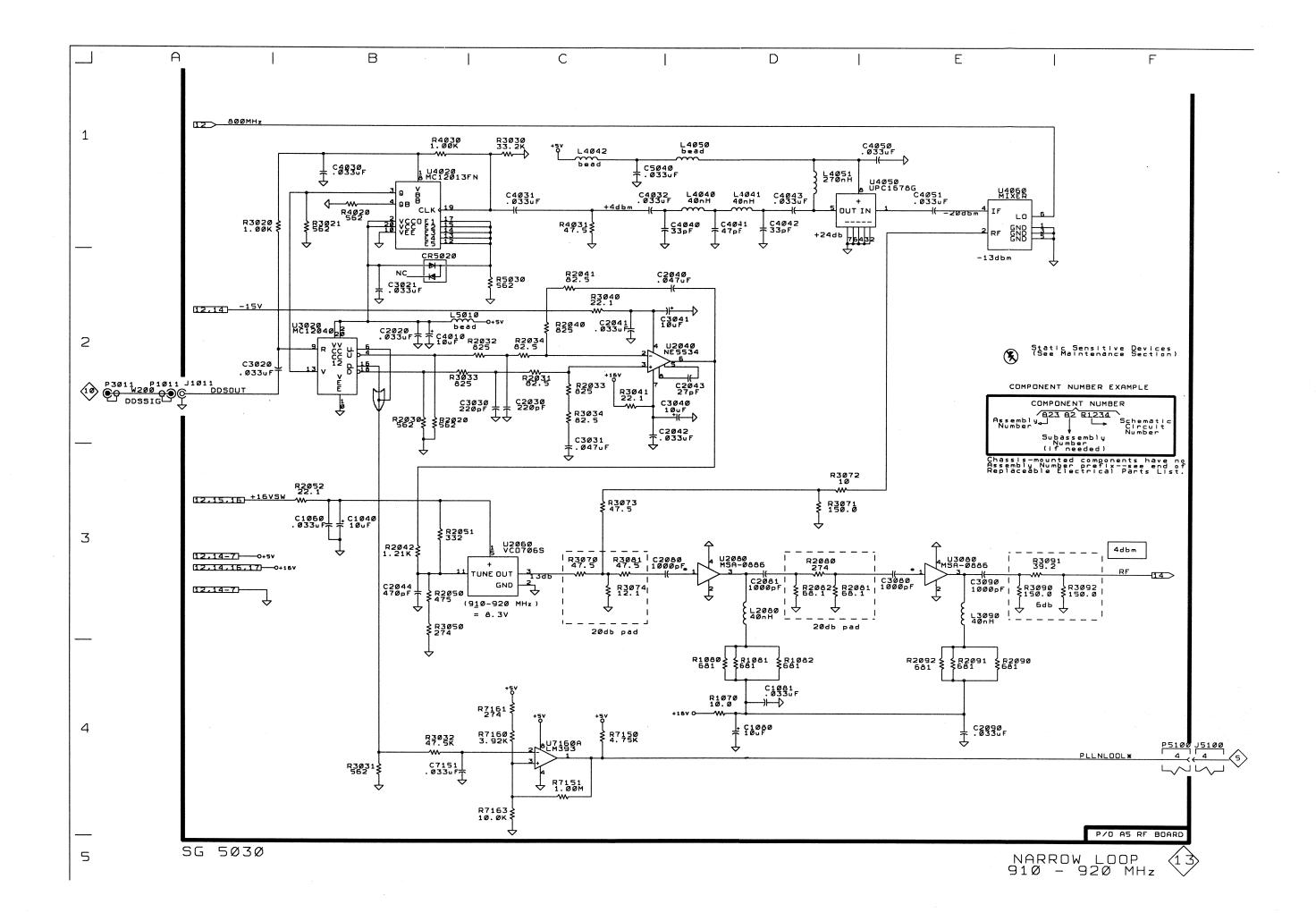
Table 10-13
Component Reference Chart

P/O A5 ASSY

Narrow Loop 910-920 MHz (Schematic 13)

CIRCUIT	SCHEMATIC	BOARD	1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
CR5020	B2	A3	┪	R2033	C2	B2
C1040	B3	C1	1	R2034	C2	B1
C1060	В3	D1		R2040	C2	B1
C1080	D4	D1		R2041	C2	B1
C1081	D4	D1		R2042	B3	C1
C2020	B2	12*		R2050	B3	C2
C2030	C2	B1		R2051	B3	C1
C2040	D2	C1		R2052	B3	C1
C2041	C2	B2		R2080	D3	E2
C2042	C2	B2		R2081	D3	E2
C2043	D2	B1		R2082	D3	E1
C2044	B3	C2		R2090	E4	E1
C2080	C3	D1		R2091	E4	E2
C2081	D3	E1		R2092	E4	E2
C2090	E4	E1		R3020	B1	A2
C3020	A2	A2		R3021	B1	A2
C3021	B2	J2*		R3030	C1	B2
		-		R3031	B4	B2
C3031	C2	B2		R3032	B4	B2
C3040	D2	C2	İ	R3033	B2	B2
C3041	D2	B2		R3034	C2	B2
C3080	E3	E2		R3040	C2	B2
C3090	E3	E2		R3041	C2	C2
C4010	B2	J3*		R3050	B3	C2
C4030	B1	B2		R3070	C3	D2
C4031	C1	B2		R3071	D3	D2
C4032	D1	B2		R3072	D3	D2
C4040	D1	B2		R3073	C3	D2
C4041	D1	B2		R3074	C3	D2
C4042	D1	C2				
C4043	D1	C2		R3081	СЗ	D2
C4050	E1	C3		R3090	E3	E2
C4051	E1	C3		R3091	E3	E2
C5040	C1	СЗ		R3092	F3	E2
C7151	B4	H4		R4020	B1	A2
J1011	A2	A1		R4030	B1	B2
J5100	F4	p/o Assy A2		R4031	C1	B2
L2080	D3	E1		R5030	C1	B3
L3090	E3	E2		R7150	C4	H4
L4040	D1	B2		R7151	C4	H4
L4041	D1	C2		R7160	C4	14
L4042	C1	В3		R7161	C4	14
L4050	D1	C3	İ	R7163	C4	14
L4051	D1	C2		U2040	C2	B1
L5010	B2	J3*		U2060	СЗ	C2
P1011	A2	CHASSIS		U2080	D3	D1
P3011	A2	CHASSIS		U3020	B2	B2
P5100	F4	B5*		U3080	E3	E2
R1070	D4	D1		U4020	B1	A2
R1080	D4	E1		U4050	D1	C2
R1081	D4	E1		U4060	E1	D3
R1082	D4	E1		U7160A	C4	14
R2020	B2	<b>A</b> 1			SSIS MOUNTED PA	RTS
R2030	B2	B2		W200	A2	CHASSIS
R2031	C2	B2		*Denotes componen	it mounted on back of to rear view	
R2032	C2	B1		•	to rear view	

P/O A5 ASSY also shown on Schematics 12, 14, 15, 16, & 17.



Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

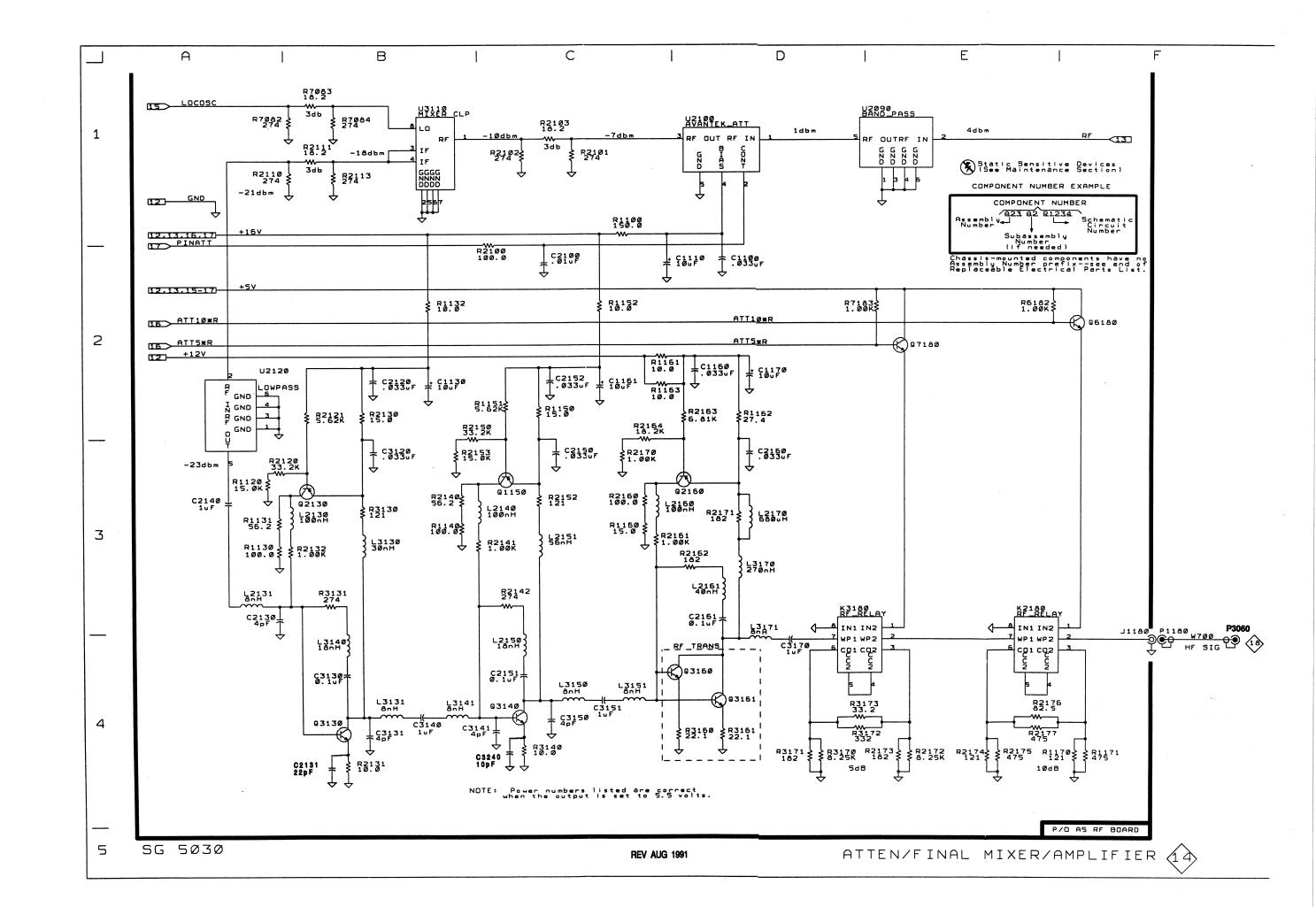
# Table 10-14 Component Reference Chart

P/O A5 ASSY

Atten/Final Mixer/Amplifier (Schematic 14)

CIRCUIT	SCHEMATIC	BOARD	]	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
C1100	D2	F1		R1151	C2	H1
C1110	C2	F1		R1152	C2	C1*
C1130	B2	D1*		R1160	СЗ	H1
C1160	D2	<b>I1</b>		R1161	C2	l1
C1161	C2	B1*		R1162	D2	11
C1170	D2	l1		R1163	C2	l1
C2100	C2	<b>E2</b>		R1170	F4	l1
C2120	B2	G2		R1171	F4	11
C2130	A3	G1		R2100	C2	E2
C2140	A3 B2	H1		R2101	C1	F2
C2150 C2151	C4	<u>H1</u>		R2102	C1	F2
C2151	C2	H2 C1*	İ	R2103	C1	F2
C2160	D3	11	l	R2110 R2111	B1 B1	F1
C2161	D3	12		R2113	B1	F2
C3120	B3	G2	l	R2120	A3	F2 G1
C3130	B4	G2		R2121	B2	G1
C3131	B4	G2		R2130	B2	G1
C3140	B4	H2		R2131	B4	G2
C3141	C4	H2		R2132	B3	G1
C3150	C4	H2		R2140	B3	H1
C3151	C4	H2		R2141	C3	H2
C3170	D4	12		R2142	СЗ	H2
J1180	F4	A1*		R2150	B2	H1
K2180	E3	A1*		R2152	C3	H1
K3180	D3	<b>A</b> 2		R2153	B3	<sup>1</sup> H1
L2130	B3	G1		R2160	C3	l1
L2131	A3	G1		R2161	C3	12
L2140	B3	H1		R2162	D3	12
L2150 L2151	C4	H1		R2163	D2	l1
L2151	C3 C3	H2 H1		R2164	C2	11  11
L2161	D3	I1		R2170	C3	
L2170	D3	12		R2171 R2172	D3	12
L3130	B3	G2		R2173	E4 E4	12
L3131	B4	G2		R2174	E4	J2 I1
L3140	B4	H2		R2175	E4	J1
L3141	B4	H2		R2176	E4	11
L3150	C4	H2		R2177	E4	J1
L3151	C4	12		R3130	B3	G2
L3170	D3	12		R3131	B3	G2
L3171	D4	12		R3140	C4	H2
P1180	F4	CHASSIS		R3160	D4	12
P4062	F4	CHASSIS		R3161	D4	12
Q1150	C3	H1		R3170	D4	12
Q2130	B3	G1		R3171	D4	12
Q2160	D3	l1		R3172	E4	12
Q3130	B4	G2		R3173	E4	J2
Q3140 Q3160	C4	H2 I2		R6182	E2	J4
Q3160 Q3161	D4 D4	12 12		R7082	B1	G3
Q6180	F2	12 J4		R7083	B1	G2
Q7180	F2 E2	J4 J4		R7084 R7183	B1	G2
R1100	C1	54 F1		U2090	E2 E1	J4
R1120	A3	G1		U2100	D1	F2* F1
R1130	A3	G1		U2120	A2	D2*
R1131	A3	G1		U3110	B1	E2*
R1132	B2	D1*			SSIS MOUNTED PA	
R1140	В3	H1		W700	F4	CHASSIS
R1150	C2					011110010

P/O A5 ASSY also shown on Schematics 12, 13, 15, 16 & 17.



Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

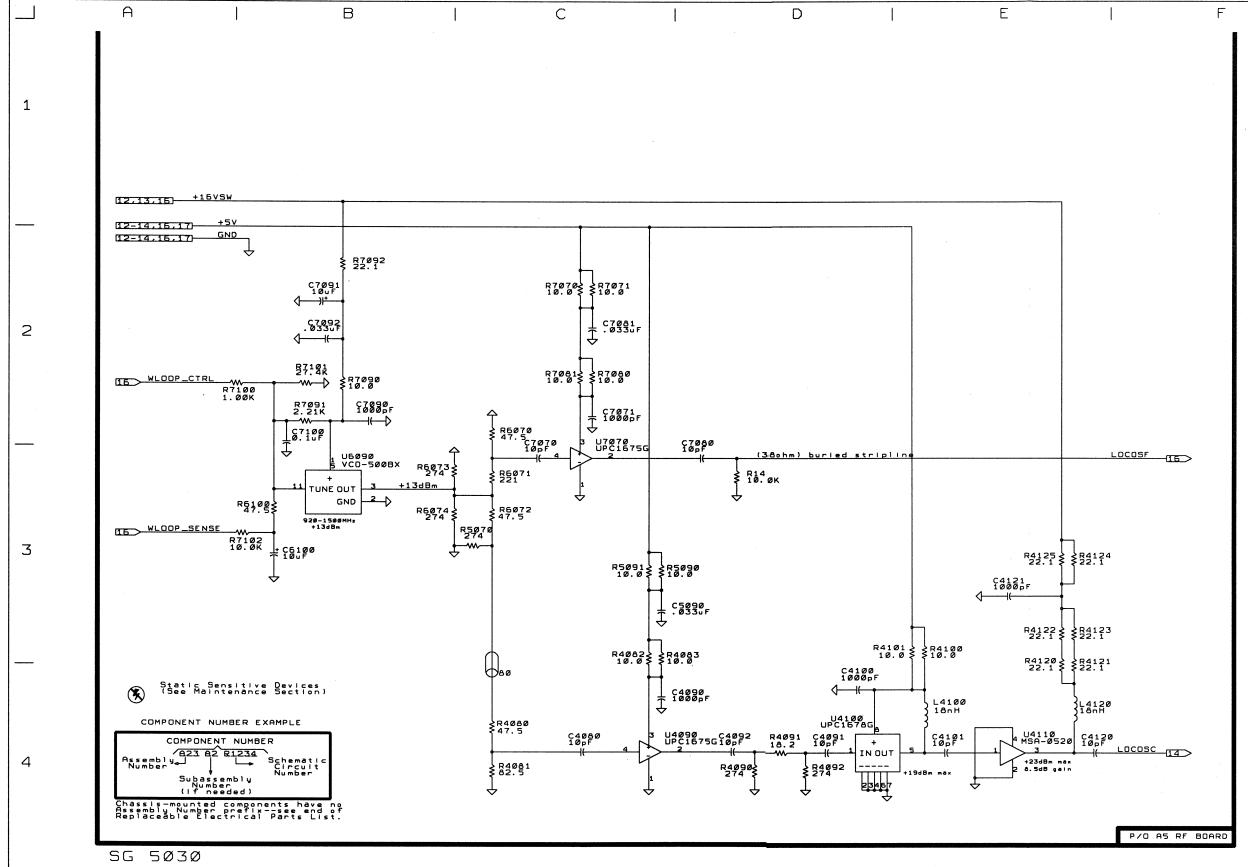
Table 10-15
Component Reference Chart

P/O A5 ASSY

Wide Loop 920-1470 MHz (Schematic 15)

CIRCUIT	SCHEMATIC	BOARD	]	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
C4080	C4	E3		R4122	E3	G3
C4090	C4	E2		R4123	E3	G3
C4091	D4	E3		R4124	E3	D3*
C4092	D4	E3		R4125	E3	D3*
C4100	D4	E2		R5070	C3	D3
C4101	E4	F3	Ì	R5090	C3	F3*
C4120	E4	F2		R5091	C3	F3*
C4121	E3	G2		R6070	C2	D4
C5090	C3	F3*		R6071	C3	D4
C6100	B3	F3		R6072	C3	D3
C7070	C3	D4		R6073	B3	D4
C7071	C2	D4		R6074	B3	D3
C7080	D3	E4		R6100	B3	F4
C7081	C2	G4*		R7070	C2	G4*
C7090	B2	E4	İ	R7071	C2	G4*
C7091	B2	F4*		R7080	C2	D4
C7092	B2	F4*		R7081	C2	D4
C7100	B2	F4		R7090	B2	E4
L4100	E4	F3		R7091	B2	E4
L4120	E4	G3		R7092	B2	F4*
R4080	C4	D3		R7100	A2	F4
R4081	C4	E3		R7101	B2	F4
R4082	C4	E3		R7102	<b>A</b> 3	F4
R4083	C4	E3		U4090	C4	E3
R4090	D4	E3		U4100	D4	E3
R4091	D4	E3		U4110	E4	F3
R4092	D4	E3		U6090	В3	E4
R4100	E3	E2		U7070	C3	D4
R4101	E3	F2				
R4120	E4	G3		*Denotes comp	onent mounted o rd. Refer to rear v	n back of circuit
R4121	E4	G3		Doa	iu. Heier to rear v	iew

P/O A5 ASSY also shown on Schematics 12, 13, 14, 16 & 17.



5

Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

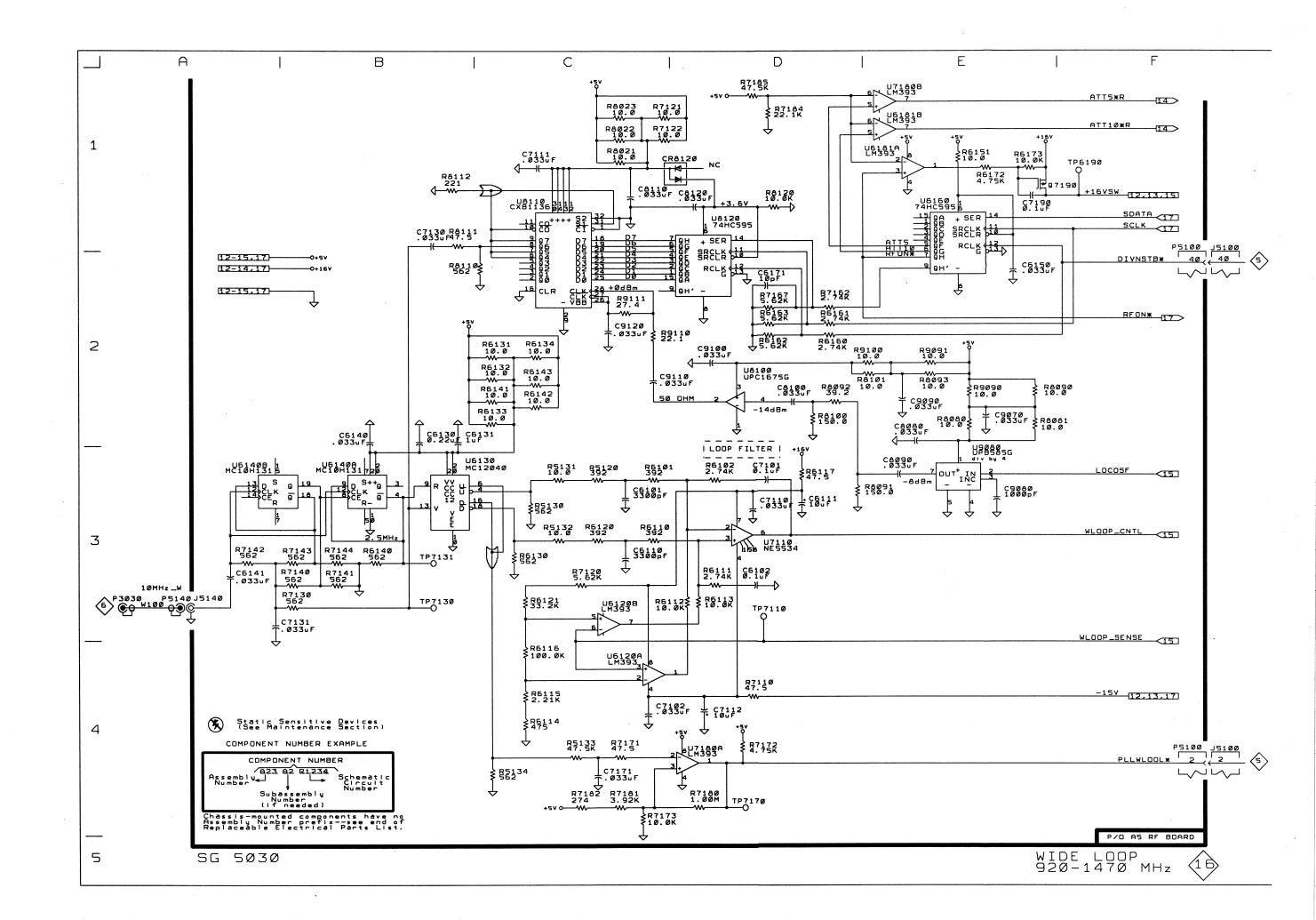
### Table 10-16 Component Reference Chart

P/O A5 ASSY

Wide Loop 920-1470 MHz (Schematic 16)

CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
CR8120	C1	G5		R6163	D2	14
C6101	СЗ	F3		R6172	E1	J4
C6102	D3	F4		R6173	E1	, <b>J</b> 4
C6110	C3	F3		R7110	D4	E4*
C6111	D3	E4*		R7120	C3	G4
C6130	B2	G3		R7121	C1	D4*
C6131	B2	G3		R7122	C1	D4*
C6140	B2	H3		R7130	B3	G4
C6141	A3	Н3		R7140	B3	H4
C6150	E1	Н3		R7141	B3	H4
C6171	D2	14		R7142	A3	H4
C7101	D3	F4		R7143	B3	H4
C7102	C4	F4		R7144	B3	H4
C7110	D3	F4		R7162	D2	14
C7111	C1	F4		R7167	D2	14
C7112	D4	E4*		R7171	C4	J4
C7130	B1	G4		R7172	D4	J4
C7131	A3	G4		R7173	C4	J4
C7171	C4	J4		R7180	D4	J4
C7190	E1	J3		R7181	C4	J4
C8080	E2	E5		R7182	C4	J4
C8090	E3	E5		R7184	D1	J4
C8100	D2	F5		R7185	D1	J4
C8110	C1	F5		R8021	C1	D5*
C8120	D1	G5		R8022	C1	D5*
C9070	E2	D5		R8023	C1 -	D5*
C9080	E3	D5		R8080	E2	D5
C9090	E2	E5		R8081	E2	D5
C9100	D2	F5		R8090	E2	E5
C9110	C2	F5		R8091	D3	E5
C9120	C2	G5		R8092	D2	E5
J5100	F1,F4	p/o Assy A2		R8093	E2	E5
J5140	A3	C3*		R8100	D2	E5
P3030	A3	CHASSIS		R8101	E2	F5
P5100	F1,F4	B5*		R8110	C2	F5
P5140	A3	CHASSIS		R8111	B1	F4
Q7190	E1	J4		R8112	B1	F4
R5120	C3	G3		R8120	D1	G4
R5130	СЗ	G3		R9090	E2	E5
R5131	C3	G3		R9091	E2	E5
R5132	СЗ	G3		R9100	E2	F5
R5133	C4	G3		R9110	C2	F5
R5134	C4	G3		R9111	C2	F5
R6101	СЗ	F3		TP6190	F1	J3
R6102	D3	F4		TP7110	D3	F4
R6110	СЗ	F3		TP7130	B3	G4
R6111	D3	F4		TP7131	B3	G4
R6112	D3	F4		TP7170	D4	14
R6113	D3	F3		U6120A	C4	F4
R6114	C4	F4		U6120B	C3	F4
R6115	C4	F4		U6130	B3	B3
R6116	C4	F3		U6140A	B3	H4
R6117	D3	E4*		U6140B	A3	H4
R6120	C3	G3		U6160	E1	14
R6121	C3	G3		U6181A	E1	J4
R6130	C3	G3		U6181B	E1	J4
R6131	C2	D4*		U7110	D3	F4
R6132	C2	D4*		U7180A	D4	J4
R6133	C2	D4*		U7180B	E1	J4
R6134	C2	D4*		U8100	D2	F5
R6140	B3	H3		U8110	C1	F5
R6141	C2	D4*		U8120	D1	G4
R6142	C2	C4*		U9080	E3	E5
R6143	C2	D4*				
R6151	E1	H4			ACCIC MOI INITED DA	l
R6160	D2	14			ASSIS MOUNTED PA	
R6161	D2	14		W100	A3	CHASSIS
R6162	D2	14		Denotes componer	t mounted on back of or rear view	circuit board. Hefer

P/O A5 ASSY also shown on Schematics 12, 13, 14, 15 & 17



Note: A5 - RF circuit board illustrations (front and rear views) located between Schematics 11 & 12.

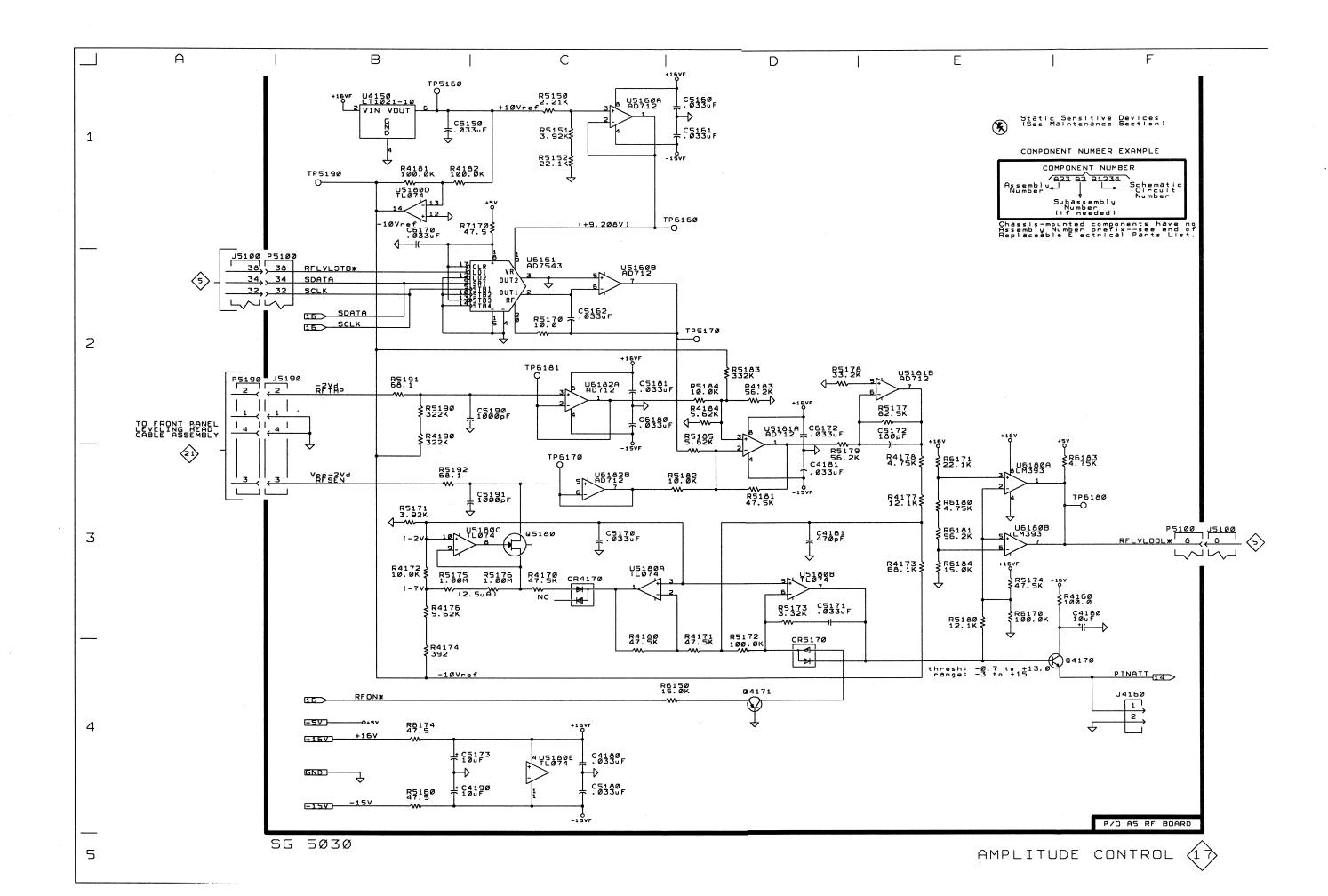
Table 10-17
Component Reference Chart

P/O A5 ASSY

Amplitude Control (Schematic 17)

CR4170 CR5170 C4160 C4161	LOCATION C3	LOCATION			1	ı
CR5170 C4160	C3			NUMBER	LOCATION	LOCATION
C4160		12	1	R5171	B3	J3
C4160				R5172	D4	J3
	D4	13		R5173	D3	J3
C4161	F3	12		R5174	E3	J3
•	D3	B3*		R5175	B3	B3*
C4180	C4	J3		R5176	C3	B3*
C4181	D3	A3*		R5177	E2	B3*
C4190	B4	A3*		R5178	D2	B3*
C5150	B1	Н3		R5179	D2	B3*
C5160	D1	13		R5180	E3	J3
C5161	D1	13		R5181	D3	<b>A</b> 3⁺
C5162	C2	· I3		R5182	D3	A3*
C5170	C3	13		R5183	D2	A3*
C5171	D3	J3		R5184	D2	A3*
C5172	E2	B3*		R5185	D3	A3*
C5173	B4	B3*		R5190	B2	A3*
C5180	C4	J3		R5191	B2	A3*
C5181	C2	A3*		R5192	B3	A3*
C5190	B2	A3*		R6150	D4	НЗ
C5191	B3	A3*		R6170	E3	J3
C6170	B1	14	ŀ	R6171	E3	J3
C6172	D2	B4*		R6174	B4	B4*
C6180	C2	A4*		R6180	E3	J3
J5100	A2,F3	p/o Assy A2	l .	R6181	E3	J3
J5190	A2	J3	İ	R6183	F3	J3
P5100	A2,F3	B5*		R6184	E3	J3
P5190	A2	CHASSIS		R7170	C1	14
Q4170	F4	12		TP4160	F4	H2
Q4171	D4	13		TP5160	B1	13
Q5180	СЗ	J3		TP5170	D2	13
R4160	F3	13		TP5190	B1	J3
R4170	СЗ	13		TP6160	D1	H3
R4171	D4	J3		TP6170	C3	B4*
R4172	B3	J3		TP6180	F3	J4
R4173	E3	B3*		TP6181	C2	A4*
R4174	B4	B3*		U4150	B1	НЗ
				U5160A	C1	13
R4176	В3	B3*		U5160B	C2	13
R4177	E3	B3*		U5180A	C3	J3
R4178	E3	B3*		U5180B	D3	J3
R4180	C4	J3		U5180C	B3	J3
R4181	B1	J3		U5180D	B1	· J3
R4182	B1	J3		U5180E	C4	J3
R4183	D2	A3*		U5181A	D2	A3*
R4184	D2	A3*		U5181B	E2	A3*
R4190	B2	A3*		U6161	C2	13
R5150	C1	H3		U6180A	E3	13 J3
R5151	C1	H3		U6180B	E3	J3
R5152	C1	H3		U6182A	C2	03 A4⁺
R5160	B4	B3*		U6182B	C3	A4*
R5170	C2	13			ent mounted on bac Refer to rear view	

P/O A5 ASSY also shown on Schematics 12, 13, 14, 15, & 16.



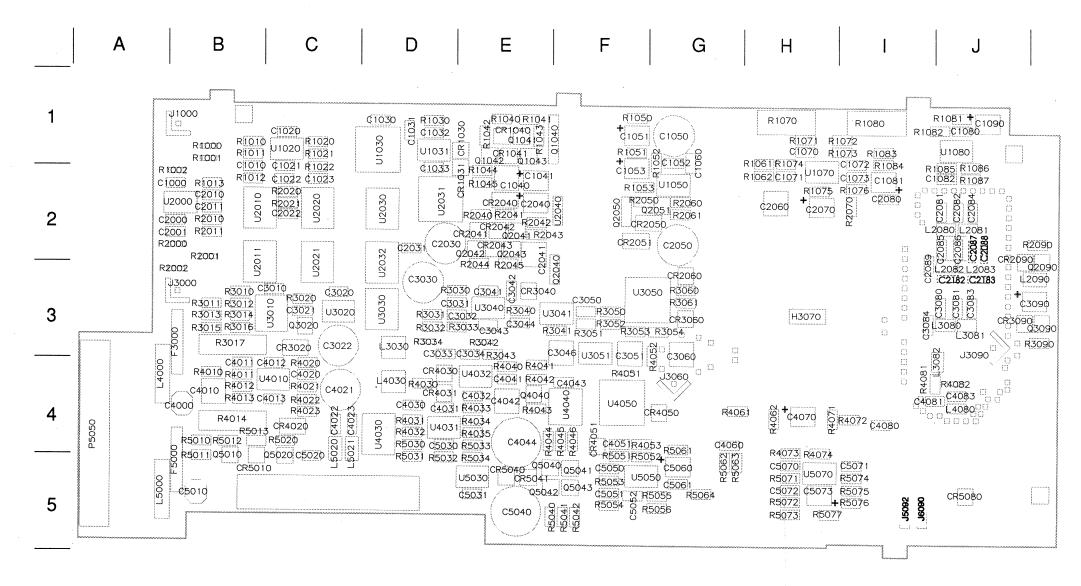
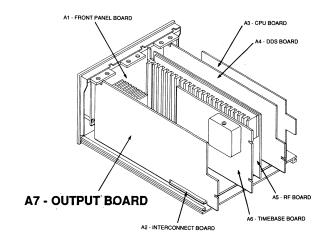


Fig. 10-12. A7 - Output board (front view)



Front view of A7-Output circuit board illustration to be used with diagrams 18 through 22



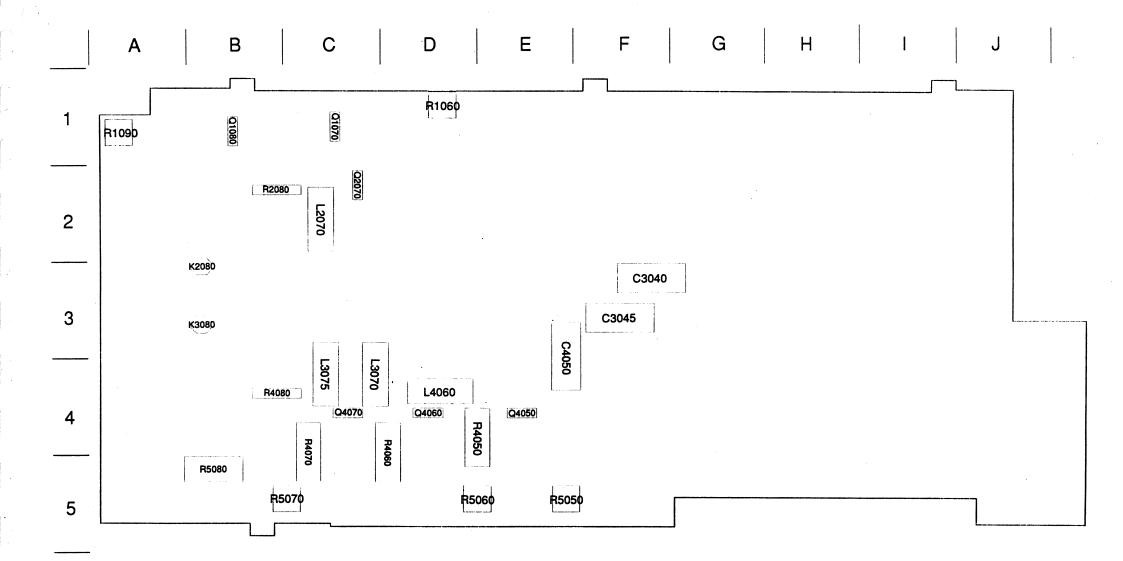


Fig. 10-13. A7 - Output board (rear view)

Rear view of A7-Output circuit board illustration to be used with diagrams 18 through 22

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Table 10–18A
Component Reference Chart

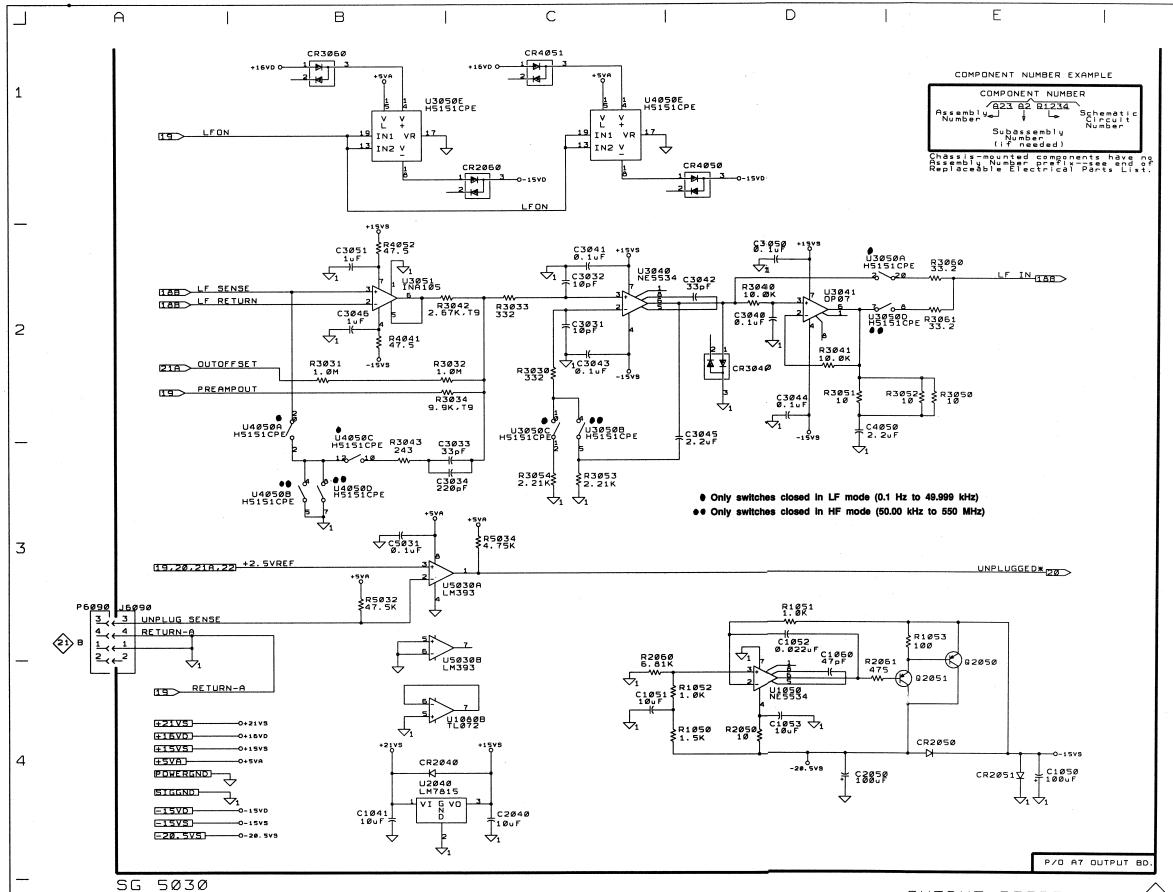
**OUTPUT FEEDBACK 18A** 

CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION	4	NUMBER	LOCATION	LOCATION
04044						
C1041	B4	E2		R2061	E4	G2
C1050	E4	G1		R3030	C2	D3
C1051	C4	F1	l	R3031	B2	D3
C1052	D3	G1		R3032	C2	D3
C1053	D4	F1	1	R3033	C2	E3
C1060	D4	G1		R3034	C2	D3
C2040	C4	E2		R3040	D2	E3
C2050	D4	G2		R3041	D2	F3
C3031	C2	D3		R3042	C2	E3
C3032	C2	E3		R3043	В3	E3
C3033	C3	D3		R3050	E2	F3
C3034	C3	E3		R3051	D2	F3
C3040	D2	E3**		R3052	E2	F3
C3041	C2	E3		R3053	СЗ	F3
C3042	D2	E3		R3054	СЗ	G3
C3043	C2	E3		R3060	E2	G3
C3044	D2	E3		R3061	E2	G3
C3045	D2	E3**		R4041	B2	E4
C3046	B2	F3		R4052	B2	G3
C3050	D2	F3		R5032	В3	D4
C3051	B2	F3		R5034	C3	E4
C4050	D2	F4**		U1050	D4	G2
C5031	В3	E5		U1080B	C4	J1
CR2040	B4	E2		U2040	C4	F2
CR2050	E4	G2		U3040	C2	E3
CR2051	E4	F2		U3041	D2	F3
CR2060	C1	G3		U3050A	E2	F3
CR3040	D2	E3		U3050B	C2	F3
CR3060	B1	G3		U3050C	C2	F3
CR4050	D1	G4		U3050D	E2	F3
CR4051	C1	F4		U3050E	B1	F3
J6090	A3	15		U3051	B2	F3
Q2050	E4	F2		U4050A	B2	F3 F4
Q2051	E4	G2		U4050B	B3	F4
R1050	D4	F1		U4050C	B3	F4
R1051	D3	F1		U4050D	B3	F4
R1052	D4	G1		U4050E	C1	· 1
R1053	E3	F2		U5030A	1	F4
R2050	D4	F2		U5030A	C3	E5
R2060	C4	G2		030306	C3	E5
	04	G2				
			L			

NOTE:

P/O A7 ASSEMBLY also shown on Schematics 18B,19,20,21A, & 22

<sup>\*\*=</sup>BACK OF BOARD



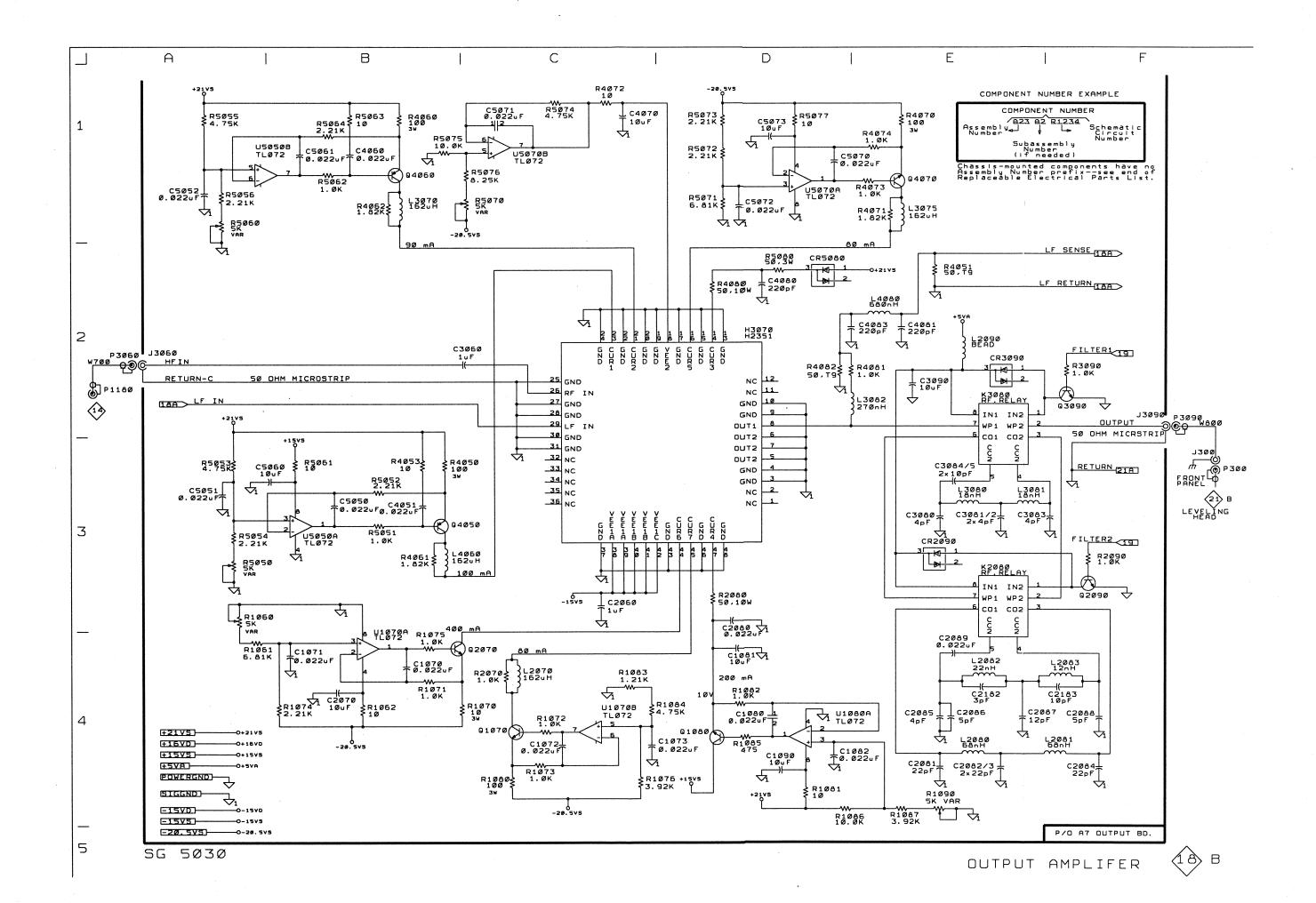
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# Table 10-18B Component Reference Chart P/O A7 ASSEMBLY OUTPUT AMPLIFER 18B

		7 ASSEMBLY	_ (	DUTPUT AMPLI	-EH 188	
CIRCUIT	SCHEMATIC		1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
61070	24	1				
C1070 C1071	B4 B4	H1 H2		Q4050	B3	F4**
C1071	C4	11		Q4060 Q4070	B1 E1	G4**
C1073	D4	12		240/0	= '	ПФ
C1080	D4	J1		R1060	АЗ	К1**
C1081	D4	12		R1061	A4	H1
C1082	D4	J2		R1062	B4	H1
C1090	D4	J1		R1070	C4	H1
C2060	C3	H2	İ	R1071	B4	H1
C2070 -	B4 D3	H2 12	l	R1072	C4	
C2081	E4	J2		R1073 R1074	C4 B4	H1
C2082	E4	J2		R1075	B4	H2
C2083	E4	J2		R1076	C4	12
C2084	F4	J2		R1080	C4	11
C2085	E4	J2		R1081	D4	J1
C2086	E4	J2		R1082	D4	J1
C2087	E4	J2		R1083	C4	11
C2088 C2089	F4 E4	J2		R1084	D4	11
C2089	E4	12		R1085 R1086	D4	J1
C2182	E4	J3		R1087	E4 E4	J1 J2
C3060	C2	J2 G3		R1090	E4	G1**
C3080	E3	J3		R2070	C4	12
C3081	E3	J3		R2080	D3	12**
C3082	E3	J3		R2090	F3	K2
C3083	F3	J3		R3090	F2	КЗ
C3084	E3	13 .		R4050	B3	G4**
C3085	E3	13		R4051 R4053	E2	F4
C3090 C4051	E2 B3	K3		R4060	B3 B1	G4 H5**
C4051	B1	F4 G4		R4061	B3	G4
C4070	C1	H4		R4062	B1	H4
C4080	D2	14		R4070	E1	15**
C4081	E2	14		R4071	E1	H4
C4083	E2	J4		R4072	C1	14
C5050	B3	F5		R4073	E1	H4
C5051	A3	F5		R4074	E1	H4
C5052 C5060	A1 B3	F5		R4080	D2	14**
C5060	B1	G5 G5		R4081	E2	14
C5070	D1	H5		R4082	D2	J4
C5071	C1	15		R5050	A3	F5**
C5072	D1	H5		R5051	B3	F4
C5073	D1	H5		R5052 R5053	B3	G4
CR2090 CR3090	E3	J2		R5054	A3 A3	F5 F5
CR5090	E2 D2	J3		R5055	A1	G5
H3070	D2	J5 H3	l	R5056	A1	G5
J300	F3	OFF BD.		R5060	A1	G5**
J3060	A2	G4		R5061	B3	G4
J3090	F2	13	J	R5062	B1	G5
K2080	E3	J3		R5063 R5064	B1	G5
K3080 L2070	E2	J3		R5070	B1 C1	G5 15**
L2070 L2080	C4 E4	12** 12		R5071	D1	H5
L2081	E4	J2		R5072	D1	H5
L2082	E4	J3		R5073	D1	Н5
L2083	E4	J2	- 1	R5074	C1	15
L2090	E2	К3		R5075	B1	15
L3070	B1	H4**		R5076	C1	15
L3075	E1	H4**		R5077 R5080	D1	H5
L3080 L3081	E3	J3		U1070A	D2 B4	J5** H1
L3081 L3082	E3 E2	13 13		U1070B	C4	H1
L4060	B3	G4**		U1080A	D4	J1
L4080	E2	J4		U5050A	B3	F5
P1180	A2	OFF BD.		U5050B	A1	F5
P3060	A2	OFF BD.		U5070A	D1	H5
P3090	F2	OFF BD.		U5070B	C1	H5
Q1070	C4	H1**		W700 W800	A2	OFF BD.
Q1080 Q2070	D4 C4	11** H2**		*******	F2	OFF BD.
Q2070 Q2090	F3	K2				1
Q3090	F2	K3	_	L		
	- 1					

NOTE: \*\*= BACK OF BOARD P/O A7 ASSEMBLY also shown on Schematics 18A,19,20,21A & 22



*			

Table 10-19
Component Reference Chart

**LOW FREQUENCY PREAMP 19** 

CIRCUIT	SCHEMATIC	BOARD	1	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOACATION		NUMBER	LOCATION	LOACATION
C1000	B2	B2		R1010	E3	B1
C1010	D4	B1		R1011	D4	B1 -
C1020	E4	C1		R1012	C4	B2
C1021	E4	C1		R1013	C1	B2
C1022	B4	C2		R1030	C1	D1
C1030	D1	D1		R2000	C1	B2
C1031	C1	D1		R2001	B1	B2
C1032	D1	D1		R2002	B1	B3
C1033	D2	D1		R2010	E3	B2
C2000	B1	B2		R2011	C2	B2
C2001	B1	B2		R2020	C4	C2
C2010	C1	B2		U1020A	E4	C1
C2011	B1	B2		U1030	C1	D1
C2022	B4	C2		U1031A	D1	D1
C2031	B4	D1		U1031B	- F1	D1
CR1030	E1	E1		U2000	B1	B2
CR1031	E2	E2		U2010	D4	B2
J1000	A1	B1		U2011	B4	B2
J3000	A1	B3		U2030	B2	D2
P1000	A1	OFF BD.		U2031A	E2	D1
P2050	A1	OFF BD.		U2031B	E2	D1
P2055	A1	OFF BD.		U2031C	E2	D1
P3000	A1	OFF BD.		U2031D	E2	D1
P7020	A2	B5		U2031E	E2	D1
P7020	A4	B5		U2032	B3	D1
R1000	B1	B1		U3030	C3	D3
R1001	B1	B1		W500	A1	OFF BD.
R1002	C2	B2		W600	A1	OFF BD.
			Į			

P/O A7 ASSEMBLY also shown on Schematics 18A,18B,20,21A, & 22

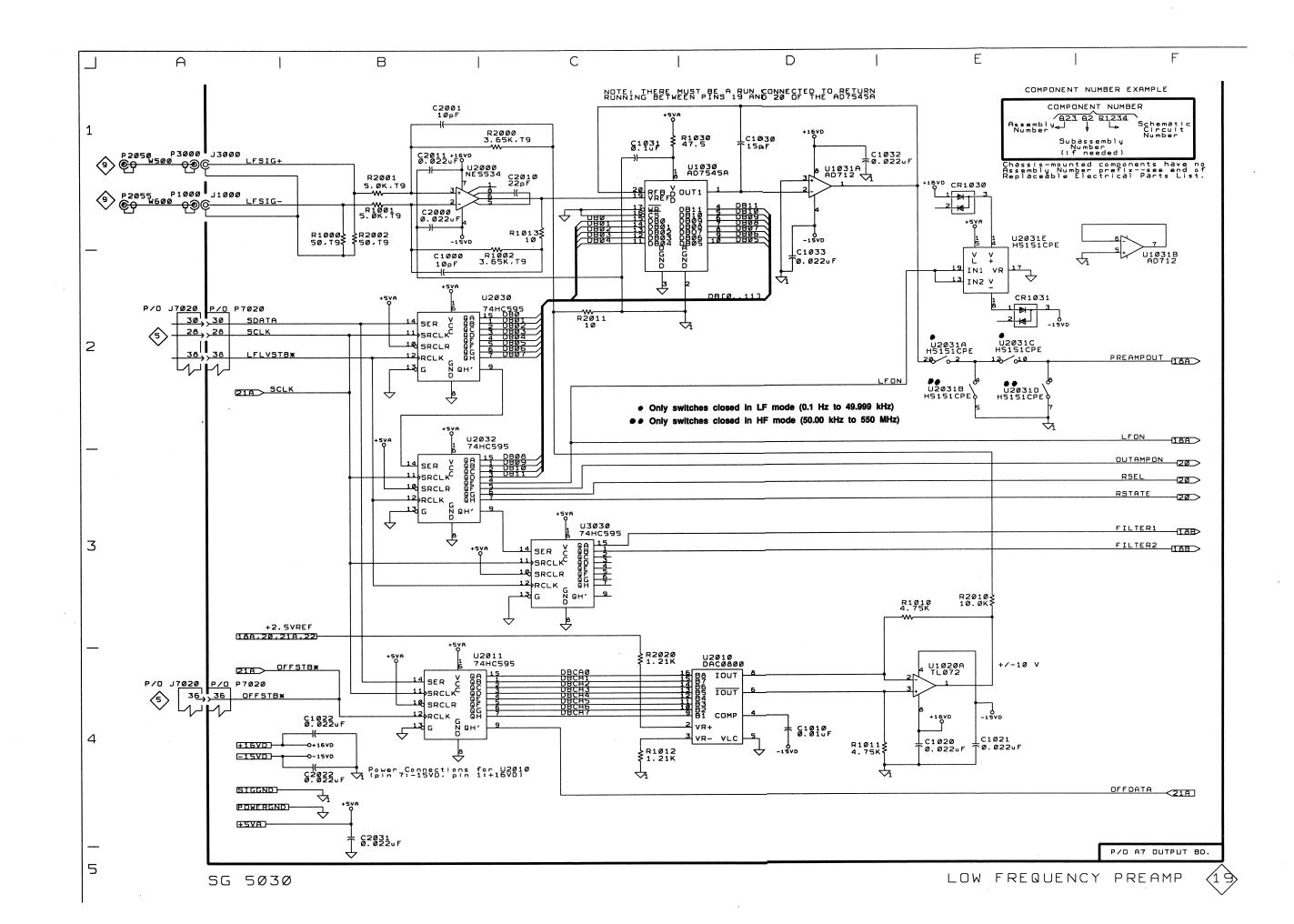
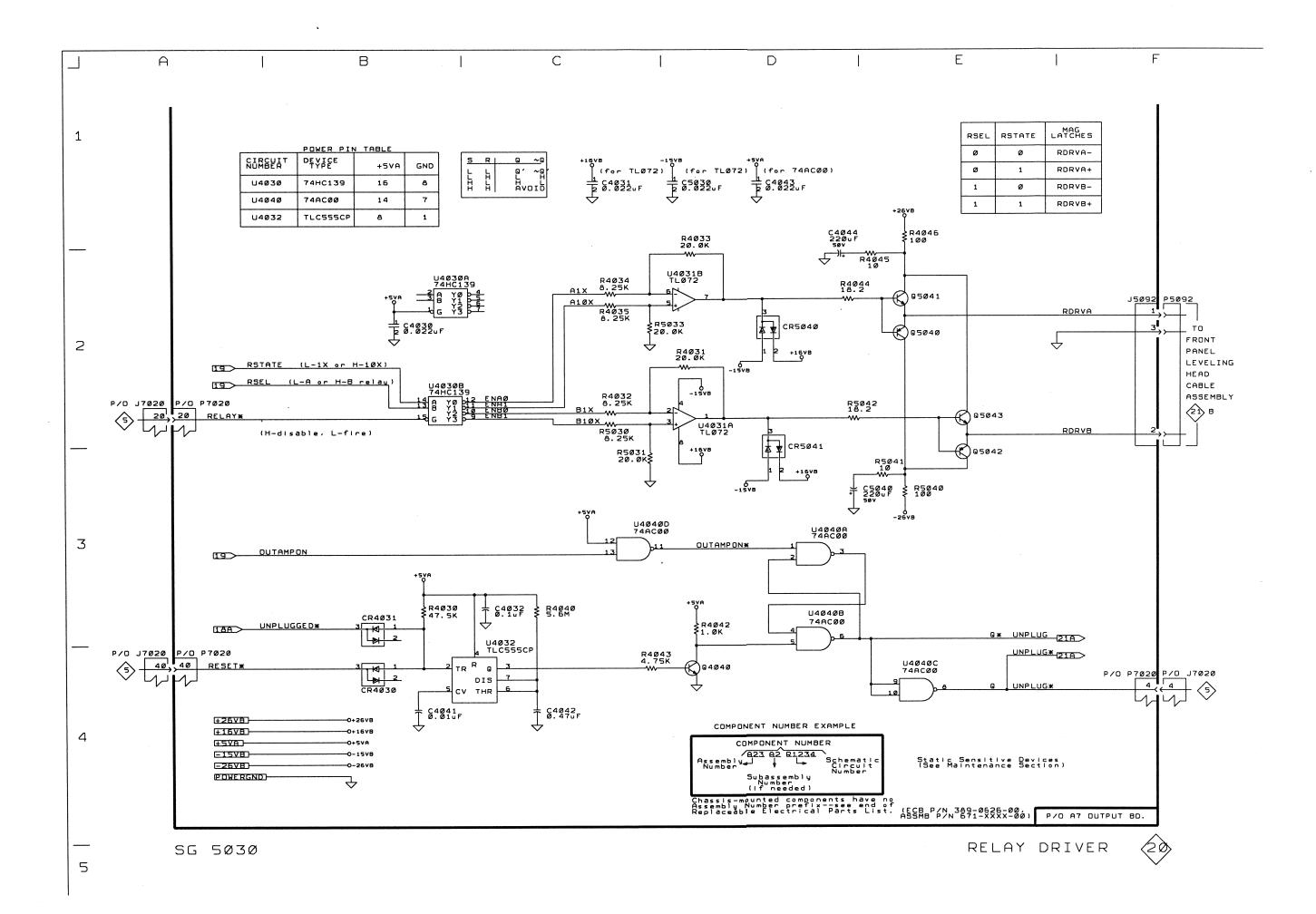


Table 10-20 Component Reference Chart

RELAY DRIVER 20

CIRCUIT	SCHEMATIC	BOARD	]	CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
			1		1	200/11011
C4030	B2	D4		R4033	D1	E4
C4031	C1	D4		R4034	C2	E4
C4032	C3	E4		R4035	C2	E4
C4041	B4	E4		R4040	C3	E4
C4042	C4	E4		R4042	D3	E4
C4043	D1	F4		R4043	C4	E4
C4044	D1	E4		R4044	D2	E4
C5030	D1	D4		R4045	E1	F4
C5040	D3	E5		R4046	E1	F4
CR4030	B4	D4		R5030	C2	D4
CR4031	В3	D4		R5031	СЗ	D4
CR5040	D2	E5		R5033	C2	E4
CR5041	D2	E5		R5040	E3	E5
J5092	F2	15		R5041	E3	F5
P7020	A4	B5		R5042	D2	F5
P7020	F4	B5		U4030A	B2	D4
P7020	A2	B5		U4030B	B2	D4
Q4040	D4	E4		U4031A	D2	D4
Q5040	E2	E5		U4031B	D2	D4
Q5041	E2	F5		U4032	C4	E4
Q5042	E2	E5		U4040A	D3	F4
Q5043	E2	F5		U4040B	D3	F4
R4030	В3	D4		U4040C	E4	F4
R4031	D2	D4	ŀ	U4040D	C3	F4
R4032	C2	D4				

P/O A7 ASSEMBLY also shown on Schematics 18A,18B,19,21A, & 22

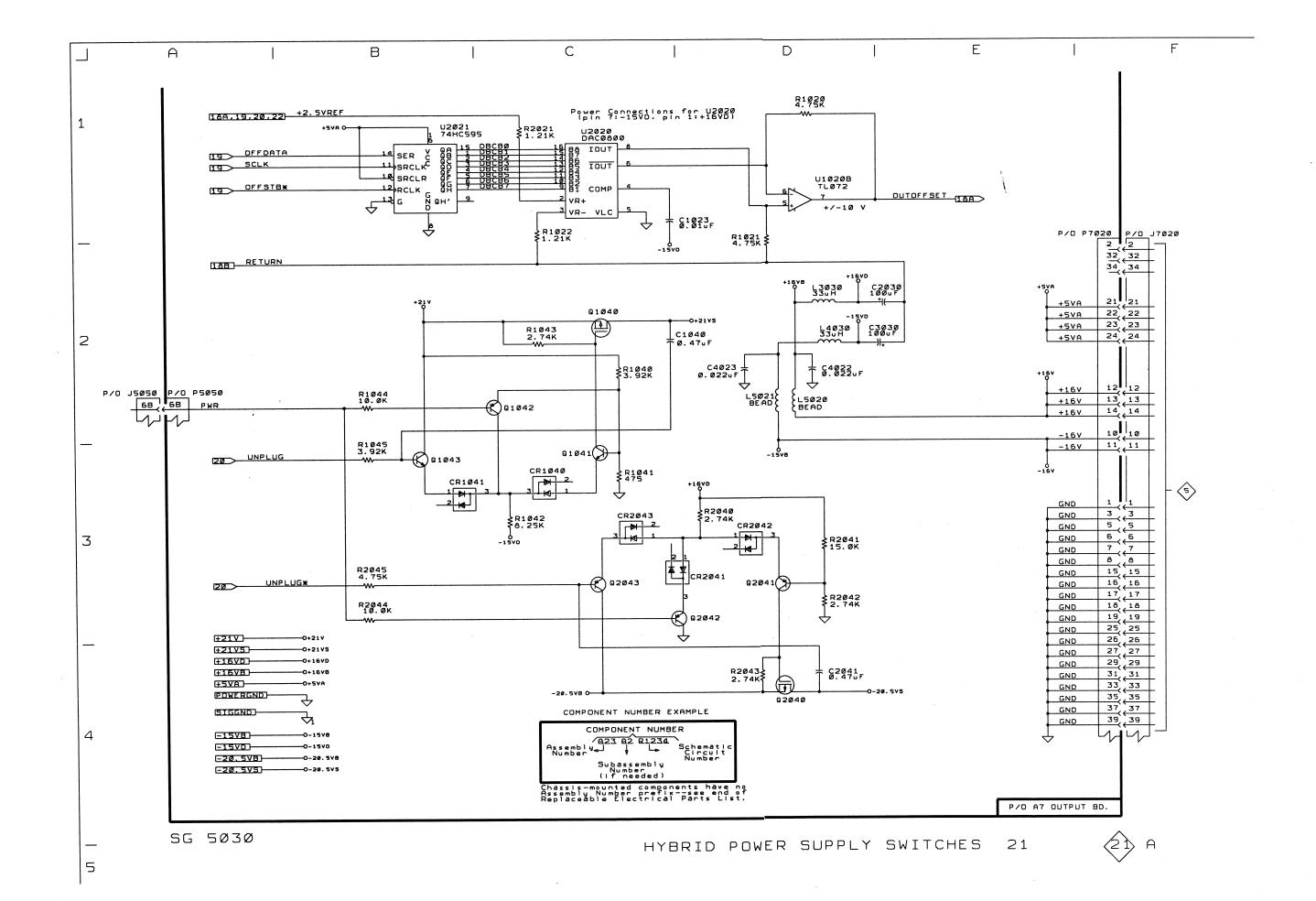


<b>Table 10–21A</b>	
Component Reference	Chart

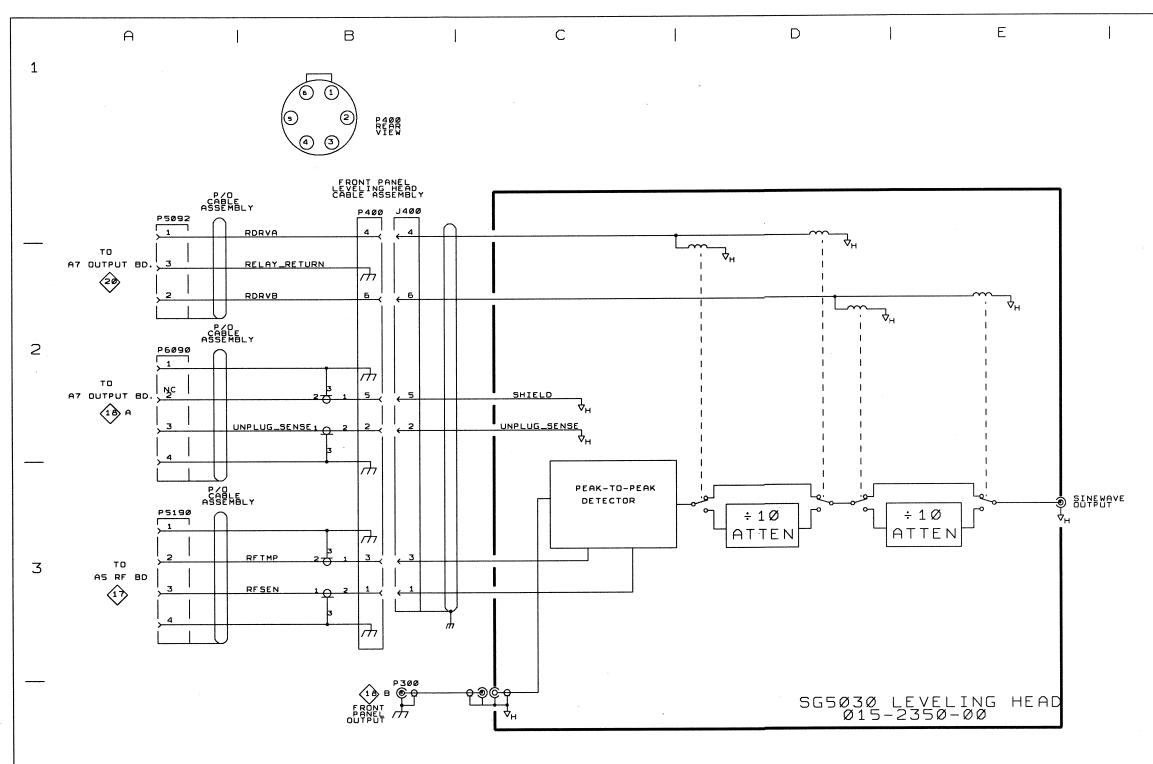
HYBRID POWER SUPPLY SWITCHES 21

			,			
CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
			1			
C1023	C1	C2		Q2041	D3	E2
C1040	C2	E2		Q2042	D3	E2
C2030	E2	D1		Q2043	C3	E2
C2041	D4	E2		R1020	D1	C1
C3030	E2	D3		R1021	D2	C1
C4022	D2	C4		R1022	C1	C1
C4023	D2	C4		R1040	C2	E1
CR1040	C3	E1		R1041	C3	E1
CR1041	B3	' E1		R1042	C3	E1
CR2041	D3	E2		R1043	C2	E1
CR2042	D3	E2		R1044	B2	E1
CR2043	C3	E2		R1045	B3	E2
L3030	D2	D3		R2021	C1	C2
L4030	D2	D4		R2040	D3	E2
L5020	D2	C4		R2041	D3	E2
L5021	D2	C4		R2042	D3	E2
P5050	A2	<b>A4</b>		R2043	D4	E2
P7020	F2	B5		R2044	B3	E2
Q1040	C2	E1		R2045	B3	E2
Q1041	C3	E1		U1020B	D1	C1
Q1042	C2	E1		U2020	C1	C2
Q1043	B3	E1		U2021	B1	C2
Q2040	D4	F3				

P/O A7 ASSEMBLY also shown on Schematics 18A,18B,19,20, & 22



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SG 5030 LEVELING HEAD 21 B

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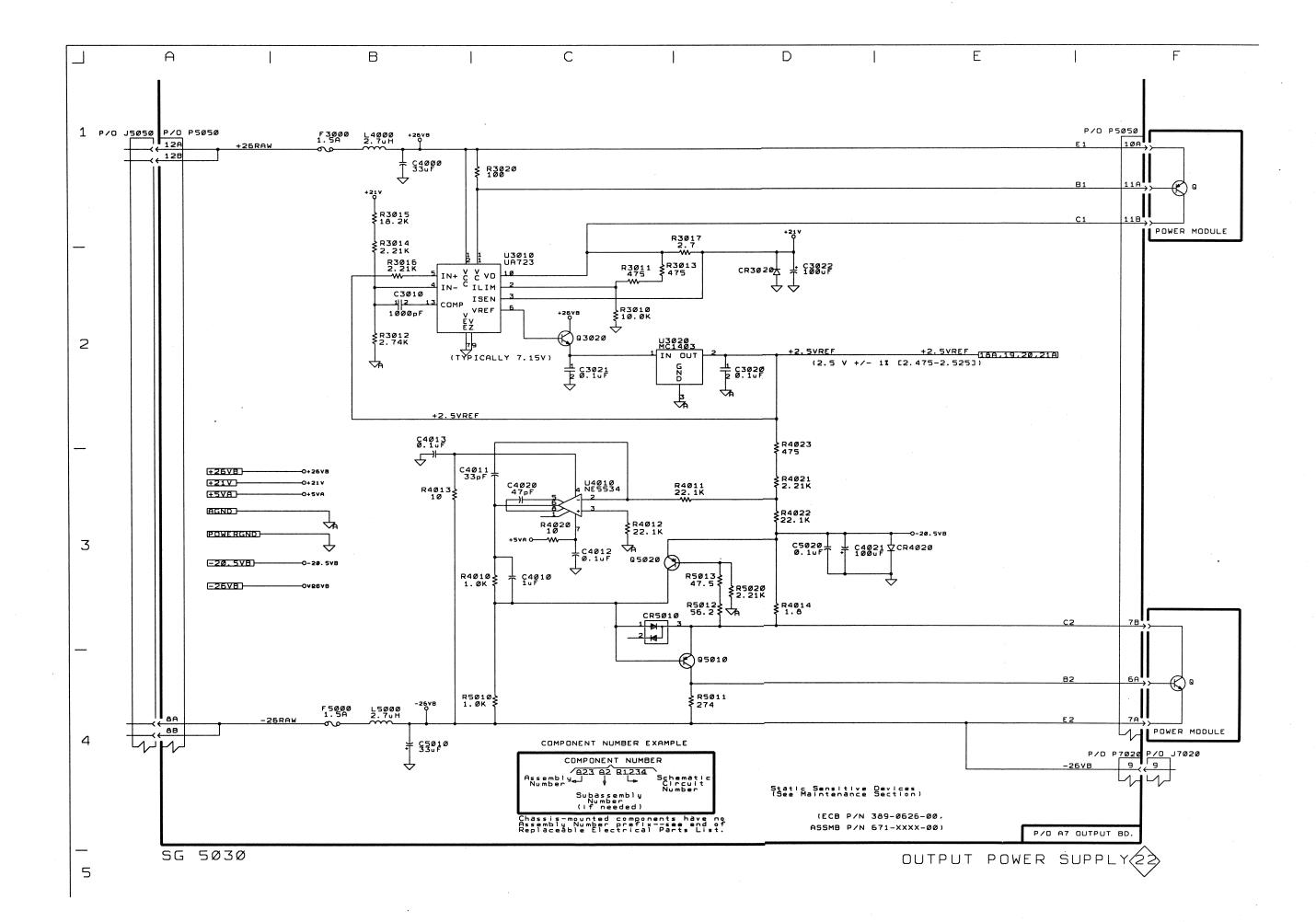
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Table 10-22 Component Reference Chart

**OUTPUT POWER SUPPLY 22** 

			•			
CIRCUIT	SCHEMATIC	BOARD		CIRCUIT	SCHEMATIC	BOARD
NUMBER	LOCATION	LOCATION		NUMBER	LOCATION	LOCATION
C3010	B2	C3		Q??	F1	OFF BD.
C3020	D2	C3		Q???	F4	OFF BD.
C3021	C2	C3		R3010	C2	B3
C3022	D2	C3		R3011	C2	B3
C4000	B1	B4		R3012	B2	В3
C4010	C3	B4		R3013	C2	В3
C4011	C3	B4		R3014	B1	В3
C4012	C3	C4		R3015	B1	В3
C4013	B3	C4		R3016	B2	В3
C4020	C3	C4		R3017	D2	В3
C4021	D3	C4		R3020	C1	C3
C5010	B4	B5		R4010	C3	B4
C5020	D3	C4		R4011	D3	B4
CR3020	D2	C3		R4012	C3	B4
CR4020	E3	C4		R4013	B3	<b>B</b> 4
CR5010	C3	<b>B</b> 5		R4014	D3	B4
F3000	B1	B3		R4020	СЗ	C4
F5000	B4	<b>B</b> 5		R4021	D3	C4
L4000	B1	<b>A</b> 4		R4022	D3	C4
L5000	B4	<b>A</b> 5		R4023	D2	C4
P5050	F1	<b>A</b> 4	1	R5010	C4	B4
P5050	A4	<b>A</b> 4	İ	R5011	D4	B5
P5050	F4	<b>A</b> 4	l	R5012	D3	B4
P5050	A1	<b>A</b> 4		R5013	D3	B4
P7020	F4	B5		R5020	D3	C4
Q3020	C2	C3		U3010	B2	C3
Q5010	D4	B4		U3020	D2	C3
Q5020	C3	C4		U4010	СЗ	C4

P/O A7 ASSEMBLY also shown on Schematics 18A,18B,19,20, & 21A



#### MANUAL CHANGE INFORMATION

At Tektronix, we continually strive to keep up with latest electronic developments by adding circuit and component improvements to our instruments as soon as they are developed and tested.

Sometimes, due to printing and shipping requirements, we can't get these changes immediately into printed manuals. Hence, your manual may contain new change information on following pages.

A single change may affect several sections. Since the change information sheets are carried in the manual until all changes are permanently entered, some duplication may occur. If no such change pages appear following this page, your manual is correct as printed.



### **MANUAL CHANGE INFORMATION**

Date: Nov 1991 Change Reference: M76521

Product: SG 5030 Sine Wave Generator Manual Part Number: 070-7703-01

#### **DESCRIPTION**

Product Group 75

For serial numbers B010218 and above, please make the following changes:

## Section 9 REPLACEABLE ELECTRICAL PARTS

#### Page 9-10

Replace the current information with the following:

Tektronix Serial Number				Mfr		
Component No.	Part Number	Effect	Discont	Part Name & Description	Code	Mfr Part Number
A4	671-1440-00	B010100	B010217	CIRCUIT BD ASSY:DDS	80009	671-1440-00
A4	671-1440-01	B010218		CIRCUIT BD ASSY:DDS	80009	671-1440-01

#### Page 9-11

Replace the current information with the following:

Tektronix Serial Number			Mfr			
Component No.	Part Number	Effect	Discont	Part Name & Description	Code	Mfr Part Number
A4C6011 A4C6011	281-0909-00 281-0913-00	B010100 B010218	B010217	CAP,FXD,CER:0.022µF,20%,50V CAP,FXD,CER:0.1µF,50V	04222 04222	SA105C223MAA SA105E104ZAA

#### Page 9-13

Replace the current information with the following:

Component No.	Tektronix Part Number	Serial Effect	Number Discont	Part Name & Description	Mfr Code	Mfr Part Number
A4R5000	313-1102-00	B010100	B010217	RES,FXD,FILM:1KQ,5%,0.2W	91637	CCF50-2-10000J
A4R5000	313-1182-00	B010218		RES,FXD,FILM:1.8KQ,5%,0.2W	91637	CCF501G18000J

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