Downloaded by RadioAmateur.EU



HF/VHF TRANSCEIVER	
IC-706MKI	

Icom Inc.

### INTRODUCTION

This service manual describes the latest service information for the IC-706MK II HF/VHF TRANSCEIVER at the time of publication.

VERSION NO.	VERSION	SYMBOL
#02	Europe	EUR
#03	France	FRA
#04	Denmark	DEN
#05	U.S.A.	USA

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.

### **DANGER**

**NEVER** connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

**DO NOT** expose the transceiver to rain, snow or any liquids.

**DO NOT** reverse the polarities of the power supply when connecting the transceiver.

**DO NOT** apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



## **ORDERING PARTS**

Be sure to include the following four points when ordering replacement parts:

- 1. 10-digit order numbers
- 2. Component part number and name
- 3. Equipment model name and unit name
- 4. Quantity required

### <SAMPLE ORDER>

1110004080 S.IC  $\mu$ PC2709T IC-706MK II MAIN UNIT 5 pieces 8810009020 Screw FH M2.6 x 5 ZK IC-706MK II Top cover 10 pieces

Addresses are provided on the inside back cover for your convenience.

### **REPAIR NOTES**

- Make sure a problem is internal before disassembling the transceiver.
- 2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
- 3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
- 4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
- 5. **DO NOT** keep power ON for a long time when the transceiver is defective.
- DO NOT transmit power into a signal generator or a sweep generator.
- 7. **ALWAYS** connect a 50 dB to 60 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
- 8. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.

## **TABLE OF CONTENTS**

SECTION	1	SPECIFICATIONS
SECTION	2	INSIDE VIEWS
SECTION	3	CIRCUIT DESCRIPTION
	3 -	1 RECEIVER CIRCUITS
		2 TRANSMITTER CIRCUITS
		3 PLL CIRCUITS3 - 6
	3	4 LOGIC CIRCUITS
SECTION	4	ADJUSTMENT PROCEDURES
	4 -	1 PREPARATION BEFORE SERVICING4 - 1
	4 - :	2 PLL ADJUSTMENT
	4 - 3	3 RECEIVER ADJUSTMENT4 - 2
		4 TRANSMITTER ADJUSTMENT4 - 4
	4 - 9	5 METER ADJUSTMENT
SECTION	5	PARTS LIST
SECTION	6	MECHANICAL PARTS AND DISASSEMBLY
SECTION	7	SEMI-CONDUCTOR INFORMATION
SECTION	8	BOARD LAYOUTS
	8 - '	1 DISPLAY BOARD8 - 1
	8 - 2	2 MAIN BOARD8 - 3
	8 - 3	3 PLL UNIT8 - 5
	8 - 4	4 PA UNIT8 - 7
	8 - 8	5 FILTER BOARD
SECTION	9	BLOCK DIAGRAM

SECTION 10 VOLTAGE DIAGRAM

## **SECTION 1** SPECIFICATIONS

#### **■** GENERAL

Frequency coverage

Receive 0.030 – 200.000 MHz\* Transmit 1.800 – 1.999 MHz\*

3.500 - 3.999 MHz\*
7.000 - 7.300 MHz\*
10.100 - 10.150 MHz
14.000 - 14.350 MHz
18.068 - 18.168 MHz
21.000 - 21.450 MHz
24.890 - 24.990 MHz
28.000 - 29.700 MHz
50.000 - 54.000 MHz\*
144.000 - 148.000 MHz\*

\*Depending on version.

• Mode : USB, LSB, CW, RTTY (FSK), AM,

FM, WFM (WFM is for receiver only)

• Number of memory ch. : 102 (99 regular, 2 scan edges,1 call)

Antenna connector : SO-239×2

(for HF/50 MHz and 144 MHz)/50  $\Omega$ 

Power supply requirement: 13.8 V DC ±15% (negative ground)

• Frequency stability : Less than ± 7 ppm from 1 min. to 60

min. after power ON. After that, rate of stability less than ±1 ppm/hr. at +25°C (+77°F). Temperature fluctuations 0°C to +50°C (+32°F to +122°F) less than ±5 ppm.

• Current consumption :

Transmit max. power 20 A
Receive standby 1.8 A
max. audio 2.0 A

 $\bullet$  Usable temperature range  $\,:-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  (+14°F to +140°F)

• Dimensions :  $167(W) \times 58(H) \times 200(D)$  mm

 $6^{9}/16(W) \times 2^{9}/32(H) \times 7^{7}/8(D)$  inch

• Weight : 2.45 kg (5 lb 6 oz)

• CI-V connector : 2-conductor 3.5 (d) mm ( $^{1}/8$ ")/8  $\Omega$ 

ACC connector : 13-pin

### **■** TRANSMITTER

• Output power :

1.8-50 MHz band SSB/CW/RTTY/FM 5-100 W

AM 2–40 W

2-8 W

144 MHz band SSB/CW/RTTY/FM 2-20 W

AM

Modulation system :

SSB Balanced modulation
AM Low level modulation

FM Variable reactance modulation

• Spurious emissions : Less than -50 dB (HF)

Less than -60 dB (50, 144 MHz)

Carrier suppression : More than 40 dB
 Unwanted sideband supp. : More than 50 dB

• Microphone connector : 8-pin modular jack (600  $\Omega$ ) • KEY connector : 3-conductor 6.35 (d) mm ( $^{1}$ /4") • RTTY connector : 3-conductor 3.5 (d) mm ( $^{1}$ /8")

### ■ RECEIVER

Receive system

SSB/CW/AM/WFM Double superheterodyne FM Triple superheterodyne

• Intermediate frequencies

MODE	1st	2nd	3rd
SSB/FM	69.0115 MHz	9.0115 MHz	455 kHz*
AM/FM-N	69.0100 MHz	9.0100 MHz	455 kHz*
CW	69.0106 MHz	9.0106 MHz	
RTTY	69.0105 MHz	9.0105 MHz	
WFM	70.7000 MHz	10.7000 MHz	_

\*FM or FM-N mode only

Receive sensitivity

(pre-amp ON)

FREQUENCY	SSB/CW	AM	FM
0.5 – 1.8 MHz		13 µV	
1.8 – 28 MHz*	0.15 μV	2 μV	_
28 – 29.999 MHz	0.15 μV	2 μV	0.5 µV
50 MHz band	0.12 μV	1 μV	0.25 μV
144 MHz band	0.11 µV	1 μV	0.18 μV

Note: SSB, CW and AM modes are measured at 10 dB S/N; FM mode at 12 dB SINAD.

\*Except 4-4.5 MHz, 8-9 MHz.

• Squelch Sensitivity : (pre-amp ON)

SSB Less than  $5.6 \mu V$  FM Less than  $0.32 \mu V$ 

• Selectivity\*

SSB, CW, RTTY More than 2.4 kHz/-6 dB

Less than 4.8 kHz/-60 dB

AM/FM-N More than 8.0 kHz/-6 dB

Less than 30 kHz/-40 dB

FM More than 12 kHz/-6 dB

Less than 30 kHz/-60 dB

\*Without an optional filter unit and with mid bandwidth selected.

• Spurious and image rejection ratio:

70 dB (except IF through/50 MHz) 60 dB (144 MHz FM mode)

Audio output power

: More than 2.0 W at 10% distortion

(at 13.8 V DC) with an 8  $\Omega$  load

• RIT variable range : ± 9.99 kHz

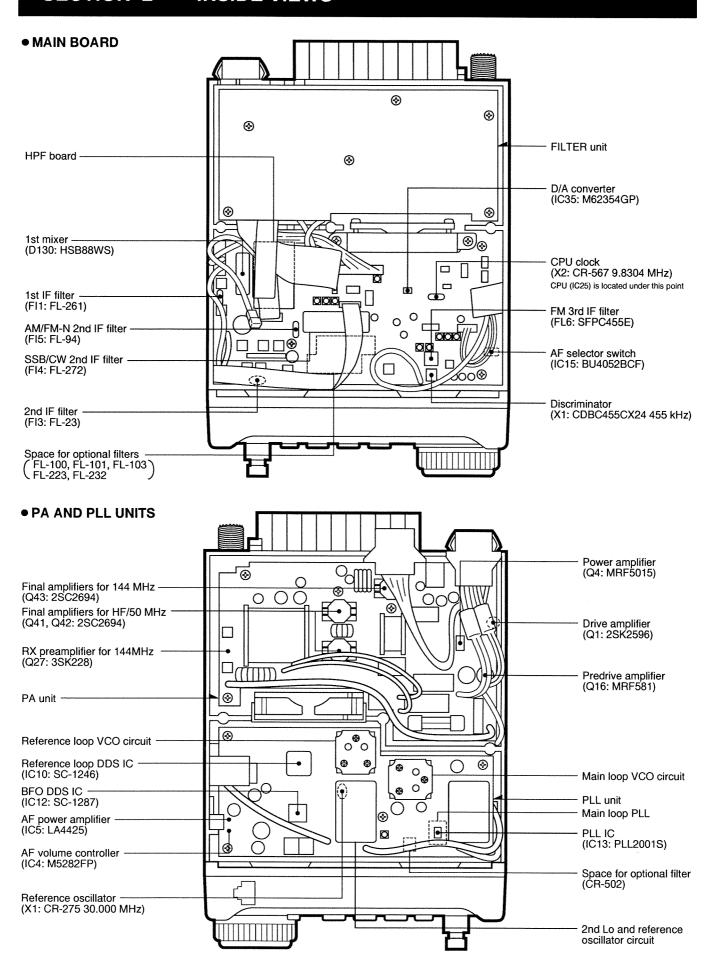
PHONES connector

: 3-conductor 3.5 (d) mm (1/8")/8  $\Omega$ 

• EXT SP connector

: 2-conductor 3.5 (d) mm ( $^{1}/8$ ")/8  $\Omega$ 

## SECTION 2 INSIDE VIEWS



## SECTION 3 CIRCUIT DESCRIPTION

### **3-1 RECEIVER CIRCUITS**

## 3-1-1 HF/50 MHz RF CIRCUIT (FILTER, MAIN AND HPF BOARDS)

HF/50 MHz RF filters pass only the desired band signals and suppress any undesired band signals. The HF/50 MHz RF circuit has 7 low-pass filters and 6 high-pass filters for specified band use.

HF/50 MHz RF signals from the [ANT1] connector, pass through one of 7 low-pass filters as below, the transmit/receive switching relay (FILTER unit; RL1) and low-pass filter (FILTER unit; L1, L2, C1–C5), and are then applied to the MAIN board via J1 (FILTER unit).

### • Used RF low-pass filter (FILTER board)

Band	Control signal	Input relay	Band [MHz]	Control signal	Input relay
0.03–2 MHz	L1	RL15	15-22 MHz	L5	RL11
2-4 MHz	L2	RL13	22-30 MHz	L6	RL7
4–8 MHz	L3	RL5	30-60 MHz	L7	RL3
8–15 MHz	L4	RL9			

The signals from the FILTER board are applied to or bypass the 20 dB attenuator (R3, R4). The signals pass through the high-pass filter (L3, L4, C3–C7) to suppress strong signals below 1.6 MHz and are then applied to the HPF board via the "TOAT" terminal.

### (1) 0.03-2 MHz and 30-40 MHz

The signals pass through a low-pass filter (L23, L24, C38–C42), and then applied to the preamplifier circuit on the MAIN board.

#### (2) 2-30 MHz

The signals from the low-pass filter (L23, L24, C38–C42) are applied to one of 6 high-pass filters as at right above and are then applied to the preamplifier circuit on the MAIN board.

### (3) 40-60 MHz

The signals pass through the low-pass filter (L25, L26, C43-C46, C60) and the high-pass filter (L29, L30, C47-C51) via D13 and are then applied to the preamplifier circuit on the MAIN board.

### Used RF high-pass filter (HPF board)

Band	Control signal	SW diode	Band [MHz]	Control signal	SW diode
0.03-2 MHz	TH	D5	15–22 MHz	H5	D21
2-4 MHz	H2	D16	22–30 MHz	H6	D7
4-8 MHz	НЗ	D20	30-40 MHz	TH	D5
8-15 MHz	H4	D17	40-60 MHz	BV, T8	D13

### 3-1-2 VHF RF CIRCUIT (PA UNIT)

The VHF RF circuit passes and amplifies only the desired band signals and suppresses any undesired band signals. The VHF RF circuit has a preamplifier and 2 bandpass filters.

The VHF RF signals from the [ANT2] connector pass through the low-pass filter (L16, L17, C35–C39) and antenna switching circuit (D4, D14, D15, D24). The signals are amplified at the preamplifier circuit (Q27) between the 2 bandpass filters (D21, D33 and D19, D31).

The filtered signals are applied to the MAIN board via J12 (PA unit) and are then applied to the preamplifier circuit.

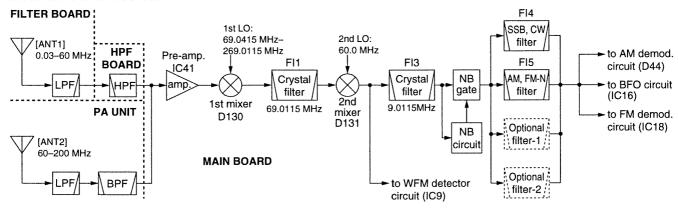
D19, D21, D31 and D33 are varactor diodes that tune the center frequency of an RF passband for wide bandwidth receiving and good image response rejection. When signals above 129 MHz are received, the switching diodes (D20, D22) are turned off by the control signal "LB" from the PLL unit, then the varactor diodes (D33, D31) are disconnected.

### 3-1-3 PREAMPLIFIER CIRCUIT (MAIN BOARD)

The preamplifier circuit in the IC-706MKII has approx. 15 dB gain over a wideband frequency range.

When the preamplifier is turned ON, the signals from the RF circuit are applied to the preamplifier (IC41) via D122. Amplified or bypassed signals are applied to the 1st mixer circuit (D130).

#### RECEIVER CONSTRUCTION



### 3-1-4 1ST MIXER CIRCUIT (MAIN BOARD)

The 1st mixer circuit mixes the receive signals with the 1st LO signal to convert the receive signal frequencies to a 69 or 70.7 MHz 1st IF.

The signals from the preamplifier circuit, or signals which bypass the preamplifier, are applied to a low-pass filter and then to the 1st mixer (D130).

The 1st LO signals (69.0415–269.0115 MHz) enter the MAIN board from the PLL unit via J4. The LO signal is amplified at Q4, filtered by a low-pass filter, and then, applied to the 1st mixer.

#### • 1st IF frequency

Mode	Frequency
SSB, FM	69.0115 MHz
CW, RTTY	69.0106 MHz
AM	69.0100 MHz
WFM	70.7000 MHz

### 3-1-5 1ST IF CIRCUIT (MAIN BOARD)

The 1st IF circuit filters and amplifies the 1st IF signals. The 1st IF signals are applied to a Crystal Filter (FI1) to suppress out-of-band signals.

The 69 MHz 1st IF signals (except WFM) pass through the crystal filter (FI1), however, the 70.7 MHz 1st IF signal (WFM) passes through a bandpass filter (L104–L108, C358–C361). Then the filtered signals are applied to the IF amplifier (IC4).

The AGC voltage is supplied to the transmit/receive switching circuit (D13, D14) and D13/D14 function as PIN attenuators for AGC operation.

The amplified signals are then applied to the 2nd mixer circuit (D131) via the bandpass filter (L109-L112, C364-C367).

### 3-1-6 2ND MIXER CIRCUIT (MAIN BOARD)

The 2nd mixer circuit mixes the 1st IF signals and 2nd LO signal (60.00 MHz) to convert the 1st IF to a 2nd IF.

The 1st IF signals from the band pass filter (L109–L112, C364–C367) are converted to 9 MHz or 10.7 MHz 2nd IF signals at the 2nd mixer (D131).

The 2nd IF signals are applied to the bandpass filter (FI3) to suppress undesired signals, such as the 2nd LO signal, and are then applied to the noise blanker gate (D20, D21).

2st IF frequency

Mode	Frequency
SSB, FM	9.0115 MHz
CW, RTTY	9.0106 MHz
AM	9.0100 MHz
WFM	10.7000 MHz

While in WFM mode, the IF signals pass through the low-pass filter (L52, C82–C84), IF amplifier (Q5), ceramic filter (FI2) and IF amplifier (Q52). The signals are then applied to the WFM demodulator circuit (IC9).

### 3-1-7 NOISE BLANKER CIRCUIT (MAIN BOARD)

The noise blanker circuit detects pulse type noise, and turns OFF the signal line when noise appears.

A portion of the signals from FI3 are amplified at the noise amplifiers (Q10, Q12, amplifier section of IC9), then detected at the noise detector (D39) to convert the noise components to DC voltages.

The converted voltages are then applied to the noise blanker switch (Q13, Q14). At the moment the detected voltage exceeds Q13's threshold level, Q14 outputs a blanking signal to close the noise blanker gate (D20, D21) by applying reverse-biased voltage.

The detected voltage from D39 is also applied to the noise blanker AGC circuit (Q11, Q16) and is then fed back to the noise amplifier (IC9) as a bias voltage. The noise AGC circuit prevents closure of the noise blanker gate for long periods by non-pulse-type noise. The time constant of the noise blanker AGC circuit is determined by R143 and C459.

The 2nd IF signals from the noise blanker gate are then applied to the 2nd IF circuit.

### 3-1-8 2ND IF CIRCUIT

The 2nd IF circuit amplifies and filters the 2nd IF signals.

The 2nd IF signals from the noise blanker gate (D20, D21) are amplified at the IF amplifier (IC6) via the Tx/Rx switch (D22) and applied to a 2nd IF filter as shown below.

### • Used 2nd IF filter

Mode	Used filter	Control signal
SSB, CW, RTTY AM nar.	FL-272 (FI4)	2F23
AM, FM nar.	FL-94 (FI5)	2F80
FM	Bypassed	2FTH
SSB nar.	Optional FL-223	OP1 or OP2
CW nar., RTTY nar.	Optional FL-100, FL101, FL-223, FL-232	OP1 or OP2
SSB wide, CW wide, RTTY wide	Optional FL-103	OP1 or OP2

The filtered or bypassed signals are applied to the buffer amplifier (Q65), IF amplifiers (Q42, Q43) and buffer amplifier (Q44) to obtain a detectable level at the demodulator circuit

The amplified signals from the buffer amplifier (Q44) are shared between the SSB/CW/RTTY detector (IC16), AM detector (D44) and AGC detector (D43). Output signals from Q65 are applied to the FM IF IC (IC18).

### 3-1-9 IF SHIFT CIRCUIT (MAIN BOARD)

The IF shift circuit shifts the center frequency of IF signals to electronically shift the center frequency.

The IF shift circuit shifts the 1st LO and BFO within  $\pm 1.2$  kHz in SSB/CW/RTTY modes or  $\pm 250$  Hz in CW-N/RTTY-N modes. As a result, the 2nd IF (also 1st IF) is shifted from the center frequency of the 2nd IF filter (FI4, FI5 or optional IF filters). This means 2nd IF signals do not pass through the center of the 2nd IF filter. Therefore, the higher or lower frequency components of the IF are cut out. Since the BFO frequency is also shifted the same value as the 1st IF, frequency is corrected at the detector.

In the IC-706MKII, the 1st LO frequency is shifted to change the 2nd IF because a fixed 2nd LO frequency (60 MHz) is used. The 1st IF filter (FI1) and crystal filter (FI3) have 15 kHz passband widths, and do not affect IF shift operation.

### 3-1-10 AGC CIRCUIT (MAIN BOARD)

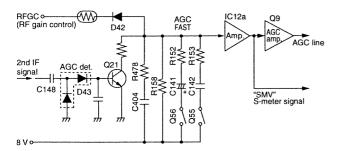
The AGC (Automatic Gain Control) circuit reduces IF amplifier gain to keep the audio output at a constant level. The receiver gain is determined by the voltage on the AGC line (Q9 collector).

The 2nd IF signal from the buffer amplifier (Q44) is detected at the AGC detector (D43) and applied to the AGC amplifiers (Q21, IC12a, Q9). IC12a sets the receiver gain with the [RF/SQL] control via the "RFGC' signal line.

When receiving strong signals, the detected voltage increases and the AGC voltage decreases via the DC amplifier (Q9). The AGC voltage is used for the bias voltage of the transmit/receive switching PIN diodes (D13, D14, D22, D23) to attenuate the received signals.

When AGC slow is selected, C141 and R152 are connected in parallel to obtain appropriate AGC characteristics.

#### AGC CIRCUIT



## 3-1-11 S-METER CIRCUIT (MAIN BOARD)

The S-meter circuit indicates the relative received signal strength while receiving by utilizing the AGC voltage which changes depending on the received signal strength.

The output voltage of the AGC amplifier (IC12a, pin 1) is applied to the main CPU (IC25, pin 30) as an S-meter signal via the "SMV" signal line. The FM S-meter signal from the FM IF IC (IC18, pin 12) is also applied to the main CPU (IC25, pin 30) via Q68.

The S-meter signal from the main CPU (IC25) is applied to the sub CPU and is then displayed on the S-meter readout.

### 3-1-12 SQUELCH CIRCUIT (MAIN BOARD)

The squelch circuit mutes audio output when the S-meter signal is lower than the [RF/SQL] control setting level.

The S-meter signal is applied to the main CPU (IC25 pin 30) in SSB/CW/RTTY modes and is compared with the threshold level set by the [RF/SQL] control. The [RF/SQL] setting is picked up at the sub CPU (DISPLAY board; IC1, pin 99). The main CPU compares the S-meter signal and [RF/SQL] setting, and controls the AF selector switch (IC15) to cut out AF signals via IC27a.

In FM mode, a portion of the AF signals from the FM IF IC (IC18, pin 9) are applied to the active filter section (pin 8) where noise components above 20 kHz are amplified. The signals are rectified at the noise detector section and then output from pin 14. The noise squelch signal from pin 14 is applied to the main CPU (pin 31) via the "NSQV" signal line. The CPU then controls the AF selector switch (IC15).

## 3-1-13 DEMODULATOR CIRCUITS (MAIN BOARD) (1) SSB/CW/RTTY modes

The 2nd IF signals from the buffer amplifier (Q44) are mixed with the BFO signal from the PLL unit at the product detector (IC16, pin 6). The detected AF signals from IC16 (pin 3) are applied to the AF selector switch (IC15, pin 12).

### (2) AM mode

The 2nd IF signals from the buffer amplifier (Q44) are detected at the AM detector (D44). The detected AF signal is applied to the AF selector switch (IC15, pin 15).

### (3) FM/FM NARROW modes

The 2nd IF signals from the buffer amplifier (Q65) are applied to the FM IF IC (IC18, pin 16) where the IF signals are converted into 455 kHz IF signals. The signals pass through FI6 and are applied to the quadrature detector section. X1 is used for quadrature detector. The detected AF signals from pin 9 are then applied to the AF selector switch (IC15, pin 14) via the de-emphasis circuit (IC12b).

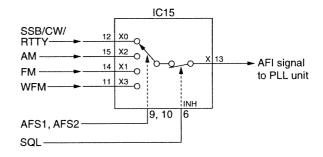
#### (4) WFM mode

The 2nd IF signals from the IF amplifier (Q5) pass through FI2, are amplified at Q52 and are then applied to the FM IF IC (IC9, pins 2, 3) where the IF signals are converted into AF signals. The detected AF signals from pin 8 are then applied to the AF selector switch (IC15, pin 11).

### 3-1-14 AF SELECTOR SWITCH (MAIN BOARD)

The AF signals from one of the detector circuits are applied to the AF selector switch (IC15). IC15 consists of dual 4-channel analog switches which are selected with a mode signal and the squelch control signal.

### AF selector switch



## 3-1-15 AF AMPLIFIER CIRCUIT (PLL UNIT)

The AF amplifier amplifies the demodulated signal to a suitable driving level for the speaker.

The AF signals from the AF selector switch (MAIN board; IC15) are applied to the PLL unit via the "AFI" signal line. The CW side tone/beep tone and optional synthesized voice are also applied to the PLL unit via the "AFBP" signal line.

The AF signals from the MAIN board are applied to the VCA (Voltage Controlled Amplifier) circuit (IC4). The AF gain setting from the main CPU is converted to DC voltage at the D/A converter (MAIN board IC35) and applied to the VCA control terminal (IC4, pin 8) via the "AFGC" signal line. The output AF signal from IC4 (pin 9) is power-amplified at IC5 to drive the speaker.

# 3-2 TRANSMITTER CIRCUITS 3-2-1 MICROPHONE AMPLIFIER CIRCUIT (MAIN BOARD)

The microphone amplifier circuit amplifies microphone input signals and outputs the amplified signals to the balanced modulator or FM modulation circuit.

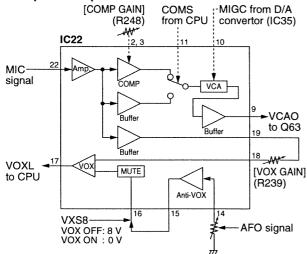
Audio signals from the front or rear panel [MIC] connector enter the microphone amplifier IC (IC22, pin 22) and are then amplified at the microphone amplifier or speech compressor section. Compression level is adjusted with the [COMP GAIN] control (R248).

The amplified or compressed signals are applied to the VCA section of IC22. The microphone gain setting from the D/A converter (IC35, pin 11) is applied to the VCA control terminal (IC22, pin 10). The resulting signals from pin 9 are then applied to the buffer amplifier (Q63). External modulation input from the [ACC] socket (pin 11) is also applied to Q63.

While in SSB mode, the amplified signals from the buffer amplifier (Q63) are applied to the AF selector switch (IC23) and then to the balanced modulator (IC17).

While in AM/FM mode, the amplified signals from the buffer amplifier (Q63) are applied to the limiter amplifier (IC24a) and splatter filter (IC24b). The signals are then applied to the AF selector switch (IC23) in AM mode or to the varactor diode (D67) in FM mode.

Microphone amplifier



### 3-2-2 VOX CIRCUIT (MAIN BOARD)

The VOX (Voice-Operated-Transmission) circuit sets transmitting conditions according to voice input. The microphone amplifier IC (IC22) includes the VOX circuit.

The microphone signals from IC22 (pin 19) pass through the [VOX GAIN] control (R239) and are then applied to the VOX comparator section (IC22, pin 18) to switch the keying input of the main CPU (IC25, pin 15). When voice levels exceed the reference level, the VOX circuit sets the transceiver to transmit.

On the other hand, a speaker drive signal from the AF power amplifier (PLL unit IC5) is applied to the anti-VOX comparator section (IC22, pin 14) via the [ANTI VOX] control (R244). When the audio output level increases, this comparator cuts outs the VOX comparator via the MUTE terminal (IC22, pin 16).

### 3-2-3 BALANCED MODULATOR (MAIN BOARD)

The balanced modulator converts the AF signals from the microphone amplifier to a 9 MHz IF signal with a BFO (Beat Frequency Oscillator) signal.

Microphone signals from the AF selector switch (IC23) are applied to the balanced modulator (IC17 pin 6). The BFO signal from the PLL unit is applied to IC17 (pin 8) as a carrier signal.

IC17 is a double balanced mixer IC and outputs a double side band (DSB) signal with -40 dB of carrier suppression. R191 and R193 adjust the balanced level of IC17 for maximum carrier suppression. The resulting signal passes through a 9 MHz IF filter (FI4 in SSB/CW/RTTY modes) to suppress unwanted sideband signals.

In AM mode, R195 is connected to upset the balance of IC17 via Q23 for leaking the BFO signal as a carrier signal. The CW keying/RTTY TX signal is applied to IC17 pin 6.

## 3-2-4 FM MODULATION CIRCUIT (MAIN BOARD)

The microphone signals from Q63 are applied to the limiter amplifier (IC24a) and the splatter filter (IC24b). The 1750 Hz European tone signal from the main CPU (IC25 pin 40) is also applied to IC24a pin 2 for European repeaters. The subaudible tone signal (67.0–254.1 Hz) from the main CPU (IC25 pin 37) is also applied to IC24b pin 5 for repeater use.

The resulting signals are applied to the VCO circuit (Q40, D67) via R274 to change the reactance of the varactor diode (D67) for FM modulation. The modulated signal is buffer-amplified at Q41 and bypasses the 9 MHz IF filter.

### 3-2-5 TRANSMITTER IF CIRCUIT (MAIN BOARD)

The 9 MHz IF signal from the modulation circuit passes through the 9 MHz IF filter (FI4 in SSB/CW/RTTY modes; FI5 in AM/FM-N modes; through in FM mode). The signal is amplified at IC6, and then passes through the total gain adjustment volume (R511), and the crystal filter (FI3). The signal is then applied to the 2nd mixer (D131).

The signal is mixed with the 2nd LO signal (60 MHz) and converted to a 69 MHz IF signal at the 2nd mixer (D131). The 69 MHz IF signal passes through a bandpass filter, the IF amplifier (IC4) and the 69 MHz IF filter (FI1) and is then converted to the displayed frequency at the 1st mixer (D130) with the 1st LO signal. The mixers (D130, D131) and IF amplifiers (IC4, IC6) are used commonly for both receiving and transmitting.

The ALC voltage is supplied to the transmit/receive switching circuit (D13/D14 and D22/D23). D13/D14 and D22/D23 function as PIN attenuators for ALC operation.

## 3-2-6 RF CIRCUIT (PA UNIT, MAIN AND HPF BOARD)

The RF circuit amplifies the displayed frequency signal to obtain 100 W of RF output power for HF/50 MHz bands and 20 W for the 144 MHz band.

The HF/50 MHz RF signal from the 1st mixer (D130) via the low-pass filter enters the HPF board and then passes through one of 6 high-pass filters (Refer to 3-1 for used RF high-pass filter.). The 50 MHz RF signal passes through a low-pass filter additionally. The filtered signal returns to the MAIN board, is amplified at the YGR amplifier (IC1), and is then applied to the PA unit.

The 144 MHz RF signal from the 1st mixer (D130) via the low-pass filter bypasses the filters in the HPF board via the "TOTR" line and passes through the bandpass filter (L99-L101, C329-C333) in the MAIN board, The signal is amplified at the RF amplifier (IC38) and YGR amplifer (IC1) and is then applied to the PA unit.

The signal from IC1 enters the PA unit and is amplified at the predrive amplifiers (Q16, Q1) and drive amplifier (Q4) in sequence. The amplified signal is applied to the band switch (RL1).

The HF/50 MHz RF signal from the band switch (RL1) is amplified at a power amplifier (Q41, Q42) to obtain a stable 100 W of RF output power. The power amplified signal is then applied to the [ANT1] connector via one of the lowpass filters in the FILTER board.

For the 144 MHz RF signal from the band switch (RL1), 20 W of RF output power is obtained at the power amplifier (Q43) and the signal is applied to the [ANT2] connector via the antenna switching circuit and low-pass filter.

### 3-2-8 ALC CIRCUIT (MAIN BOARD)

The ALC (Automatic Level Control) circuit reduces the gain of IF amplifiers in order for the transceiver to output a constant RF power set by the RF power setting even when the supplied voltage shifts, etc.

The HF/50 MHz RF power signal level is detected at the power detector (FILTER board; D9), buffer-amplified at IC1b and applied to the MAIN board as the "FOR" voltage. The 144 MHz RF power signal level is detected at the power detectors (PA unit; D2, D3) and applied to the MAIN board as the "VFOR" voltage.

The "FOR" and "VFOR" voltages are combined to the "FORV" voltage and then applied to IC7b (pin 6). The "POC" voltage from the D/A converter (IC35, pin 12), determined by the RF power setting, is applied to IC7b (pin 5) as the reference voltage.

When the "FORV" voltage exceeds the "POC" voltage, ALC bias voltage from IC7a (pin 1) controls the PIN diodes (D13, D14, D22, D23) using Q39. This adjusts the output power to the level determined by the RF power setting until the "FORV" and "POC" voltages are equalized.

In AM mode, IC7a operates as an averaging ALC amplifier with Q69 and C116. Q64 turns ON and the "POC" voltage is shifted for 40 W AM output power (maximum, 8 W for 144 MHz band) through R499.

The ALC bias voltage from IC7a is also applied to the main CPU (IC25 pin 34) as "ALCV" voltage for ALC meter indication.

An external ALC input (minus voltage) from the [ACC] socket (pin 6) is shifted to plus voltage at D70 and is applied to the buffer amplifier (Q8). External ALC operation is identical to that of the internal ALC.

### 3-2-9 APC CIRCUIT (MAIN BOARD)

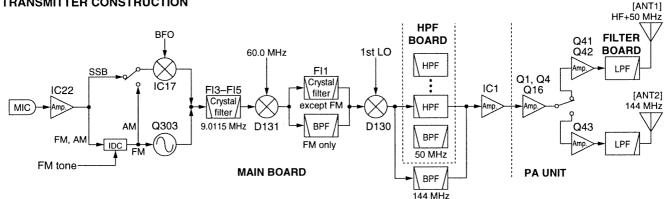
The APC (Automatic Power Control) circuit protects the power amplifiers on the PA unit from high SWR and excessive current for the HF/50 MHz bands.

The reflected wave signal appears and increases on the antenna connector when the antenna is mismatched. The HF/50 MHz reflected signal level is detected at D10 (FILTER board), buffer-amplified at IC1a and applied to the MAIN board as the "REFV" voltage.

When the "REFV" signal level increases, IC7c decreases the ALC voltage via IC7a to activate the ALC.

For the current APC, the driving current at the power amplifier is detected in the voltages ("ICH" and "ICL") which appear at both terminals of a 0.012  $\Omega$  resistor (R35) on the PA unit. The detected voltages are applied to the differential amplifier (IC7d pins 12, 13). When the current of the power amplifier exceeds 22 A, IC7d controls the ALC line via IC7a to prevent excessive current flow.

### • TRANSMITTER CONSTRUCTION



## 3-2-10 RF, ALC, SWR METER CIRCUITS (MAIN BOARD)

While transmitting, RF, ALC or SWR meter readings are available and can be selected with the [MET] switch.

### (1) Power meter

The "FOR" and "VSOR" voltages are combined to "FORV" voltage and it is then applied to the main CPU (IC25 pin 32) for indicating the output power.

### (2) ALC meter

The ALC bias voltage from IC7a pin 1 is applied to the main CPU (IC25 pin 34) for indicating the ALC level.

#### (3) SWR meter

The "FORV" and "REFV" voltages are applied to the main CPU pins 32 and 33, respectively. The main CPU compares the ratio of "FORV" to "REFV" voltage and indicates the SWR for the [ANT1] connector.

## 3-3 PLL CIRCUITS 3-3-1 GENERAL

The PLL unit generates a 1st LO frequency (69.0415–269.0115 MHz), a 2nd LO frequency (60 MHz), a BFO frequency (9.01 MHz), an FM 3rd LO frequency (9.4665/9.4650 MHz) and a TX FM PLL reference frequency (9.0115/9.0100 MHz).

The 1st LO PLL adopts a mixerless dual loop PLL system and has 2 VCO circuits. The BFO uses a DDS and the 2nd LO uses a fixed frequency double that of the crystal oscillator.

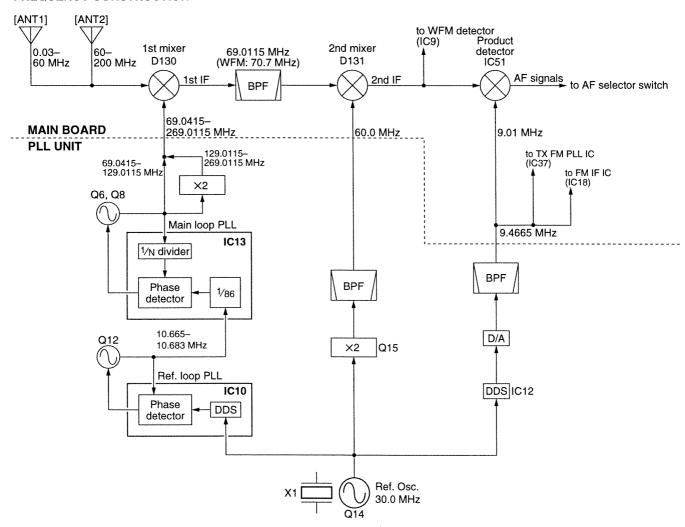
### 3-3-2 1ST LO PLL CIRCUIT

The 1st LO PLL contains a main loop and reference loop forming a dual loop system.

The reference loop generates a 10.6605 to 10.683 MHz frequency using a DDS circuit, and the main loop generates a 69.0415 to 134.50575 MHz frequency using the reference loop frequency.

While operating on 60 MHz and above, the output is doubled at D8 for oscillating a wide frequency range.

### • FREQUENCY CONSTRUCTION



### (1) REFERENCE LOOP PLL

The oscillated signal at the reference VCO (Q12, D13) is amplified at the amplifiers (Q13, Q16) and is then applied to the DDS IC (IC 10, pin 46). The signal is then divided and detected on phase with the DDS generated frequency.

The detected signal output from IC10 (pin 56) is converted into a DC voltage (lock voltage) at the loop filter (R88, R203, C132) and then fed back to the varactor diode (D13) in the VCO circuit.

### (2) MAIN LOOP PLL

The oscillated signal at one of the main loop VCOs (Q6, Q8) is amplified at the buffer amplifiers (Q10, Q36) and is then applied to the PLL IC (IC13 pin 8). The signal is then divided and detected on phase with the reference loop output frequency.

The detected signal output from IC13 (pin 12) is converted into a DC voltage (lock voltage) at the active loop filter (Q47–Q49) and then fed back to one of the varactor diodes (D4, D6) in the VCO circuits. While operating on 60 MHz and above, the VCO output is doubled at D8 and amplified at Q37.

The oscillated signal passes through a low-pass or bandpass filter and is then applied to the MAIN board as a 1st LO signal.

## 3-3-3 2ND LO AND REFERENCE OSCILLATOR CIRCUITS

The reference oscillator (X1, Q14) generates a 30.0 MHz frequency used for the 1st LO and BFO circuits as a system clock and for the 2nd LO signal.

The oscillated signal is buffer-amplified at Q27, doubles at Q15 and the 60 MHz frequency is picked up at the bandpass filter (L37, L38). The 60 MHz signal is applied to the MAIN board as a 2nd LO signal.

### 3-3-4 BFO CIRCUIT

The DDS IC (IC12) generates a 10-bit digital signal. The signal is converted to an analog wave signal at the D/A converter (R116–R135). The analog wave is passed through the high-pass filter and low-pass filter. The 9 MHz BFO signal is then applied to the MAIN board via the "BFO" signal line.

While transmitting in RTTY mode, the RTTY keying signal is applied to IC12 pin 3 to shift the generated frequency and to obtain 2 frequencies for FSK operation.

While receiving in FM or FM narrow mode, the BFO circuit generates a 9.4665 MHz frequency as the 3rd LO signal.

While transmitting in FM or FM narrow mode, the BFO circuit generates a 9.0115 MHz or 9.0100 MHz frequency as the TX FM PLL reference frequency, respectively.

### BFO frequency

Mode	RX BFO/3rd LO frequency [MHz]	TX BFO/FM PLL ref. frequency [MHz]
USB	9.0130	9.0130
LSB	9.0100	9.0100
CW	9.0106 (–CW pitch frequency)	9.0106 (–CW pitch frequency)
CW-R	9.0106 (+CW pitch frequency)	9.0106 (+CW pitch frequency)
RTTY 9.008375 (2125 Hz tone) 9.008885 (1615 Hz tone)		9.0105 (MARK)
АМ	No output	9.0100
FM	9.4665 (3rd LO)	9.0115 (PLL ref.)
FM nar.	9.4650 (3rd LO)	9.0100 (PLL ref.)
WFM	No output	No output

IF shift: Center RTTY: Normal polarity

# 3-4 LOGIC CIRCUITS 3-4-1 BAND SELECTION DATA (MAIN BOARD AND PLL UNIT)

To select the correct RF low-pass filter, high-pass filter and VCOs on the PLL unit, the CPU outputs the following band selection data from the I/O expander (MAIN board; IC35) or DDS IC (PLL unit; IC10) depending on the displayed frequency.

The A/D converter output from IC35 pin 5 is doubled at IC34a to obtain the band voltage for external equipment.

### · Band selection data

Frequency [MHz]		, IC32 AIN)	IC35 (MAIN)	IC10 (PLL)	
	HPF BPF	LPF	1/2 band voltage	vco	LPF BPF
0.03-1.999999	L1	L1	3.76 V		
2.0-3.999999	L2	L2	3.08 V		
4.0-7.999999	L3	L3	2.57 V		
8.0-10.999999	L4	L4	0 V	VCO0	LOF1
11.0–14.999999	L <del>.4</del>	L4	2.06 V		
15.0–21.999999	L5	L5	1.61 V		
22.0–29.999999	L6	L6	1.12 V		
30.0–39.999999	B7W	L7		VCO1	LOF2
40.0–59.999999	B7	١,		VCOT	LOFZ
60.0-128.999999	B8W		0.04.14	VCO0	LOF3
129.0–143.9999	DOVV		0.61 V		LOF4
144.0–148.0000	B8	L8		VCO1	LOF5
148.000001– 200.000000	B8W			,,,,,	LOF4

## 3-4-2 MAIN CPU PORT ALLOCATIONS (MAIN board IC25)

/ 1111	(MAIN board IC25)								
Pin number	Port name	Description							
13	DSHL	Input port for the external paddle (DASH). Low: During key down							
14	DOTL	Input port for the external paddle (DOT) or straight key. Low: During key down							
15	SNDL	Input port for the [RTTY] or [MIC] connector. High: While transmitting.							
16	KEY	Input port for transmit control signal from the optional AT-180/AH-3 antenna tuners.							
17	STRT	Input port for the optional AH-3 antenna tuner connection detection. High: When AH-3 is connected.							
18	SQLS	Outputs a squelch control signal for the external unit.							
19	PWK	Input port for the [POWER] switch.  Low: When the [POWER] switch is pushed.							
20	POWS	Outputs a power ON signal for the optional AH-3 antenna tuner. High: While power is ON.							
21	ATST	Outputs start signal for the optional AT-180 anttena tuner.							
22	BEEP	Output port  : Beep audio signals while receiving. : CW side tone signals while transmitting.							
23	AHST	Outputs start signal for the optional AH-3							
24	AFMS	Outputs squelch mute control signal, applied to the AF selector switch (MAIN board; IC15). High: During squelch open.							
30	SMV	S-meter level input port for squelch control.							
31	NSQV	Noise level input port for squelch control in FM mode.							
32	FORV	Forward RF power level input port for SWR meter indications.							
33	REFV	Reflected RF power level input port for P0 and SWR meter indication.							
34	ALCV	ALC level input port for ALC meter indication.							
37	TONE	Outputs subaudible tone signals.							
39	BUSY	Input port for the optional UT-102 (Voice synthesizer unit) activation signal. High: During speech synthesis.							
40	ETON	Outputs 1750 Hz European tone signal.							

## **MAIN CPU PORT ALLOCATIONS (continued)**

Pin	Port	Description
number	name	-
41	SPST	Outputs a strobe signal for the optional UT-102 (Voice synthesizer unit).
42	IDT	Outputs serial data for the I/O expanders, optional AT-180/UT-102.
43	ICK	Outputs a clock signal for the I/O expanders, optional AT-180/ UT-102.
44	IBST	Outputs a strobe signal for the I/O expander ICs (IC31, IC32).
45	` IMST	Outputs a strobe signal for the I/O expander IC (IC30).
46	IAST	Outputs a strobe signal for the D/A converter IC (IC35).
48	PBST	Outputs a strobe signal for the BFO DDS IC (PLL unit; IC12).
49–51	CON2- CON0	Output mode control signals for the 1st LO DDS IC (PLL unit; IC10).
52	PDST	Outputs a strobe signal for the 1st LO DDS IC (PLL unit; IC10).
53	PCE	Outputs a strobe signal for the 1st LO PLL IC (PLL unit; IC13).
54	PDT	Outputs serial data for the DDS ICs (PLL unit; IC10, IC12) and PLL IC (PLL unit; IC13).
55	PCK	Outputs a clock signal for the DDS ICs (PLL unit; IC10, IC12) and PLL IC (PLL unit; IC13).
65	MCK	Input port for microphone ON/OFF switch.
66	MUD	Input port for microphone up/down switches.
74	SNDS	Input port for transmit/receive switching signals for the [ACC] connector.  Low: While transmitting.
75	KDS	Outputs a CW keying signal or RTTY TX signal.
78	CTXD	Output port for CI-V bus line.
79	CRXD	Input port for CI-V bus line.

## 3-4-3 SUB CPU PORT ALLOCATIONS (DISPLAY board IC1)

(DISPLAY board IC1)								
Pin number	Port name	Description						
1	SFTV	Input port for the [SHIFT] control.						
18	PTTS	Outputs a PTT signal. Low: While transmitting.						
19	AMBS	Outputs ON/OFF control signal for the display backlight. High: While display backlight is turned ON.						
20	DIMS	Outputs a brightness control signal for the display backlight. High:While display backlight is dark.						
80	PHNL	Input port for the [PHONES] jack connection detection. High: When the headphone or external speaker is connected to the [PHONES] jack.						
81	RITK	Input port for the [RIT] switch.						
96	PTTV	Input port for the [PTT] switch on the microphone.						
97	MUDV	Input port for the microphone up/down signal.						
98	AFGV	Input port for the [AF] control.						
99	SQLV	Input port for the [RF/SQL] control.						
100	RIT	Input port for the [RIT] control.						

## 3-4-4 I/O EXPANDER PORT ALLOCATIONS MAIN board IC30

Pin number	Port name	Description							
4	MODS	Outputs select signal for the Tx AF selector switch (IC23). Hign: When AM and SSB modes are selected.							
5	AMS		Outputs AM mode select signal. High: When AM mode is selected.						
6	FMS	Outputs FM and FM-N modes select signal. High: When FM and FM-N modes are selected.							
7	WFMS		ր։ Wh			lect signal. de is			
			ut sele tor sw	-		r the Rx AF			
11 10	AFS1,	PORT			MODE				
11, 12	AFS2	PONT	WFM	FM	AM	SSB/CW/RTTY			
		AFS1	High	High	Low	Low			
		AFS2	High	High	Low	Low			

## MAIN board IC30 (continued)

Pin number	Port name	Description
13	UNFM	Outputs non-FM mode select signal. High: When SSB/CW/RTTY/AM modes are selected.
14	MINH	Outputs an audio mute signal for the Tx AF selector switch (IC23). High: While transmitting in CW/RTTY modes.

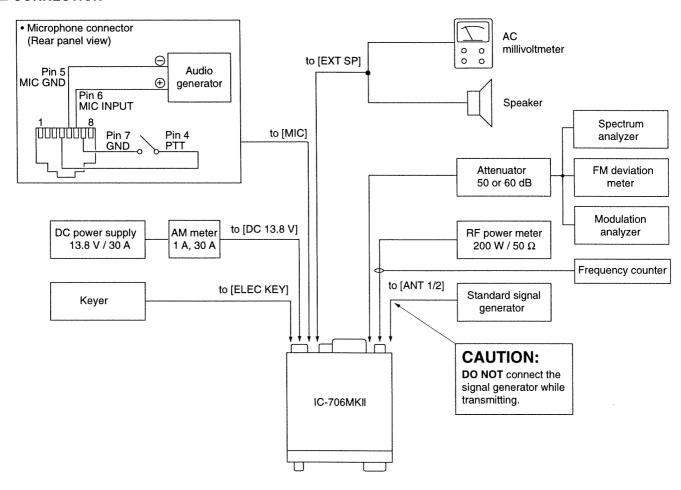
## **SECTION 4 ADJUSTMENT PROCEDURES**

## **4-1 PREPARATION BEFORE SERVICING**

## **■ REQUIRED TEST EQUIPMENT**

EQUIPMENT	GRADE A	ND RANGE	EQUIPMENT	GRADE AND RANGE
DC power supply	Output voltage	: 13.8 V DC	AC millivoltmeter	Measuring range : 10 mV-10 V
	Current capacity	: 30 A or more	DC voltmeter	Input impeadance : 50 kΩ/DC or better
RF power meter	Measuring range	: 10–200 W : 1.8–200 MHz	AM meter	Measurement capabillity: 1 A and 30 A
(terminated type)	rminated type)   Frequency range : 1.8-   Impedance : 50 Ω   SWR : Less		Audio generator	Frequency range : 300–3000 Hz Output level : 1–500 mV
Frequency counter	Frequency range Frequency accuracy	: 0.1–200 MHz	Attenuator	Power attenuation : 50 or 60 dB Capacity : 150 W or more
	Sensitivity : 100 mV or better	Spectrum analyzer	Frequency range : At least 400 MHz Spectrum bandwidth: ±100MHz or more	
RF voltmeter	1	: 0.1–200 MHz	F-1.4 -1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	Measuring range	: 0.01–10 V	FM deviation meter	Frequency range : At least 200 MHz Measuring range : 0 to ±10 kHz
Digital multimeter	Input impeadance	: 10 M $\Omega$ /DC or better	B.4. 1 L.1	
Standard ignal generator (SSG)	Frequency range Output level	: 0.1–200 MHz : 0.1 µV–32 mV	Modulation analyzer	Frequency range : At least 150 MHz Measuring range : 0–100 %
generator (334)	Output level	(-127 to -17 dBm)	External speaker	Impeadance : 8 Ω
Distortion meter	Frequency range	: 1 kHz ±10 %		Max. Input power : 5 W
	Measuring range	: 1–100 %		
Oscilloscope	Frequency range	: DC-20 MHz		
	Measuring range	: 0.01–10 V		

### **■** CONNECTION



## **4-2 PLL ADJUSTMENT**

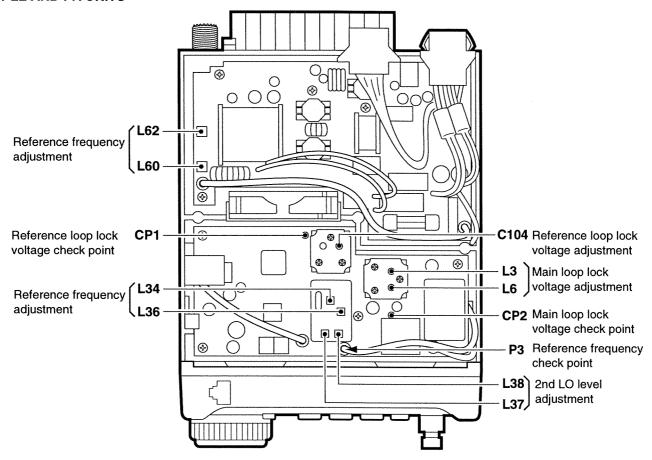
AD HISTMEN	JT	AD ILICTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMENT		ADJUSTMENT CONDITIONS		LOCATION	VALUE	UNIT	ADJUST
REFERENCE FREQUENCY	1	Displayed freq. : Any     L36 (PLL unit) : Center     Receiveing	PLL	Connect an RF voltmeter to check point P3.	Maximum level (0 dBm or more)	PLL	L37, L38
	2		-	Connect a frequency counter to check point P3.	60.000000 MHz		L34, L36
REFERENCE LOOP LOCK VOLTAGE	1	Displayed freq. : 0.03000 MHz     Mode : USB     Receiving	PLL	Connect a digital multimeter or oscilloscope to check point CP1.	2.0 V	PLL	C104
MAIN LOOP LOCK VOLTAGE	1	Displayed freq.: 30.00000 MHz     Mode: USB     Receiving	PLL	Connect a digital multimeter or oscilloscope to check	1.1 V	PLL	L3
	2	Displayed freq. : 60.00000 MHz     Receiving		point CP2.	1.1 V		L6

## **4-3 RECEIVER ADJUSTMENT**

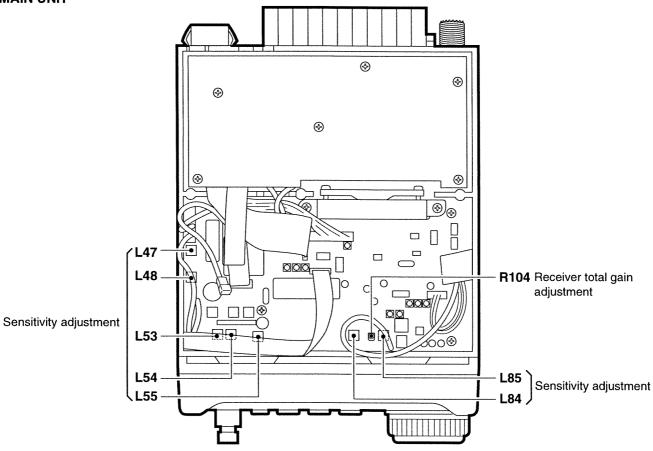
45 111071171		AD ILICTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMEN	N I	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
SENSITIVITY	1	Displayed freq.: 14.10000 MHz     Mode: USB     [RIT]: OFF     [M4 AGC]: Fast (F AGC)     [M3 NB]: OFF     [P.AMP/ATT]: Preamp ON     [VOX GAIN]: Center     [ANTI VOX]: Max counterclockwise     [COMP GAIN]: Center     [BEEP/SIDE T]: Center     Connect a standard signal generator	Rear panel	Connect an AC millivoltmeter to [EXT SP] jack with an 8 Ω dummy load.	Maximum AF output level	MAIN	Adjust repeatedly L47, L48, L55, L84, L85
	2	to [ANT 1] and set as: Frequency : 14.10150 MHz Level : 0.5 μV* (–113 dBm)			0.5 dB decrease from step 1.		L53
	3	Modulation : OFF • Receiving			0.5 dB decrease from step 2.		L54
	4	Displayed freq.: 146.00000 MHz     Connect a standard signal generator to [ANT 2] and set as:     Frequency: 146.001500 MHz     Receiving			Maximum AF output level	PA	L60, L62
RECEIVER TOTAL GAIN	1	Displayed freq.: 14.1000 MHz     Mode: USB     [P.AMP/ATT]: Preamp OFF     Connect a standard signal generator to [ANT 1] and set as:     Frequency: 14.1015 MHz     Level: 0.5 mV* (-53 dBm) and OFF     Modulation: OFF     Receiving	Rear panel	Connect an AC millivoltmeter to [EXT SP] jack with an 8 Ω dummy load.	30 dB of AF level difference	MAIN	R401

<sup>\*</sup>This output level of a srandard signal generator (SSG) is indicated as SSG's open circuit.

### • PLL AND PA UNITS



### • MAIN UNIT



## RECEIVER ADJUSTMENT (CONTINUED)

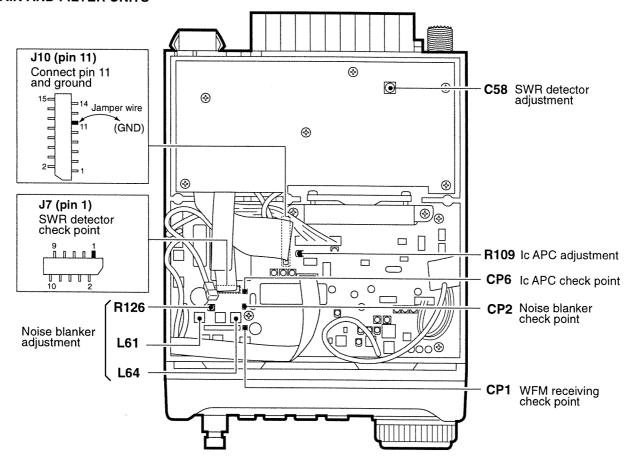
ADJUSTMEN	ıτ	ADJUSTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTIME	V I			LOCATION	VALUE	UNIT	ADJUST
WFM RECEIVING	1	Displayed freq.: 80.00000 MHz     Mode: WFM     Connect a standard signal generator to [ANT 2] and set as:     Frequency: 80.00000 MHz     Level: 0.5 mV* (-53 dBm)     Receiving	MAIN	Connect a digital multimeter or oscilloscope to check point CP1.	4.0 V	MAIN	L63
NOISE BLANKER	1	• Displayed freq. : 14.10000 MHz • Mode : USB • [M3 NB] : OFF • [P.AMP/ATT] : Preamp • R126 (MAIN unit): Center • Connect a standard signal generator to [ANT 1] and set as: Frequency : 14.1015 MHz Level : 1.8 µV* (-82 dBm) and apply noise signal at right to [ANT 1] connector. • Receiving	MAIN	Connect an oscilloscope to check point CP2.	Maximum voltage	MAIN	L61, L64
	2	• [M3 NB] : ON • Receiving			Noise just reduces		R126

<sup>\*</sup>This output level of a srandard signal generator (SSG) is indicated as SSG's open circuit.

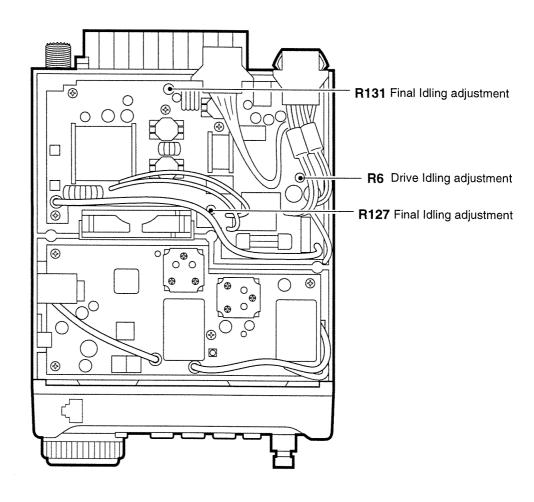
## **4-4 TRANSMITTER ADJUSTMENT**

40 1110711		AD HISTMENT CONDITIONS		MEASUREMENT	\/A1.41E	ADJUSTMENT	
ADJUSTME	NI	ADJUSTMENT CONDITIONS	UNIT	LOCATION	VALUE	UNIT	ADJUST
IDLING CURRENT (for drive amplifiers)	1	Mode : USB     [Q2 MIC GAIN] : 1 (minimum)     R6 (PA unit) : Max. counterclockwise     R131 (PA unit) : Max. counterclockwise     R127 (PA unit) : Max. counterclockwise     Transmitting  ammeter DC power transceive power soc	PA	Connect a DC ammeter between the DC power supply and transceiver's DC	1.2 A increase from that R6 is in max. counterclockwise	PA	R6
(for final amplifiers)	2		power socket.	0.5 A increase from step 1		R131	
	3	Displayed freq. : 145.10000 MHz     Transmitting			1.0 A increase from that R127 is in max. counterclockwise	UNIT PA  Quick set mode	R127
SWR DETECTOR	1	Displayed freq.: 14.1000 MHz     Mode: USB     Ground pin 11 of J10 (MAIN unit).	Rear panel	Connect an RF power meter to [ANT 1] connector.	100 W		Q2 MIC GAIN
	2	Connect an audio generator to [MIC] connector and set as:     10 mV / 1.5 kHz     Transmitting	MAIN	Connect a digital multimeter to pin 1 of J7.	Minimum voltage	e PA is rise e e e 27 rise Quick set mode FILTER	C58
	Aft	er adjustment, remove the jumper wire fr	om J10.				
Ic APC	1	Displayed frequency: 3.50000 MHz     Mode : RTTY     [Q1 RF POWER]: H     R95 (MAIN unit) : 3 o'clock position     R109 (MAIN unit): 3 o'clock position     R198 (MAIN unit): Max. clockwise     Ground CP6 with a jumper wire.     Transmitting	Rear panel	Connect a DC ammeter between the DC power supply and transceiver's DC power socket.	22 A	MAIN	R109
	Aft	er adjustment, remove the jumper wire fr	om CP6				

### • MAIN AND FILTER UNITS



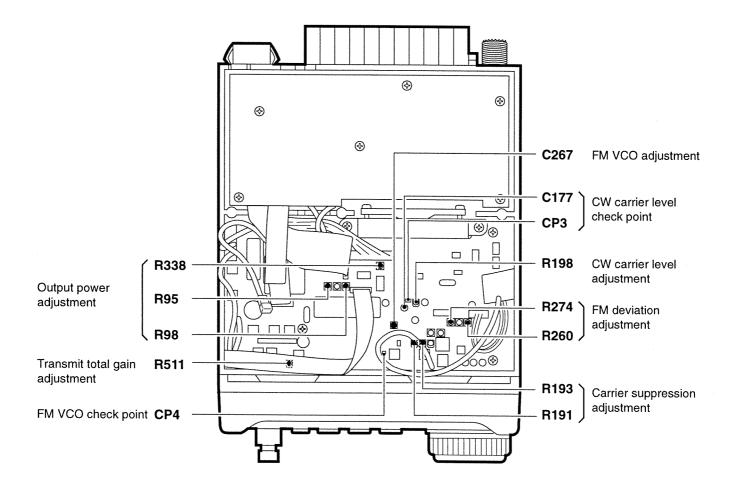
### • PA UNIT



## TRANSMITTER ADJUSTMENT (CONTINUED)

		ADJUSTMENT CONDITIONS		MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMEN	NT			LOCATION	VALUE	UNIT	ADJUST
TRANSMIT TOTAL GAIN	1	Displayed freq.: 14.10000 MHz  Mode: USB  [Q1 RF POWER]: H  [Q2 MIC GAIN]: 5  Connect an audio generator to [MIC] connector and set as:  10 mV / 1.5 kHz  Transmitting	Rear panel	Connect an RF power meter to [ANT 1] connector.	50 W	MAIN	R511
CARRIER SUPPRESSION	1	Displayed freq. : 14.10000 MHz     Mode : USB and LSB     Apply no AF signal to [MIC] connector.     Transmitting	Rear panel	Connect a spectrum analyzer to [ANT 1] via an attenuator.	Minimum carrrier level	MAIN	Adjust repeatedly R191, R193
OUTPUT POWER	1	Displayed freq. : 14.10000 MHz     Mode : USB     [Q2 MIC GAIN] : 5     Connect an audio generator to [MIC] connector and set as:     100 mV / 1.5 kHz     Transmitting	Rear panel	Connect an RF power meter to [ANT 1] connector.	100 W	MAIN	R95
	2	Displayed freq. : 52.00000 MHz     Transmitting			100 W		R98
	3	Displayed freq. : 145.00000 MHz     Transmitting		Connect an RF power meter to [ANT 2] connector.	20 W ∘		R338
CW CARRIER LEVEL	<del></del>	Displayed freq.: 14.10000 MHz  Mode: CW  [Q1 RF POWER]: H  [Q5 KEY SPEED]: 60  [M4 BRK]: BK (semi break-in)  CW paddle: n  Transmit dots for a while using a paddle.	MAIN	Connect an osilloscope to check point CP3 and C177.	Adjust as follows: Keying (C177) CP3 10 msec.	MAIN	R198
FM VCO	1	Displayed freq.: 29.10000 MHz  Mode: FM  In the image of	MAIN	Connect a digital multimeter to check point CP4.	1.8 V	MAIN	C267
FM DEVIATION	1	Displayed freq.: 29.10000 MHz  Mode: FM  [M4 TON]: OFF  [Q1 RF POWER]: H  [Q2 MIC GAIN]: 5  R260 (MAIN unit): Center  Connect an audio generator to [MIC] connector and set as: 300 mV / 1 kHz  Transmitting	Rear panel	Connect an FM deviation meter to [ANT 1] via an attenuator.	±4.5 kHz	MAIN	R274
	2	Set the audio generator as:     10 mV / 1 kHz     Transmitting			±3.5 kHz		R260

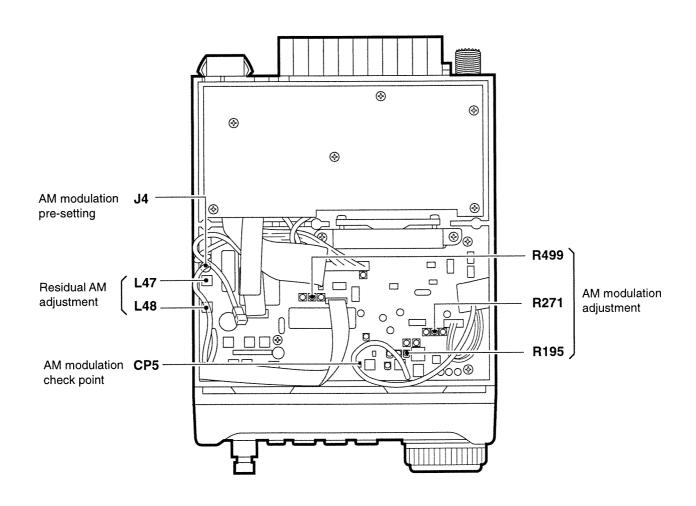
## • MAIN UNIT



## TRANSMITTER ADJUSTMENT (CONTINUED)

		A D ULIOTHENIT CONDITIONS	1	MEASUREMENT	VALUE	ADJUSTMENT	
ADJUSTMENT		ADJUSTMENT CONDITIONS		LOCATION	VALUE	UNIT	ADJUST
RESIDUAL AM	1	Displayed freq. : 29.10000 MHz     Mode : FM     [M4 TON] : OFF     [Q1 RF POWER]: H     [Q2 MIC GAIN] : 5     Connect an audio generator to [MIC] connector and set as:     100 mV /1 kHz and OFF     Transmitting		Connect an RF power meter to [ANT 1] connector.	Minimum power difference with modulationand unmodulation.	MAIN	L47, L48
AM MODULATION	1	Displayed freq.: 14.10000 MHz  Mode: AM  [Q1 RF POWER]: H  [Q2 MIC GAIN]: 5  Disconnect the plug from J4 (MAIN unit).  Transmitting	MAIN	Connect an osilloscope to check point CP5.	100 mVp-p	MAIN	R195
	2	<ul> <li>Connect the plug to J4 (MAIN unit).</li> <li>Apply no signal to [MIC] connector.</li> <li>Transmitting</li> </ul>	Rear panel	Connect an RF power meter to [ANT 1] connector.	35 W		R499
	3	Connect an audio generator to [MIC] connector and set as:     100 mV /1 kHz     Transmitting		Connect a modulation analyzer to [ANT 1] via an attenuator.	90 % modulation		R271

## • MAIN UNIT



## 4-5 METER ADJUSTMENT (METER SET MODE)

ADJUSTMEN	IT.	ADJUSTMENT CONDITIONS	DISPLAY	OPERATION
METER SET MODE	1	Enter Meter set mode :     Turn power OFF     Terminate the [REMOTE] jack with a 3.5(d) mm mini-plug.	SEL UP	Push [F-2 (RX)], [F-3 (TX)] to enter the RX, TX meter setting mode respectively.
		While pushing [P.AMP/ATT] and [TUNE/CALL], turn power ON.	E <sub>XIT</sub> RX TX	Then advance to the following setting, or push [UP]/[DN] to scroll the display.
S-METER	1	Connect a standard signal generator to [ANT 1] and set as:     Frequency : 14.15150     Level : OFF	<b>M.M</b> 50 LEVEL	Push [MENU] to set the "S0" level.
	2	• Set the standard signal generator as: Level : 50 µV* (-73 dBm) Modulation : OFF	<b>₩.₩</b> 59 LEVEL	Push [MENU] to set the "S9" level.
	3	Set the standard signal as:     Level : 50 mV* (–13 dBm)	<b>⊯.</b> ₩ +60dB LEVEL	Push [MENU] to set the "+60 dB" level.  • The display returns to the same as the METER SET MODE above.
	4	Push [F-1 (EXIT)] to exit meter set mode,	or push [F-3 (TX)] to enter the	ΓX meter setting mode.
FILTER CALIBRATION	1	Connect an RF power meter to [ANT 1].	GO FILTER CAL	Push and hold [MENU (GO)] to make the calibration.  • Transceiver transmits for a while.
POWER METER (14 MHz)	2	Transmit using an external PTT switch.	<b>₩.₩</b> SET 90 %	Set to 90 W using main dial, then push [MENU] while transmitting.
(14 1/11 12)	3	Transmit using an external PTT switch.	<b>⊯.⊯</b> SET 50 %	Set to 50 W using main dial, then push [MENU] while transmitting.
TUNING POWER (14 MHz)	4	Transmit using an external PTT switch.	ILI SET TUNE Po	Set to 10 W using main dial, then push [MENU] while transmitting.
(50 MHz)	5	Transmit using an external PTT switch.	III.II SET TUNE Po	Set to 10 W using main dial, then push [MENU] while transmitting.
POWER METER (145 MHz)	6	Connect the RF power meter to [ANT 2].     Transmit using an external PTT switch.	<b>∭.∭</b> SET 90 %	Set to 18 W using main dial, then push [MENU] while transmitting.
	7	Transmit using an external PTT switch.	<b>₩.₩</b> SET 50 %	Set to 10 W using main dial, then push [MENU] while transmitting.
ALC METER	8	Connect the RF power meter to [ANT 1].	HLW ALC START	Push and hold [MENU] to set ALC reference level while transmitting.
	9	Connect an audio generator to [MIC] connector and set as:     Level : 100 mV / 1.5 kHz     Transmit using an external PTT switch.	<b>₩.₩</b> +20dB LEVEL	Push [MENU] to set ALC zone level.
SWR METER	10	• Connect a 50 $\Omega$ dummy load or power meter to [ANT 1].	₩.₩ SWR 1 LOAD	Push [MENU] to set SWR reference level.  • Transceiver transmits for a while.
	11	• Connect a 100 $\Omega$ or 25 $\Omega$ dummy load to [ANT 1].	₩.₩ SWR 2 LOAD	Push [MENU] to set SWR 2 level.  Transceiver transmits for a while.  The display returns to the same as the METER SET MODE above.
	12	Push [F-1(EXIT)] to exit meter set mode.		

## **SECTION 5** PARTS LIST

## [DISPLAY BOARD]

REF	ORDER		CRIPTION
NO.	NO.		
IC1 IC2 IC3 IC4 IC5 IC6 IC7	1140006690 1130007960 1130002660 1110001550 1180001080 1140003630 1130005820	S.IC S.IC S.IC S.IC S.IC S.IC S.IC	HD6433833A84H SX-1897S SED1522F0C (QFP15-100PIN) μPD4030BG-T1 S-8054ALB-LM-T1 S-81250PG-PD-T1 X24C01S-2.7T6 TC4S584F(TE85R)
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12	1590000680 1520000200 1590002310 1540000440 1530002690 1540000250 1530003090 1590002310 1590001870 1530002060 1520000380 1590002310	S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR TRANSISTOR TRANSISTOR	DTC114EU T107 2SB798-T2 DK DTC114EE TL 2SD1619-T-TD 2SC4116-GR (TE85R) 2SD999-T2 CK 2SC4213-B (TE85R) DTC114EE TL DTA114EE TL 2SC4081 T107 R 2SB1143 S DTC114EE TL
D1 D2 D3 D5 D6 D7 D8 D9	1750000370 1750000370 1750000370 1750000370 1160000140 1160000140 1160000140 1160000140	S.DIODE S.DIODE S.DIODE S.DIODE S.DIODE S.DIODE S.DIODE S.DIODE S.DIODE	DA221 TL DA221 TL DA221 TL DAP222 TL DAP222 TL DAP222 TL DAP222 TL DAP222 TL DAP222 TL
X1	6050009660	S.XTAL	MA-406 (9.8304 MHz)
L1 L2 L3 L4 L5 L6	6200003260 6200003590 6200003590 6200003590 6200003590 6200003590	S.COIL S.COIL S.COIL S.COIL S.COIL	NL 322522T-101J EXCCL3225U1 EXCCL3225U1 EXCCL3225U1 EXCCL3225U1 EXCCL3225U1
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R20 R21 R22 R23 R24 R25 R26 R27 R29 R30 R31 R32 R33	7030003340 7030003400 7030003400 7030003440 7030003440 7030003540 7030003590 7030003590 7030003590 7030003590 7030003590 7030003590 7030003590 7030003590 7030003590 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 703000360 703000360 703000360 703000360 703000360 703000360	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω) ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 183 V (18 kΩ) ERJ3GEYJ 183 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 102 V (1 kΩ) MCR10EZHJ 68 Ω (680) ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)

## [DISPLAY BOARD]

REP   ONC.   NO.   POSCRIPTION   NO.		AY BUAKI		
R36	REF NO.	ORDER NO.		DESCRIPTION
R36	R34	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R38	1			
R38				
R30	1	î .	l	
R40	1		l	` ;
R41         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R44         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R45         7030003500         S.RESISTOR         ERJ3GEYJ 332 V (3.3 kΩ)           R46         7030003600         S.RESISTOR         ERJ3GEYJ 332 V (3.3 kΩ)           R47         7030003600         S.RESISTOR         RR0816P-222-D (2.2 kΩ)           R47         7030003600         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R50         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R51         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R52         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R53         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R55         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R56         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R57         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R58         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R69         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)	L :		l	
R42			1	` '
R46	1		S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R46	1			
R49	1			
R49	1			, ,
R50				, ,
R52	I .		ł	
R53	R51	7030003680	S.RESISTOR	
R55	1	t e	i e	
R55	1	ł	1	
R56	1	1	I	
R57		l .	1	
R58	ı	l	1	
R60         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R61         7030003760         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R63         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R64         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R65         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R66         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R67         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R68         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R69         7030003520         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R71         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R72         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R73         7030003600         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R74         7030003600         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R75         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R84         7030003400         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)     <			S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R61	1		l .	
R62   7030003760   S.RESISTOR   ERJ3GEYJ 474 V (470 kΩ)   S.RESISTOR   ERJ3GEYJ 224 V (220 kΩ)   R65   7030003560   S.RESISTOR   ERJ3GEYJ 224 V (220 kΩ)   R66   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 223 V (22 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ				• •
R63	1	I .		
R64   7030003720   S.RESISTOR   ERJ3GEYJ 224 V (220 kΩ)   R65   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)   R67   7030003560   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)   R68   7030003520   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)   R69   7030003520   S.RESISTOR   ERJ3GEYJ 103 V (10 kΩ)   R69   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R71   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R72   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R73   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R74   7030003520   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R74   7030003680   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R75   7030003600   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R76   7030003600   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   S.RESISTOR   ERJ3GEYJ 225 V (2.2 kΩ)   R84   7030003600   S.RESISTOR   ERJ3GEYJ 225 V (2.2 kΩ)   R84   7030003600   S.RESISTOR   ERJ3GEYJ 223 V (22 kΩ)   R86   7030003600   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R89   7030003600   S.RESISTOR   ERJ3GEYJ 472 V (4.7 kΩ)   R89   7030003600   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   R86   7030003600   S.RESISTOR   ERJ3GEYJ 102 V (1 kΩ)   ERJ3GEYJ 472 V (4.7 kΩ)   R89   7030003400   S.RESISTOR   ERJ3GEYJ 102 V (1 kΩ)   R89   7030003400   S.RESISTOR   ERJ3GEYJ 100 V (10 Ω)   R86   7030003600   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   R810   7030003600   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)   ERSISTOR   ERJ3GEYJ 104 V (100 kΩ)   R810   7030003600   S.RESISTOR   ERJ3GEYJ 104 V (100	1	E .		
R65	1	i	1	
R67	1	l .	1	ERJ3GEYJ 103 V (10 kΩ)
R68	R66	7030003560	1	, ,
R69	I .		1 .	
R70	I .		1	
R71	I .		1	` '
R73         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R74         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R75         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R76         7030003840         S.RESISTOR         ERJ3GEYJ 1225 V (22 kΩ)           R83         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R84         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R86         701003830         RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R89         703000320         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R90         703000240         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R91         7030003400         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003400         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R99         7030003400         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω) <tr< td=""><td></td><td></td><td>1</td><td>• ,</td></tr<>			1	• ,
R74	1	1	S.RESISTOR	
R75         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R83         7030003600         S.RESISTOR         ERJ3GEYJ 225 V (2.2 kΩ)           R84         703003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R86         7010003830         RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R89         7030003520         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R90         7030003240         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R91         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003200         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003340         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R99         7030003340         S.RESISTOR         ERJ3GEYJ 105 V (1 kΩ)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)	1	i		
R76         7030003840         S.RESISTOR         ERJ3GEYJ 225 V (2.2 MΩ)           R83         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R84         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003600         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R86         701003830         RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R89         7030003200         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R90         703000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         703000340         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003340         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)	1	1	l .	
R83         703003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R84         703003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R86         7010003830         RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R89         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R90         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R92         7030003440         S.RESISTOR         ERJ3GEYJ 100 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R99         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R101         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R102         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)	1	I .		
R84         7030003600         S.RESISTOR         ERJ3GEYJ 223 V (22 kΩ)           R85         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R86         7010003830         RESISTOR         R20J 1 Ω           R89         703000320         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R90         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003440         S.RESISTOR         ERJ3GEYJ 100 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R98         7030003480         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R100         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R10		i	ł	
R86         7010003830         RESISTOR         R20J 1 Ω           R89         7030003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R90         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030003440         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R92         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003200         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         7030003480         S.RESISTOR         ERJ3GEYJ 391 V (100 Ω)           R99         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R			1	
R89         703003520         S.RESISTOR         ERJ3GEYJ 472 V (4.7 kΩ)           R90         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R92         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         703000340         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ) <tr< td=""><td>R85</td><td>7030003680</td><td></td><td>` '</td></tr<>	R85	7030003680		` '
R90         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R91         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R92         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003200         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003390         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		1		
R91         7030000240         S.RESISTOR         MCR10EZHJ 68 Ω (680)           R92         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         703000340         S.RESISTOR         ERJ3GEYJ 391 V (10 Ω)           R100         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R101         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R102         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		1		
R92         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R93         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R100         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		1		
R94         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         703000340         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         703000340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         703000360         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         703000360         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.CERAMIC         C1608 JB 1H 472K-T-A	1		1	• • • • • • • • • • • • • • • • • • • •
R95         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         703000340         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         7030003800         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         703000360         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.CERAMIC         C1608 JB 1H 472K-T-A           C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A	R93	7030003440		
R96         7030003200         S.RESISTOR         ERJ3GEYJ 100 V (10 Ω)           R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         7030003800         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R104         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.CERAMIC         C1608 JB 1H 472K-T-A           C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C5         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A				
R97         7030003390         S.RESISTOR         ERJ3GEYJ 391 V (390 Ω)           R98         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R103         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           C1         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C3         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A <td>1</td> <td>1</td> <td>l .</td> <td></td>	1	1	l .	
R98         7030003480         S.RESISTOR         ERJ3GEYJ 222 V (2.2 kΩ)           R99         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R104         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           C1         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C5         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A	1	1	E .	
R99         7030003340         S.RESISTOR         ERJ3GEYJ 151 V (150 Ω)           R100         7030003800         S.RESISTOR         ERJ3GEYJ 105 V (1 MΩ)           R101         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R102         7030003720         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R103         7030003800         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R105         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R106         7030003720         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 224 V (220 kΩ)           R107         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           C1         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C5         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A	1	I .	1	
R101	1	i .		ERJ3GEYJ 151 V (150 Ω)
R102	R100		1	• • •
R103	1	l.	I .	. 1 . 1
R104   7030003800   S.RESISTOR   ERJ3GEYJ 105 V (1 MΩ)     R105   7030003680   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)     R106   7030003720   S.RESISTOR   ERJ3GEYJ 104 V (220 kΩ)     R107   7030003680   S.RESISTOR   ERJ3GEYJ 224 V (220 kΩ)     R107   7030003680   S.RESISTOR   ERJ3GEYJ 104 V (100 kΩ)     C1	1	1	1	•
R105	1			
R106	l .			
C1 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C2 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C4 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C5 4030009110 S.CERAMIC C3216 JB 1C 474K-T-A C7 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C8 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C9 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C9 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C10 403007020 S.CERAMIC C1608 CH 1H 120J-T-A C11 403007020 S.CERAMIC C1608 CH 1H 120J-T-A		7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
C2         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C4         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C5         4030009110         S.CERAMIC         C3216 JB 1C 474K-T-A           C7         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C10         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A           C11         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A	R107	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
C4         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C5         4030009110         S.CERAMIC         C3216 JB 1C 474K-T-A           C7         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C10         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A           C11         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A			1	
C5         4030009110         S.CERAMIC         C3216 JB 1C 474K-T-A           C7         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C10         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A           C11         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A	1		1	
C7	1		i .	
C8         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C10         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A           C11         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A		1	1	
C9         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C10         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A           C11         4030007020         S.CERAMIC         C1608 CH 1H 120J-T-A		t	I .	
C11 4030007020 S.CERAMIC C1608 CH 1H 120J-T-A	C9	I .	1	
	1	1	1	
1012 40300 TOUG JS.CENAIVIIC CTOUG JB TO TOUR TH	1	1	1	
	L 12	4030011600	S.CERAIVIIC	C 1000 3D 10 104K1*N

## [DISPLAY BOARD]

Г			[DISPLAT BOARD]			
L	REF NO.	ORDER NO.	DESC	CRIPTION		
Г	C13	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
ŀ	C14	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
ŀ	C15	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
1	C16	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
ŀ	C17	4030009660	S.CERAMIC	C1608 JF 1C 224Z-T-A		
H	C18	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A		
	C19	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
	C20	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A		
	C21	4510004630	S.ELECTROLYTIC			
	C22	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
	C23	4030011600	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N		
	C24 C25	4510004630 4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
	C25 C26	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
- 1	C27	40300011000	S.CERAMIC	C2012 JF 1C 225Z-T-A		
	C28	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A		
	C29	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N		
- 1	C30	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A		
- 1	C31	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A		
	C32	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A		
١	C33	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A		
1	C34	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A		
1	C35	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
1	C36	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A		
١						
١	DS1	5040002020	S.LED	CL-170UR-CD-T		
1	DS2	5040002010	S.LED	CL-170PG-CD-T		
١	DS3	5040002020	S.LED	CL-170UR-CD-T		
١	DS4	5010000210	LCD	DLC-7986YBGF		
١	DS5	5030001290	LED	D2264		
1						
1	S1	2260002250	S.SWITCH	LS22BB-2SD-PG-T		
١	S2	2260002240	S.SWITCH	LS21BB-2SD-T		
١	S3	2260001890	S.SWITCH	SKQDPA		
1	S4	2260001890	S.SWITCH	SKQDPA		
١	S5	2260001890	S.SWITCH	SKQDPA		
١	S6	2260001890	S.SWITCH	SKQDPA		
١	S7	2260001890	S.SWITCH	SKQDPA		
١	S8	2260001890	S.SWITCH	SKQDPA		
١	S9	2260001890	S.SWITCH	SKQDPA		
١	S10	2260001890	S.SWITCH	SKQDPA		
- [	S11	2260001680	S.SWITCH	SKQDPB		
1	S12	2260001680	S.SWITCH	SKQDPB		
١	S13	2260002250	S.SWITCH	LS22BB-2SD-PG-T		
	S14	2260001680	S.SWITCH	SKQDPB		
1				•		
١	J1	6510019120	S.CONNECTOR	S8B-PH-SM3-TB		
	J2	6450001630	CONNECTOR	HSJ1406-01-050		
	J3	6510018890	S.CONNECTOR	52559-1390		
	W1	7030003860	S.JUMPER	ERJ3GE JPW V		
	ED4	0010040470	РСВ	B 4914C		
	EP1 EP2	0910048473 8930039790	LCD CONTACT	SRCN-1691-ZSS-505		
	- E	0000033730	LOD CONTACT	CI.OR 1001 200-000		

## [VR BOARD]

REF NO.	ORDER NO.	DES	CRIPTION
R1 R2	7210002780 7210002940	VARIABLE VARIABLE	RV-300 TP96D231E20-20F-10KB-1897
S1	2220000540	switch	SW-162 (SSSS22-2-11)
J1	6510018890	S.CONNECTOR	52559-1390
EP1	0910048622	PCB	B 4915B

## [MAIN BOARD]

C6	MAIN	BOARD]		
C6			DES	CRIPTION
110003780   S.I.C	IC1			•
1110003740   IC				,
C100				· 1
C12	IC9			E
C12	IC10	1	S.IC	
Incide	IC11			` ′
IC16				
C17		ł :		
C22		1		
1023	1	1		
C25				·
IC25				` '
1130005720	1			
1130000830			S.IC	S-8054ALB-LM-T1
IC31		I .	I .	` '
IC32				·
13003760	ı	1	1	•
C35	1	1	ŧ	•
IGG6			1	
C38		1		
C38		1	1	
C30			1	
C41	1			, ,
C1	1			
Q2         1590002310         S.TRANSISTOR         DTC114EE TL           Q4         1530003150         S.TRANSISTOR         DTC114EE TL           Q4         1530002060         S.TRANSISTOR         2SC4673D-TD           Q5         1530002060         S.TRANSISTOR         2SC4673D-TD           Q6         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q9         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1560000560         S.TRANSISTOR         2SC4081 T107 R           Q12         1560000560         S.TRANSISTOR         2SC4081 T107 R           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001870         S.TRANSISTOR         2SC4081 T107 R           Q15         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q27         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q28         150000260         S.TRANSISTOR         2SC4081 T107 R <td>IC41</td> <td>1110003970</td> <td>S.IC</td> <td>μPC1658G-E1</td>	IC41	1110003970	S.IC	μPC1658G-E1
Q2         1590002310         S.TRANSISTOR         DTC114EE TL           Q4         1530003150         S.TRANSISTOR         DTC114EE TL           Q4         1530002060         S.TRANSISTOR         2SC4673D-TD           Q5         1530002060         S.TRANSISTOR         2SC4673D-TD           Q6         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q9         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1560000560         S.TRANSISTOR         2SC4081 T107 R           Q12         1560000560         S.TRANSISTOR         2SC4081 T107 R           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001870         S.TRANSISTOR         2SC4081 T107 R           Q15         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q27         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q28         150000260         S.TRANSISTOR         2SC4081 T107 R <td>Q<sub>1</sub></td> <td>1590001940</td> <td>S.TRANSISTOR</td> <td>DTC144EE TL</td>	Q <sub>1</sub>	1590001940	S.TRANSISTOR	DTC144EE TL
Q4         1530002050         S.TRANSISTOR         2SC4673D-TD           Q6         1590002310         S.TRANSISTOR         2SC4081 T107 R           Q7         1590001940         S.TRANSISTOR         DTC114EE TL           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q9         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001870         S.TRANSISTOR         2SC4081 T107 R           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q22         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC413-B (TE85R)           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R	Q2	1590002310	S.TRANSISTOR	DTC114EE TL
Q5         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q6         1590002310         S.TRANSISTOR         DTC114EE TL           Q7         1590001940         S.TRANSISTOR         DTC114EE TL           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001940         S.TRANSISTOR         DTC144EE TL           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001940         S.TRANSISTOR         2SC4081 T107 R <td></td> <td>1</td> <td>1</td> <td></td>		1	1	
Q6         1590002310         S.TRANSISTOR         DTC114EE TL           Q7         1590001940         S.TRANSISTOR         DTC144EE TL           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q9         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.TRANSISTOR         2SK882-GR (TE85L)           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q15         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q24         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q25         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q31         159001940         S.TRANSISTOR         2SC4081 T107 R           Q32         1590001940         S.TRANSISTOR         2SC4081 T1			1	
Q7         1590001940         S.TRANSISTOR         DTC144EE TL           Q8         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.FET         2SK882-GR (TE85L)           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001870         S.TRANSISTOR         DTC114EE TL           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         159001940         S.TRANSISTOR         2SC4081 T107 R           Q24         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q30         159001940         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001950         S.TRANSISTOR         2SC4081 T107 R	E .		l	
Q9         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q10         1560000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         DTC144EE TL           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q27         1530003090         S.TRANSISTOR         2SC4081 T107 R           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         151000510         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001870         S.TRANSISTOR         2SC4081 T107 R           Q32         1540000450         S.TRANSISTOR         2SC4081 T107 R           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107	1	ì	1	
Q10         156000560         S.FET         2SK882-GR (TE85L)           Q11         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q12         156000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001940         S.TRANSISTOR         DTC1144EE TL           Q16         1530002060         S.TRANSISTOR         DTC144EE TL           Q17         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4213-B (TE85R)           Q28         1530002060         S.TRANSISTOR         2SC4213-B (TE85R)           Q29         1510000510         S.TRANSISTOR         2SC4213-B (TE85R)           Q31         1590001940         S.TRANSISTOR         2SC4213-B (TE85R)           Q31         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q32         1530002060         S.TRANSISTOR         2SC1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         150000510         S.TRANSISTOR		i		
Q11         151000510         S.TRANSISTOR         2SA1576 T107 R           Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         1590001940         S.TRANSISTOR         DTA114EE TL           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q24         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q25         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         151000510         S.TRANSISTOR         2SC4081 T107 R           Q31         159001940         S.TRANSISTOR         2SD1623-T-TD           Q32         154000450         S.TRANSISTOR         2SC4081 T107 R           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1500001940         S.TRANSISTOR         2SC4081 T1		1	E	
Q12         1560000560         S.FET         2SK882-GR (TE85L)           Q13         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q14         159001940         S.TRANSISTOR         DTC144EE TL           Q15         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q27         1530003090         S.TRANSISTOR         2SC4081 T107 R           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SA1576 T107 R           Q31         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q32         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2S	1	1		, ,
Q14         1590001870         S.TRANSISTOR         DTA114EE TL           Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q27         1530002060         S.TRANSISTOR         2SC4213-B (TE85R)           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001940         S.TRANSISTOR         DTC144EE TL           Q31         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q32         1540000450         S.TRANSISTOR         2SC4081 T107 R           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580000620         S.TRANSISTOR	1 -	i		
Q15         1590001940         S.TRANSISTOR         DTC144EE TL           Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q27         1530003090         S.TRANSISTOR         2SC4213-B (TE85R)           Q28         1530002060         S.TRANSISTOR         2SC4213-B (TE85R)           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001970         S.TRANSISTOR         DTC144EE TL           Q31         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q32         1540000450         S.TRANSISTOR         2SC4081 T107 R           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2		1	1	
Q16         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q27         1530003090         S.TRANSISTOR         DTC144EE TL           Q28         1530002060         S.TRANSISTOR         2SC4213-B (TE85R)           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SA1576 T107 R           Q31         1590001870         S.TRANSISTOR         DTC144EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q44         1590002310         S.TRANSISTOR         DTC			I	
Q21         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q23         1590001940         S.TRANSISTOR         DTC144EE TL           Q28         1530002060         S.TRANSISTOR         2SC4213-B (TE85R)           Q29         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q31         1590001870         S.TRANSISTOR         DTC144EE TL           Q33         1530002060         S.TRANSISTOR         2SD1623-T-TD           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK282-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580001940         S.TRANSISTOR         DTC		1	1	
Q27         1530003090         S.TRANSISTOR         2SC4213-B (TE85R)           Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q30         1590001940         S.TRANSISTOR         2SA1576 T107 R           Q31         1590001870         S.TRANSISTOR         DTC144EE TL           Q31         1590001940         S.TRANSISTOR         DTA114EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK882-GR (TE85L)           Q44         1590001940         S.TRANSISTOR         DTC144EE TL           Q45         1590002310         S.TRANSISTOR         DTC14EE TL			1	
Q28         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q29         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q30         1590001940         S.TRANSISTOR         DTC144EE TL           Q31         1590001870         S.TRANSISTOR         DTC144EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         158000260         S.TRANSISTOR         DTC144EE TL           Q44         1590002310         S.TRANSISTOR         DTC144EE TL           Q45         1590002310         S.TRANSISTOR         DTC114EE TL </td <td>1</td> <td>4 550004040</td> <td>l</td> <td>DT0: ( ) EE TI</td>	1	4 550004040	l	DT0: ( ) EE TI
Q29         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q30         1590001940         S.TRANSISTOR         DTC144EE TL           Q31         1590001870         S.TRANSISTOR         DTA114EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK2882-GR (TE85L)           Q42         158000620         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         DTC144EE TL           Q45         1590002310         S.TRANSISTOR         DTC144EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL </td <td></td> <td>1</td> <td>1</td> <td></td>		1	1	
Q30         1590001940         S.TRANSISTOR         DTC144EE TL           Q31         1590001870         S.TRANSISTOR         DTA114EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK882-GR (TE85L)           Q42         1580000620         S.TRANSISTOR         2SC4081 T107 R           Q44         1530002060         S.TRANSISTOR         DTC114EE TL           Q45         1590001940         S.TRANSISTOR         DTC114EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590001940         S.TRANSISTOR         DTC114EE TL	1	I .	1	
Q31         1590001870         S.TRANSISTOR         DTA114EE TL           Q32         1540000450         S.TRANSISTOR         2SD1623-T-TD           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK8210-GR (TE85R)           Q42         1580000620         S.FET         2SK882-GR (TE85L)           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         DTC114EE TL           Q45         1590001940         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590001940         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC144EE TL			ł .	
Q33         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SC4081 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580000620         S.FET         2SK210-GR (TE85R)           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         DTC144EE TL           Q45         1590001940         S.TRANSISTOR         DTC114EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC144EE TL           Q51         1590001540         S.TRANSISTOR         DTC144EE TL		1		
Q34         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q35         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK210-GR (TE85R)           Q43         1560000560         S.FET         3SK131-T2 MAS           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q45         1590001940         S.TRANSISTOR         DTC144EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001940         S.TRANSISTOR         DTC144EE TL           Q55         1590001540         S.TRANSISTOR         DTC144EE TL <td></td> <td></td> <td>ł .</td> <td></td>			ł .	
Q35         1510000510         S.TRANSISTOR         2SA1576 T107 R           Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         DTC144EE TL           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580000620         S.FET         3SK131-T2 MAS           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q44         1530002060         S.TRANSISTOR         DTC114EE TL           Q45         1590001940         S.TRANSISTOR         DTC114EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001940         S.TRANSISTOR         DTC114EE TL           Q52         1530002060         S.TRANSISTOR         DTC114EE TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL <tr< td=""><td>1</td><td>1</td><td>i</td><td></td></tr<>	1	1	i	
Q36         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q37         1590001940         S.TRANSISTOR         2SC4081 T107 R           Q39         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.FET         2SK204081 T107 R           Q42         1580000560         S.FET         2SK882-GR (TE85L)           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         DTC114EE TL           Q45         1590002310         S.TRANSISTOR         DTC114EE TL           Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         DTC114EE TL           Q49         1590001940         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q52         1530002060         S.TRANSISTOR         DTC114EE TL           Q52         1530002060         S.TRANSISTOR         UMD6 TL           Q63         1590001540         S.TRANSISTOR         UMD6 TL		3		
Q39         1530002060 1560000330         S.TRANSISTOR S.FET         2SC4081 T107 R 2SK210-GR (TE85R)           Q41         1530002060 Q42         S.TRANSISTOR S.FET         2SC4081 T107 R 2SC4081 T107 R 3SK131-T2 MAS S.FET           Q43         1560000560 Q44         S.FET         2SK882-GR (TE85L) S.TRANSISTOR Q45         2SC4081 T107 R 2SC4081 T107 R DTC114EE TL S.TRANSISTOR           Q46         1590002310 Q49         S.TRANSISTOR S.TRANSISTOR         DTC114EE TL DTC114EE TL S.TRANSISTOR         DTC114EE TL DTC114EE TL DTC114		1		
Q40         1560000330         S.FET         2SK210-GR (TE85R)           Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580000620         S.FET         3SK131-T2 MAS           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         DTC144EE TL           Q45         1590002310         S.TRANSISTOR         DTC114EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTC144EE TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q65         1590001940         S.TRANSISTOR         UMD6 TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66		1590001940	S.TRANSISTOR	
Q41         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q42         1580000620         S.FET         3SK131-T2 MAS           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q45         1590002310         S.TRANSISTOR         DTC114EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1590001540         S.TRANSISTOR         UMD6 TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL <td< td=""><td></td><td></td><td>1</td><td></td></td<>			1	
Q42         1580000620         S.FET         3SK131-T2 MAS           Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q45         1590001940         S.TRANSISTOR         DTC144EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTC114EE TL           Q52         1530002060         S.TRANSISTOR         DTA114EE TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL <td< td=""><td>1</td><td></td><td>1</td><td>• ,</td></td<>	1		1	• ,
Q43         1560000560         S.FET         2SK882-GR (TE85L)           Q44         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q45         1590001940         S.TRANSISTOR         DTC1144EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC144EE TL           Q51         1590001870         S.TRANSISTOR         DTC144EE TL           Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL	1		i .	
Q45         1590001940         S.TRANSISTOR         DTC144EE TL           Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1590002310         S.TRANSISTOR         DTC114EE TL           Q49         1590001940         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC144EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         DTC144EE TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001940         S.TRANSISTOR         DTC144EE TL           S.TRANSISTOR         DTC144EE TL         S.TRANSISTOR	1 .	1560000560	L .	2SK882-GR (TE85L)
Q46         1590002310         S.TRANSISTOR         DTC114EE TL           Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         UMD6 TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)		E		
Q47         1590002310         S.TRANSISTOR         DTC114EE TL           Q48         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         UMD6 TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         UMD6 TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001940         S.TRANSISTOR         DTC144EE TL           S.TRANSISTOR         UN911F (TX)		i .	1	
Q48         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC114EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         UMD6 TL           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001940         S.TRANSISTOR         DTC144EE TL           S.TRANSISTOR         DTC144EE TL         S.TRANSISTOR	1	1	1	
Q49         1590002310         S.TRANSISTOR         DTC114EE TL           Q50         1590001940         S.TRANSISTOR         DTC144EE TL           Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q65         1530002060         S.TRANSISTOR         DTC144EE TL           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)	1	1	i i	
Q51         1590001870         S.TRANSISTOR         DTA114EE TL           Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         UMD6 TL           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)		1	1	
Q52         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q56         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)	3		l .	
Q55         1590001540         S.TRANSISTOR         UMD6 TL           Q56         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)	1 .		i	
Q56         1590001540         S.TRANSISTOR         UMD6 TL           Q63         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q64         1590001940         S.TRANSISTOR         DTC144EE TL           Q65         1530002060         S.TRANSISTOR         2SC4081 T107 R           Q66         1590001940         S.TRANSISTOR         DTC144EE TL           Q67         1590001920         S.TRANSISTOR         UN911F (TX)		1	1	
Q63       1530002060       S.TRANSISTOR       2SC4081 T107 R         Q64       1590001940       S.TRANSISTOR       DTC144EE TL         Q65       1530002060       S.TRANSISTOR       2SC4081 T107 R         Q66       1590001940       S.TRANSISTOR       DTC144EE TL         Q67       1590001920       S.TRANSISTOR       UN911F (TX)		1	i .	
Q65   1530002060   S.TRANSISTOR   2SC4081 T107 R   S.TRANSISTOR   DTC144EE TL   S.TRANSISTOR   UN911F (TX)	Q63	1530002060	S.TRANSISTOR	2SC4081 T107 R
Q66   1590001940   S.TRANSISTOR   DTC144EE TL   S.TRANSISTOR   UN911F (TX)	1 .	1	1	
Q67   1590001920   S.TRANSISTOR   UN911F (TX)	1	1	\$	
		1	1	
				S.=Surface moun

## [MAIN BOARD]

REF	ORDER	DES	CRIPTION
<b>NO.</b> Q68	NO. 1530002060	S.TRANSISTOR	2SC4081 T107 R
Q69	1590002310	S.TRANSISTOR	DTC114EE TL
Q70	1590001870	S.TRANSISTOR	DTA114EE TL
Q71	1590001870	S.TRANSISTOR	DTA114EE TL
Q72 Q77	1590001940 1590001870	S.TRANSISTOR S.TRANSISTOR	DTC144EE TL DTA114EE TL
Q78	1590001870	S.TRANSISTOR	DTA114EE TL
Q79	1590001940	S.TRANSISTOR	DTC144EE TL
Q80	1590001940	S.TRANSISTOR	DTC144EE TL
Q81 Q82	1590001940 1590001870	S.TRANSISTOR S.TRANSISTOR	DTC144EE TL DTA114EE TL
			_ ,,,,,,,
D.	1750000450	c piopr	10VOCE TI
D1 D2	1750000450 1750000210	S.DIODE S.DIODE	1SV265-TL 1SV237 (TE85R)
D13	1750000450	S.DIODE	1SV265-TL
D14	1750000450	S.DIODE	1SV265-TL
D15 D16	1750000210 1790000450	S.DIODE S.DIODE	1SV237 (TE85R) MA862 (TX)
D17	1790000450	S.DIODE	MA862 (TX)
D20	1790000450	S.DIODE	MA862 (TX)
D21 D22	1790000450 1750000450	S.DIODE S.DIODE	MA862 (TX) 1SV265-TL
D23	1750000450	S.DIODE	1SV265-TL
D24	1790000450	S.DIODE	MA862 (TX)
D25	1790000450	S.DIODE	MARGO (TX)
D26 D27	1790000450 1790000450	S.DIODE S.DIODE	MA862 (TX) MA862 (TX)
D28	1790000450	S.DIODE	MA862 (TX)
D29	1790000450	S.DIODE	MA862 (TX)
D30 D31	1790000450 1790000450	S.DIODE S.DIODE	MA862 (TX)
D36	1790000450	S.DIODE S.DIODE	MA862 (TX) MA2S111- (TX)
D37	1160000140	S.DIODE	DAP222 TL
D38	1790000450	S.DIODE	MA862 (TX)
D39 D42	1790000490 1790001250	S.DIODE S.DIODE	HSM88AS-TR MA2S111- (TX)
D43	1790000490	S.DIODE	HSM88AS-TR
D44	1790000490	S.DIODE	HSM88AS-TR
D46 D47	1790000450 1790001250	S.DIODE S.DIODE	MA862 (TX) MA2S111- (TX)
D47	1790001250	S.DIODE	MA862 (TX)
D50	1750000520	S.DIODE	DAN222TL
D51 D52	1750000370 1160000140	S.DIODE S.DIODE	DA221 TL DAP222 TL
D52	1790001250	S.DIODE S.DIODE	MA2S111- (TX)
D55	1790001250	S.DIODE	MA2S111- (TX)
D61	1790001250	S.DIODE	MA2S111- (TX)
D62 D63	1790001250 1790000490	S.DIODE S.DIODE	MA2S111- (TX) HSM88AS-TR
D64	1790000490	S.DIODE	HSM88AS-TR
D65	1750000520	S.DIODE	DAN222TL
D66 D67	1750000520 1720000590	S.DIODE S.VARICAP	DAN222TL MA357 (TX)
D68	1790000490	S.DIODE	HSM88AS-TR
D69	1790000490	S.DIODE	HSM88AS-TR
D70 D71	1730000620 1160000140	S.ZENER S.DIODE	RD3.6M-T2B2 DAP222 TL
D75	1790000620	S.DIODE	MA77 (TW)
D76	1790000620	S.DIODE	MA77 (TW)
D78 D80	1750000520 1750000520	S.DIODE S.DIODE	DAN222TL DAN222TL
D81	1750000520	S.DIODE S.DIODE	DAN222TL DAN222TL
D82	1750000520	S.DIODE	DAN222TL
D83	1750000520	S.DIODE	DAN222TL
D87 D89	1790000620 1730000030	S.DIODE S.ZENER	MA77 (TW) RD5.6M-T2B2
D90	1790001250	S.DIODE	MA2S111- (TX)
D92	1730000840	S.ZENER	RD9.1M-T2B2
D93 D94	1730000230 1790000450	ZENER S.DIODE	RD11E B1 MA862 (TX)
D94	1790000450	S.DIODE	MA2S111- (TX)
D99	1750000520	S.DIODE	DAN222TL
D100	1790001250	S.DIODE	MA2S111- (TX)
D102	1750000230 1790001250	S.DIODE S.DIODE	1SS315 TPH-3 [FRA], [DEN] MA2S111- (TX) [EUR], [USA]
D103	1790001250	S.DIODE	MA2S111- (TX)
D106	1790001250	S.DIODE	MA2S111- (TX)
D109 D110	1790000450 1790000450	S.DIODE S.DIODE	MA862 (TX) MA862 (TX)
D111	1790001250	S.DIODE	MA2S111- (TX)
			[FRA], [DEN] only

NO.   NO.	[ INIVALIA	BOARD]	<b>,</b>	
D112			DESC	CRIPTION
D114         1790001250         S.DIODE         MA2S111- (TX)           D115         1790001250         S.DIODE         MA2S111- (TX)           D116         1790001250         S.DIODE         MA2S111- (TX)           D118         1790001250         S.DIODE         MA2S111- (TX)           D19         1790001250         S.DIODE         MA2S111- (TX)           D120         1750000530         S.DIODE         MA2S111- (TX)           D121         1790000450         S.DIODE         MA262 (TX)           D123         1790000620         S.DIODE         MA77 (TW)           D124         1160000140         S.DIODE         DAP222 TL           D127         1790000620         S.DIODE         DAP222 TL           D127         1790001250         S.DIODE         DAN222TL           D129         1790001250         S.DIODE         MA2S111- (TX)           D130         1750000520         S.DIODE         MA2S111- (TX)           D131         1750000520         S.DIODE         MA2S111- (TX)           D131         1750000520         S.DIODE         HSB8WSTR           D132         1750000520         S.DIODE         DAN222TL           D133         1750000520         S.D		·····	S.DIODE	
D116         1790001250         S.DIODE         MA2S111- (TX)           D118         1790001250         S.DIODE         MA2S111- (TX)           D119         1790001250         S.DIODE         MA2S111- (TX)           D120         1790000450         S.DIODE         MA2S111- (TX)           D121         1790000450         S.DIODE         MA862 (TX)           D123         1790000620         S.DIODE         MA77 (TW)           D124         1160000140         S.DIODE         DA7222 TL           D127         1790000620         S.DIODE         DA221 TL           D127         1790000620         S.DIODE         MA77 (TW)           D128         1750000520         S.DIODE         MA2S111- (TX)           D130         1750000430         S.DIODE         MA2S111- (TX)           D131         1750000430         S.DIODE         HSB8WSTR           D132         1750000520         S.DIODE         HSB8WSTR           D134         1790001250         S.DIODE         MA2S111- (TX)           P12         202000140         S.DIODE         MA2S111- (TX)           F12         202000150         FILTER         FL-261 (69.0115 MHz)           F12         2020000170         F			1	, ,
D116         1790001250         S.DIODE         MA2S111- (TX)           D119         1790001250         S.DIODE         MA2S111- (TX)           D120         1750000530         S.DIODE         MA2S111- (TX)           D121         1790000450         S.DIODE         MA862 (TX)           D122         1790000450         S.DIODE         MA862 (TX)           D123         1790000620         S.DIODE         MA862 (TX)           D124         1160000140         S.DIODE         MA77 (TW)           D126         1750000370         S.DIODE         DA221 TL           D127         1790000620         S.DIODE         MA77 (TW)           D128         1750000520         S.DIODE         MA222TL           D129         1790001250         S.DIODE         MA2S111- (TX)           D130         1750000430         S.DIODE         HSB8WSTR           D131         1750000430         S.DIODE         HSB8WSTR           D131         1750000520         S.DIODE         MA223TL           D134         179001250         S.DIODE         MA22511- (TX)           FIL         2020001140         S.CERAMIC         SFECA10.7MA-5-A           FI2         2020000140         S.CERAMIC				. ,
D118         1790001250         S.DIODE         MA2S111- (TX)           D119         1790001250         S.DIODE         MA2S111- (TX)           D120         1750000530         S.DIODE         MA862 (TX)           D121         1790000450         S.DIODE         MA862 (TX)           D122         1790000620         S.DIODE         MA862 (TX)           D124         1160000140         S.DIODE         DAP222 TL           D126         1750000370         S.DIODE         DAP222 TL           D127         1790000620         S.DIODE         DAN22TL           D128         1750000520         S.DIODE         MA2S111- (TX)           D129         1790001250         S.DIODE         MA2S111- (TX)           D130         1750000430         S.DIODE         HSB88WSTR           D131         1750000520         S.DIODE         HSB8WSTR           D132         1750000520         S.DIODE         DAN22TL           D131         1750000520         S.DIODE         MA2S111- (TX)           FI1         2010002090         FILTER         FL-261 (69.0115 MHz)           F12         2020001140         FILTER         FL-261 (69.0115 MHz)           F13         201000270         PI				
D120         1750000530         S.DIODE         1SV271 (TPHS)           D121         1790000450         S.DIODE         MA862 (TX)           D122         1790000450         S.DIODE         MA862 (TX)           D123         1790000450         S.DIODE         MA77 (TW)           D124         1160000140         S.DIODE         DAP222 TL           D126         1750000520         S.DIODE         DAP221 TL           D127         1790000620         S.DIODE         DAN22TL           D129         1790001250         S.DIODE         MA2S111- (TX)           D130         1750000430         S.DIODE         HSB88WSTR           D131         1750000520         S.DIODE         DAN222TL           D132         1750000520         S.DIODE         DAN22TL           D134         1790001250         S.DIODE         MA2S111- (TX)           FI1         2010002001         S.DIODE         MA2S111- (TX)           FI2         2020001140         FILTER         FL-261 (69.0115 MHz)           FI2         2020001140         FILTER         FL-272 (9.0115MHz)           FI3         2010000230         S.CERAMIC         SFECA10.7MA-5-A           FI3         2010000230         S.	D118	1790001250	S.DIODE	` ,
D121				
D122         1790000500         S.DIODE         MA862 (TX)           D124         1180000140         S.DIODE         MA77 (TW)           D124         1180000140         S.DIODE         DAP222 TL           D127         179000050         S.DIODE         DA221 TL           D128         175000050         S.DIODE         MA77 (TW)           D128         1750000430         S.DIODE         DAN222TL           D130         1750000430         S.DIODE         HSB8WSTR           D131         1750000430         S.DIODE         HSB8WSTR           D132         1750000430         S.DIODE         DAN222TL           D133         1750000430         S.DIODE         DAN222TL           D133         1750000430         S.DIODE         DAN222TL           D134         1790001250         S.DIODE         MA2S111- (TX)           FI1         201000290         FILTER         FL-261 (69.0115 MHz)           F12         2020001140         S.CERAMIC         SFECA10.7MA-5-A           F13         20100002130         D.FILTER         FL-272 (9.0115MHz)           F14         20100002140         S.COIL         NL 322522T-221J           X1         60700003240         S.COIL			1	
D123	1		1 "	
D126				, ,
D127         1790000620         S.DIODE         MA77 (TW)           D128         1750000520         S.DIODE         DAN222TL           D130         1750000430         S.DIODE         MA25111- (TX)           D131         1750000430         S.DIODE         HSB88WSTR           D132         1750000520         S.DIODE         HSB88WSTR           D133         1750000200         S.DIODE         DAN222TL           D133         1750000200         S.DIODE         MA2S111- (TX)           FI1         2010002090         FILTER         FL-261 (69.0115 MHz)           F12         2020001140         S.CERAMIC         SFECA10.7MA-5-A           F13         2010000270         FILTER         FL-272 (9.0115MHz)           F15         2010000730         FILTER         FL-272 (9.0115MHz)           F16         2020001050         S.CERAMIC         SFPC455E-TC01           X1         607000150         S.DISCRIMINATOR CDBC455CX24-TC           X2         6050009870         S.COIL         NL 322522T-221J           L2         6200003240         S.COIL         NL 322522T-221J           L3         6200003240         S.COIL         MLF32166 5R6M-T           L6         6200003240	1			
D128				
D129			l	
D131			ł	
D132	1		l	
D133			ł <sup>*</sup>	
D134   1790001250   S.DIODE   MA2S111- (TX)			1	
FI2				
FI2				
FI3			i	
FI4			l .	
FI5			ĺ	
X1         6070000150 6050009870         S.DISCRIMINATOR CDBC455CX24-TC S.XTAL         CR-567 (9.8304 MHz)           L1         6200003240 6200003240         S.COIL S.COIL NL 322522T-221J NL 322522T-221J NL 322522T-221J NL 4 620000510         S.COIL NL 322522T-221J NL 322522T-220J NL 322522T-220J NL 322522T-220J NL 322522T-221J NL 322522T-220J NL 322522T-221J NL 322522T-220J NL 322522T-221J NL 322522T-220J NL 322522T-220J NL 322522T-20J NL 322522T-20J NL 322522T-20J NL 322522T-101J	FI5	2010000730	FILTER	FL-94
X2         6050009870         S.XTAL         CR-567 (9.8304 MHz)           L1         6200003240         S.COIL         NL 322522T-221J           L2         6200003240         S.COIL         NL 322522T-221J           L3         6200003240         S.COIL         NL 322522T-221J           L4         620000510         S.COIL         MLF3216E 5R6M-T           L5         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-221J           L30         6200003240         S.COIL         NL 322522T-22J           L35         620000280         S.COIL         LQN 1A 47NJ04           L36         620000280         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R2J-3           L41         6140002810         S.COIL         NL 322522T-2R2J-3           L42         6200002990<	FI6	2020001050	S.CERAMIC	SFPC455E-TC01
X2         6050009870         S.XTAL         CR-567 (9.8304 MHz)           L1         6200003240         S.COIL         NL 322522T-221J           L2         6200003240         S.COIL         NL 322522T-221J           L3         6200003240         S.COIL         NL 322522T-221J           L4         620000510         S.COIL         MLF3216E 5R6M-T           L5         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-221J           L30         6200003240         S.COIL         NL 322522T-22J           L35         620000280         S.COIL         LQN 1A 47NJ04           L36         620000280         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R2J-3           L41         6140002810         S.COIL         NL 322522T-2R2J-3           L42         6200002990<	V4	0070000450	o Dicopinalniator	ODDO4550V04 TO
L1 6200003240 S.COIL NL 322522T-221J L2 6200003240 S.COIL NL 322522T-221J L3 6200003240 S.COIL NL 322522T-221J L4 620000510 S.COIL MLF3216E 5R6M-T L5 620000500 S.COIL MLF3216A 4R7M-T L6 6200003240 S.COIL NL 322522T-221J L7 620003190 S.COIL NL 322522T-221J L8 6200003240 S.COIL NL 322522T-221J L8 6200003240 S.COIL NL 322522T-221J L9 620001710 S.COIL NL 322522T-220J L30 620003240 S.COIL NL 322522T-220J L30 6200003240 S.COIL NL 322522T-221J L35 620000280 S.COIL LQN 1A 33NJ04 L36 620000280 S.COIL LQN 1A 47NJ04 L37 6140002810 S.COIL LR-317 L38 6200003000 S.COIL NL 322522T-R2J-3 L39 620000300 S.COIL NL 322522T-R2J-3 L41 6140003210 S.COIL LR-358 L42 6200002990 S.COIL NL 322522T-2R2J-3 L44 6200002990 S.COIL NL 322522T-2R2J-3 L44 6200002990 S.COIL NL 322522T-2R2J-3 L45 6200002990 S.COIL NL 322522T-2R2J-3 L46 6200002990 S.COIL NL 322522T-2R2J-3 L47 6150004970 S.COIL NL 322522T-2R2J-3 L48 6150004970 S.COIL NL 322522T-R47J-3 L51 6140002810 S.COIL LR-317 L52 6200003030 S.COIL LR-317 L53 6150004970 S.COIL LR-317 L54 6150004970 S.COIL LR-317 L55 6150004870 S.COIL LS-512 L55 6150004870 S.COIL LS-512 L55 6150004900 S.COIL LS-512 L55 6150004900 S.COIL LS-512 L55 6150004900 S.COIL NL 322522T-220J L58 6200003260 S.COIL NL 322522T-200J L58 6200003260 S.COIL NL 322522T-100J	1		E .	
L2         6200003240         S.COIL         NL 322522T-221J           L3         6200003240         S.COIL         NL 322522T-221J           L4         6200000510         S.COIL         MLF3216E 5R6M-T           L5         6200003240         S.COIL         MLF3216A 4R7M-T           L6         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-220J           L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002360         S.COIL         NL 322522T-221J           L36         6200002360         S.COIL         NL 322522T-221J           L36         6200002360         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-2R2J-3           L41         6140002810         S.COIL         NL 322522T-2R2J-3           L43         6200002990				
L2         6200003240         S.COIL         NL 322522T-221J           L3         6200003240         S.COIL         NL 322522T-221J           L4         620000510         S.COIL         MLF3216E 5R6M-T           L5         6200003240         S.COIL         MLF3216A 4R7M-T           L6         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-220J           L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002360         S.COIL         NL 322522T-221J           L36         6200002360         S.COIL         NL 322522T-221J           L36         6200002360         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-2R2J-3           L41         6140002810         S.COIL         NL 322522T-2R2J-3           L43         6200002990	L1	6200003240	S.COIL	NL 322522T-221J
L4         6200000510         S.COIL         MLF3216E 5R6M-T           L5         620000500         S.COIL         MLF3216A 4R7M-T           L6         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-220J           L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002820         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-R2J-3           L41         6140002810         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830 </td <td></td> <th></th> <td>1</td> <td></td>			1	
L5         620000500         S.COIL         MLF3216A 4R7M-T           L6         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-221J           L8         6200003240         S.COIL         NL 322522T-220J           L9         6200001710         S.COIL         NL 322522T-220J           L30         6200003240         S.COIL         NL 322522T-221J           L30         6200002800         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R22J-3           L39         6200003000         S.COIL         NL 322522T-R22J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         615000497				
L6         6200003240         S.COIL         NL 322522T-221J           L7         6200003190         S.COIL         NL 322522T-220J           L8         6200003240         S.COIL         NL 322522T-220J           L9         6200001710         S.COIL         NL 322522T-220J           L30         6200002340         S.COIL         NL 322522T-221J           L35         6200002360         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R22J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-2R2J-3           L47         6150004970         S.COIL         LS-522           L50         6140002810 <td></td> <th></th> <td>!</td> <td></td>			!	
L7         6200003190         S.COIL         NL 322522T-470J           L8         6200003240         S.COIL         NL 322522T-221J           L9         6200001710         S.COIL         NL 322522T-221J           L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002360         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-R2J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         NL 322522T-100J           L48         6150004970         S.COIL         LS-522           L50         6140002810			1	
L9         6200001710         S.COIL         NL 322522T-220J           L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002860         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-R47J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200002990         S.COIL         NL 322522T-2R2J-3           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L52         6200003030				
L30         6200003240         S.COIL         NL 322522T-221J           L35         6200002820         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R2J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LS-512           L54         6150004870         S.COIL <td></td> <th></th> <td></td> <td></td>				
L35         6200002360         S.COIL         LQN 1A 33NJ04           L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R2J-3           L39         6200003030         S.COIL         NL 322522T-R47J-3           L41         6140003210         S.COIL         LR-358           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LR-317           L53         6150004870         S.COIL         LS-512           L54         6150004970         S.COIL         LS-512				
L36         6200002820         S.COIL         LQN 1A 47NJ04           L37         6140002810         S.COIL         LR-317           L38         6200003000         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R47J-3           L41         6140003210         S.COIL         NL 322522T-2R2J-3           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L54         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LR-317           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-			1	
L38         6200003000         S.COIL         NL 322522T-R22J-3           L39         6200003030         S.COIL         NL 322522T-R47J-3           L41         6140003210         S.COIL         LR-358           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-512           L57         6200001710         S.COIL         LS-515           L58         6200003260         S.COIL         NL 322522T-20J		6200002820	(	LQN 1A 47NJ04
L39         6200003030         S.COIL         NL 322522T-R47J-3           L41         6140003210         S.COIL         LR-358           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LR-317           L52         6200003030         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-512           L57         6200001710         S.COIL         LS-515           L58         6200003260         S.COIL         NL 322522T-20J           L58         6200003260         S.COIL         NL 322522T-101J				
L41         6140003210         S.COIL         LR-358           L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         LR-317           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         LS-515           L58         6200003260         S.COIL         NL 322522T-101J				
L42         6200002990         S.COIL         NL 322522T-2R2J-3           L43         6200002990         S.COIL         NL 322522T-2R2J-3           L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L48         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J	1		1	
L44         6200002990         S.COIL         NL 322522T-2R2J-3           L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L48         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J				
L45         6200002990         S.COIL         NL 322522T-2R2J-3           L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L48         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J			l	
L46         6200001830         S.COIL         NL 322522T-100J           L47         6150004970         S.COIL         LS-522           L48         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J				
L47         6150004970         S.COIL         LS-522           L48         6150004970         S.COIL         LS-522           L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J			1	
L50         6140002810         S.COIL         LR-317           L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J	L47	6150004970	S.COIL	LS-522
L51         6140002810         S.COIL         LR-317           L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J				
L52         6200003030         S.COIL         NL 322522T-R47J-3           L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J				
L53         6150004870         S.COIL         LS-512           L54         6150004870         S.COIL         LS-512           L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J				
L55         6150004900         S.COIL         LS-515           L57         6200001710         S.COIL         NL 322522T-220J           L58         6200003260         S.COIL         NL 322522T-101J	L53	6150004870	S.COIL	LS-512
L57   6200001710   S.COIL   NL 322522T-220J   S.COIL   NL 322522T-101J	1		1	
L58 6200003260 S.COIL NL 322522T-101J			i	
· • •				
	L59	6200003260	S.COIL	NL 322522T-101J
L60 6200003260 S.COIL NL 322522T-101J			1	
L61   6150004880   S.COIL   LS-513   L62   6200003190   S.COIL   NL 322522T-470J	1		i	
L63 6150004890 S.COIL LS-514				
L64   6150004880   S.COIL	L64		1	
L65 6200003260 S.COIL NL 322522T-101J				
L66   6200003260   S.COIL   NL 322522T-101J   NL 322522T-101J   NL 322522T-101J	1			
L71 6200001830 S.COIL NL 322522T-100J		6200001830	l .	
L72 6200003260 S.COIL NL 322522T-101J				
L74   6200003260   S.COIL			l .	
L76 6200002990 S.COIL NL 3225221-2A23-3				
L77 6200003260 S.COIL NL 322522T-101J				

## [MAIN BOARD]

REF	ORDER	DE	SCRIPTION
NO.	NO.	S.COIL	NL 322522T-2R2J-3
L78 L81	6200002990 6200001850	S.COIL	NL 322522T-2R2J-3 NL 322522T-5R6J
L82	6200003260	S.COIL	NL 322522T-101J
L84	6150004910	S.COIL	LS-516
L85	6150004910 6200001710	S.COIL S.COIL	LS-516 NL 322522T-220J
L87 L88	6200001710	S.COIL	NL 322522T-2200 NL 322522T-100J
L89	6200001830	S.COIL	NL 322522T-100J
L90	6200002990	S.COIL	NL 322522T-2R2J-3
L91	6200001830	S.COIL	NL 322522T-100J NL 322522T-2R2J-3
L92 L93	6200002990 6200002900	S.COIL S.COIL	ELJSC 680K-F
L94	6200002900	S.COIL	ELJSC 680K-F
L95	6200003260	S.COIL	NL 322522T-101J
L96	6200003260 6200002520	S.COIL S.COIL	NL 322522T-101J ELJNC R18K-F
L99 L100	6180002960	S.COIL	NL 322522T-R18J-3
L101	6180002960	S.COIL	NL 322522T-R18J-3
L104	6200005190	S.COIL	MLF1608D R56K-T
L105	6200005190	S.COIL	MLF1608D R56K-T
L106 L107	6200004940 6200004070	S.COIL S.COIL	MLF1608D R27K-T MLR1608M 22NJ-T
L108	6200004270	S.COIL	MLR1608M 27NJ-T
L109	6200005180	S.COIL	MLF1608D R39K-T
L110	6200004600	S.COIL	MLF1608D R15K-T
L111 L112	6200002340 6200002340	S.COIL S.COIL	LQN 1A 23NJ04 LQN 1A 23NJ04
L113	6200002540	S.COIL	ELJNC 18NK-F
L124	6200001710	S.COIL	NL 322522T-220J
L125	6200001830	S.COIL	NL 322522T-100J
L126	6200001710 6200003540	S.COIL S.COIL	NL 322522T-220J MLF1608D R22K-T
L128 L132	6200003540	S.COIL	MLR1608M 22NJ-T
L133	6200001830	S.COIL	NL 322522T-100J
L134	6200004960	S.COIL	NL 252018T-R33J
L137 L138	6200005560	S.COIL S.COIL	ELJSC 101K-F NL 322522T-221J
L139	6200003240	S.COIL	NL 322522T-221J
L140	6200005560	S.COIL	ELJSC 101K-F
L141	6200003240	S.COIL	NL 322522T-221J
L143	6200003120	S.COIL S.COIL	NL 322522T-8R2J ELJSC 101K-F
L144 L145	6200005560 6200004600	S.COIL	MLF1608D R15K-T
L146	6200004600	S.COIL	MLF1608D R15K-T
L147	6200004600	S.COIL	MLF1608D R15K-T
L149	6200002630	S.COIL S.COIL	NL 252018T-R10J NL 252018T-R15J
L150 L151	6200002640 6200002430	S.COIL S.COIL	NL 2520181-N153
L152	6200002910	S.COIL	NL 252018T-R27J
L153	6200002040	S.COIL	NL 252018T-101J
L154 L155	6200002810 6200004720	S.COIL S.COIL	ELJSC 560K-F MLF1608D R10K-T
L155	6200004720	3.0012	WEF 1000D RTOR-T
R1	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R2	7030006250	S.RESISTOR	ERJ12YJ271H (270 Ω)
R3	7030003390	S.RESISTOR	ERJ3GEYJ 391 V (390 Ω)
R4 R5	7030003290	S.RESISTOR S.RESISTOR	ERJ3GEYJ 560 V (56 $\Omega$ ) ERJ12YJ471H (470 $\Omega$ )
R6	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R7	7030006260	S.RESISTOR	ERJ12YJ471H (470 Ω)
R8	7030006260	S.RESISTOR S.RESISTOR	ERJ12YJ471H (470 Ω) ERJ3GEYJ 271 V (270 Ω)
R9 R10	7030003370	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R11	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R12	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R13 R27	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ12YJ471H (470 Ω)
R34	7030008280	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R35	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R36	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R37 R38	7030003510 7030003200	S.RESISTOR S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ) ERJ3GEYJ 100 V (10 Ω)
R40	7030003200	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R41	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R42	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R43 R45	7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 471 V (470 Ω)
R46	7030003400	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R47	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R48	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R50	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)

LIVIAIN	BOARD		
REF NO.	ORDER NO.	DE	ESCRIPTION
R51	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)
R52	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R53 R54	7030003400 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 101 V (100 Ω)
R55	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 12)
R56	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
R57	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R58 R59	7030003380 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 470 V (47 Ω)
R60	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R61	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)
R64 R66	7030003280 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 221 V (220 Ω)
R67	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R68	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R70	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R71 R73	7030003320 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 103 V (10 kΩ)
R74	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R75	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R76 R77	7030003320 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 222 V (2.2 kΩ)
R78	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R79	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R80	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R81 R82	7030003480 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 222 V (2.2 kΩ)
R83	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R85	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R86	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R87 R88	7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 101 V (100 Ω)
R89	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R90	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R91	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R92 R93	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R94	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R95	7310002760	S.TRIMMER	RV-152
R98 R99	7310002760 7030003760	S.TRIMMER S.RESISTOR	RV-152 ERJ3GEYJ 474 V (470 kΩ)
R100	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R101	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)
R102	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 104 V (100 kΩ)
R103 R104	7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R105	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R106	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)
R107 R108	7030003400 7030003620	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 333 V (33 kΩ)
R109	7310002740	S.TRIMMER	RV-150
R110	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R111	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R112 R113	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 105 V (1 MΩ)
R114	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R115	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R116 R117	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 151 V (150 Ω)
R118	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R119	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R120 R121	7030003560 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 101 V (100 Ω)
R121	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R123	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R124	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R125 R126	7030003610	S.RESISTOR S.TRIMMER	ERJ3GEYJ 273 V (27 kΩ) RV-150
R127	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R128	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R129	7030003320	S.RESISTOR	ERJ3GEY J 101 V (100 Ω)
R130 R131	7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 471 V (470 Ω)
R132	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R133	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R135 R136	7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 472 V (4.7 kΩ)
R136	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 κΩ) ERJ3GEYJ 101 V (100 Ω)
R138	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R139	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R140 R141	7030003380	S.RESISTOR S.RESISTOR	ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 102 V (1 kΩ)
[714]	7030003440	J.NESISTOR	LUOGETO IUZ V (1 K22)

## [MAIN BOARD]

REF NO.	ORDER NO.	DES	CRIPTION
R142	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R143	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R144	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R151 R152	7030003680 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R153	7030003300	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R154	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R155	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R156	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R157	7510000860	S.THERMISTOR	NTCCF2012 3FH 222KC-T
R158	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R159 R160	7030003440 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)
R161	7030003520	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R162	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R163	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R164	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R165	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R175 R177	7030003560 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R178	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R179	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R180	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R182	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R183	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R184	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R185 R186	7030003320 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 101 V (100 Ω)
R187	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R188	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R191	7310002740	S.TRIMMER	RV-150
R192	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R193	7310002740	S.TRIMMER	RV-150
R194	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R195 R196	7310002580 7030003480	S.TRIMMER S.RESISTOR	RV-108 ERJ3GEYJ 222 V (2.2 kΩ)
R197	7030003460	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R198	7310002590	S.TRIMMER	RV-109
R199	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R200	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R201	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R202 R203	7030003700 7030003630	S.RESISTOR S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ) ERJ3GEYJ 393 V (39 kΩ)
R206	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R208	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R209	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)
R212	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R213	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R214 R215	7030003440 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 472 V (4.7 kΩ)
R234	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R235	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)
R236	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R237	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R238	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)
R239 R240	7310004260 7030003760	TRIMMER S.RESISTOR	EVN-D2AA03 B54 ERJ3GEYJ 474 V (470 kΩ)
R241	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R242	7030003740	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R243	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)
R244	7310003820	TRIMMER	EVN-D2AA03 B14
R245	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R246 R247	7030003540 7030003600	S.RESISTOR S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ) ERJ3GEYJ 223 V (22 kΩ)
R248	7310004250	TRIMMER	EVN-D2AA03 B25
R249	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R250	7030003290	S.RESISTOR	ERJ3GEYJ 560 V (56 Ω)
R251	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R252	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R253 R254	7030003580 7030003580	S.RESISTOR S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ) ERJ3GEYJ 153 V (15 kΩ)
R256	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R258	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R259	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R260	7310002720	S.TRIMMER	RV-148
R261	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R262 R263	7030003780 7030003710	S.RESISTOR S.RESISTOR	ERJ3GEYJ 684 V (680 kΩ) ERJ3GEYJ 184 V (180 kΩ)
R264	7030003710	S.RESISTOR	ERJ3GEYJ 154 V (160 kΩ)
R265	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R266	7030003700	S.RESISTOR	ERJ3GEYJ 154 V (150 kΩ)
R268	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)

	BOARD	т	
REF NO.	ORDER NO.		DESCRIPTION
R269	7030003670	S.RESISTOR	ERJ3GEYJ 823 V (82 kΩ)
R270	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)
R271	7310002740	S.TRIMMER	RV-150
R272 R273	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R274	7310002720	S.TRIMMER	RV-148
R275	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R276 R277	7030003200 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 100 V (10 Ω) ERJ3GEYJ 222 V (2.2 kΩ)
R278	7030003480	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R279	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R280	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R281 R282	7030003640 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R283	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R284	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R285 R287	7030003490 7030003800	S.RESISTOR S.RESISTOR	ERJ3GEYJ 272 V (2.7 kΩ) ERJ3GEYJ 105 V (1 MΩ)
R288	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R289	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R290	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R291 R292	7030003440 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R293	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R294	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R295 R298	7030003560 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R300	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R301	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R302	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R303 R304	7030003640 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R305	7030003680	S.RESISTOR	ERJ3GEYJ 103 V (100 kΩ)
R306	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R307	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R308 R309	7030003720 7030003720	S.RESISTOR S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ) ERJ3GEYJ 224 V (220 kΩ)
R310	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R311	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R312 R313	7030003680 7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 473 V (47 kΩ)
R314	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R315	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)
R316 R321	7030003590 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R322	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R323	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R324	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R325 R326	7030003680 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 104 V (100 kΩ)
R327	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R328	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R337 R338	7030003560 7310002760	S.RESISTOR S.TRIMMER	ERJ3GEYJ 103 V (10 kΩ) RV-152
R341	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R342	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R343 R344	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R344 R345	7030003440 7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R346	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R347	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R348 R349	7030003440 7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R350	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R351	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R352	7030003480	S.RESISTOR TRIMMER	ERJ3GEYJ 222 V (2.2 kΩ) EVN-D2AA03 B14
R355 R356	7310003820 7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R358	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)
R359	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R360 R361	7030003550 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ) ERJ3GEYJ 221 V (220 Ω)
R362	7030003360	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R363	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)
R366	7030003520	S.RESISTOR	ERJ3GEY J 472 V (4.7 kΩ)
R367 R368	7030003680 7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ) ERJ3GEYJ 474 V (470 kΩ)
R369	7030003700	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R370	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R371 R372	7030003320 7030003340	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 151 V (150 Ω)
R372 R373	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω) ERJ3GEYJ 101 V (100 Ω)
L	1 22303020		

## [MAIN BOARD]

REF NO.	ORDER NO.	DE	SCRIPTION
R374	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R375	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R376 R377	7030003440 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 222 V (2.2 kΩ)
R378	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R379	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R383	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)
R384	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)
R386 R389	7030003560 7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R390	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R391	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)
R392	7030003420	S.RESISTOR S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)
R393 R395	7030003440 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 470 V (47 Ω)
R396	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R397	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)
R398	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R399 R401	7030003280 7310002720	S.RESISTOR S.TRIMMER	ERJ3GEYJ 470 V (47 Ω) RV-148
R402	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R403	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R404	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R405 R407	7030003400 7030003520	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 472 V (4.7 kΩ)
R409	7030003320	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)
R415	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R416	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R418 R419	7030003360 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 221 V (220 Ω)
R420	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R421	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R422	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R423 R425	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 102 V (1 kΩ)
R426	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R428	7030003730	S.RESISTOR	ERJ3GEYJ 274 V (270 kΩ)
R429	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)
R430 R431	7030003640	S.RESISTOR S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ) ERJ3GEYJ 475 V (4.7 MΩ)
R432	7030004710	S.RESISTOR	ERJ3GEYJ 475 V (4.7 MΩ)
R433	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)
R434	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R435 R436	7030003380 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 331 V (330 Ω) ERJ3GEYJ 470 V (47 Ω)
R437	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R438	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R439	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R440 R441	7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 474 V (470 kΩ)
R442	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)
R443	7030003760	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ)
R444 R445	7030003760	S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 474 V (470 kΩ)
R445	7030003760 7030003620	S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 333 V (33 kΩ)
R450	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R451	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R452 R455	7030003410	S.RESISTOR S.RESISTOR	ERJ3GEYJ 561 V (560 Ω) ERJ3GEYJ 103 V (10 kΩ)
R456	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R457	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R458	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R459 R460	7030003360 7030003360	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 221 V (220 Ω)
R460	7030003360	S.RESISTOR	ERJ3GEYJ 334 V (330 kΩ)
R462	7030003750	S.RESISTOR	ERJ3GEYJ 394 V (390 kΩ)
R466	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)
R467 R468	7030003370 7030003230	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 180 V (18 Ω)
R469	7030003230	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)
R470	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)
R471	7030003830	S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ)
R472 R474	7030003520 7030003660	S.RESISTOR S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ) ERJ3GEYJ 683 V (68 kΩ)
R475	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R476	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R477	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R478 R479	7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 273 V (27 kΩ)
R480	7030003610	S.RESISTOR	ERJ3GEYJ 273 V (27 kΩ)
R481	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R482	7030000140	S.RESISTOR	MCR10EZHJ 10 Ω (100)

[MAIN BOARD]				
REF NO.	ORDER NO.	D	ESCRIPTION	
R483	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R484	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)	
R485 R491	7030003370 7030003580	S.RESISTOR S.RESISTOR	ERJ3GEYJ 271 V (270 Ω) ERJ3GEYJ 153 V (15 kΩ)	
R492	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	
R493	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)	
R494	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)	
R495 R496	7030003620 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R497	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R498	7030006230	S.RESISTOR	ERJ12YJ151H (150 Ω)	
R499	7310002740	S.TRIMMER	RV-150	
R500	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R501 R502	7030003530 7030003420	S.RESISTOR S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ) ERJ3GEYJ 681 V (680 Ω)	
R504	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R505	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R506	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R507 R510	7030003440 7030003320	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 101 V (100 Ω)	
R511	7310002670	S.TRIMMER	RV-143	
R512	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	
R514	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R515 R516	7030003560 7030004710	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 475 V (4.7 MΩ)	
R521	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R522	7030003720	S.RESISTOR	ERJ3GEYJ 224 V (220 kΩ)	
R523	7030003480 7030003280	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
R524 R525	7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 470 V (47 Ω)	
R526	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)	
R527	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)	
R529	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)	
R530 R531	7030003420 7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 681 V (680 Ω) ERJ3GEYJ 471 V (470 Ω)	
R532	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)	
R533	7030006520	S.RESISTOR	RR0816P-561-D (560 Ω)	
R534 R535	7030007660	S.RESISTOR	RR0816P-331-D (330 Ω)	
R536	7030003220 7030003400	S.RESISTOR S.RESISTOR	ERJ3GEYJ 150 V (15 Ω) ERJ3GEYJ 471 V (470 Ω)	
R537	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
R538	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	
R539 R540	7030003480 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	
R542	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ) ERJ3GEYJ 473 V (47 kΩ)	
R543	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R544	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	
R546 R547	7030003760 7030003280	S.RESISTOR S.RESISTOR	ERJ3GEYJ 474 V (470 kΩ) ERJ3GEYJ 470 V (47 Ω)	
R548	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R549	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)	
R550	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)	
R551 R552	7030003400 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 222 V (2.2 kΩ)	
R553	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)	
R554	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	
R555 R557	7030003400 7030003200	S.RESISTOR S.RESISTOR	ERJ3GEYJ 471 V (470 Ω) ERJ3GEYJ 100 V (10 Ω)	
R558	7030003200	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	
R559	7030000310	S.RESISTOR	MCR10EZHJ 270 Ω (271)	
R560	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	
R561 R562	7030003280 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 103 V (10 kΩ)	
R563	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R564	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R565	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R566 R567	7030003560 7030003560	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 103 V (10 kΩ)	
R568	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R569	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	
R570	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	
R571 R572	7030003360 7030003480	S.RESISTOR S.RESISTOR	ERJ3GEYJ 221 V (220 Ω) ERJ3GEYJ 222 V (2.2 kΩ)	
R576	7030003480	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	
R577	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	
R578	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	
R579 R580	7030003560 7030003680	S.RESISTOR S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ) ERJ3GEYJ 104 V (100 kΩ)	
R581	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R582	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	
R583 R584	7030003560	S.RESISTOR S.RESISTOR	ERJ3GEY J 103 V (10 kΩ)	
11004	10000000000	J.HEOIOTUR	ERJ3GEYJ 103 V (10 kΩ)	

#### REF **ORDER** DESCRIPTION R585 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R586 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R587 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω) 7030003300 R588 S.RESISTOR ERJ3GEYJ 680 V (68 Ω) R589 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R590 7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ) S.RESISTOR R591 7030003440 ERJ3GEYJ 102 V (1 kΩ) R592 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) S.CERAMIC C1 4030011600 C1608 JB 1C 104KT-N C2 4030011600 S CERAMIC C1608 JB 1C 104KT-N СЗ S.CERAMIC 4030008470 C1608 JB 1H 272K-T-A C4 C5 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CERAMIC C1608 JB 1H 122K-T-A 4030010020 C6 4030008850 S CERAMIC C1608 JB 1C 123K-T-A C7 4030006870 S.CERAMIC C1608 JB 1H 222K-T-A C8 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C9 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C10 4030011600 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C11 4030007070 S.CERAMIC C1608 CH 1H 330J-T-A C57 C58 4030007040 S.CERAMIC C1608 CH 1H 180J-T-A C59 4030007050 S.CERAMIC C1608 CH 1H 220J-T-A C60 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C61 4030007090 S.CERAMIC C1608 CH 1H 470J-T-A C62 4030007130 S.CERAMIC C1608 CH 1H 101J-T-A C63 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C64 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C67 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A C68 4030006880 S.CERAMIC C69 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A C70 4030006880 S.CERAMIC S.CERAMIC C1608 JB 1H 472K-T-A C71 4030006880 C72 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C74 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C75 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C76 4030007000 S.CERAMIC C1608 CH 1H 090D-T-A C78 4030007000 S.CERAMIC C1608 CH 1H 090D-T-A C81 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C82 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C83 4030007060 S.CERAMIC C1608 CH 1H 270J-T-A C84 4030007150 S.CERAMIC C1608 CH 1H 151J-T-A C85 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C86 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C87 4030006880 S CERAMIC C1608 JB 1H 472K-T-A C88 4030006880 S CERAMIC C1608 JB 1H 472K-T-A C89 4030006880 S CERAMIC C1608 JB 1H 472K-T-A C91 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A S.CFRAMIC C92 4030007030 C1608 CH 1H 150J-T-A 4030007040 S CERAMIC C93 C1608 CH 1H 180J-T-A C94 4030006930 S CERAMIC C1608 CH 1H 020C-T-A C95 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C96 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C98 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C99 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C100 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C101 S.CERAMIC C102 4030006880 C1608 JB 1H 472K-T-A C104 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C105 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C106 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C107 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C108 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C109 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C111 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C112 4030006880 S.CERAMIC C1608 JB 1H 472K-T-A C113 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N C114 4030011600 S.CERAMIC C115 4030008920 S.CERAMIC C1608 JB 1C 473K-T-A C116 S.ELECTROLYTIC 4510004630 ECEV1CA100SR C117 4550002980 S.TANTALUM TEMSVA 1C 225M-8L

### [MAIN BOARD]

REF	ORDER	DE0.	ODIDTION
NO.	NO.		CRIPTION
C128 C129	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C130	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C131	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C132 C133	4030011600 4030007140	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 121J-T-A
C134	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C135	4510004640	S.ELECTROLYTIC	ECEV1CA470SP
C136 C137	4510004630 4550000450	S.ELECTROLYTIC S.TANTALUM	ECEV1CA100SR TESVC 1C 106M-12L
C138	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C141 C142	4510004630 4030009110	S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C3216 JB 1C 474K-T-A
C142	4030009110	S.CERAMIC S.CERAMIC	C1608 CH 1H 101J-T-A
C144	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A
C145 C146	4030006880 4030006870	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 222K-T-A
C147	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C148	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C158 C159	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C160	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C161 C162	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C163	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C164	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C165 C166	4510004630 4030006880	S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C1608 JB 1H 472K-T-A
C167	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C168	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C3216 JB 1C 105M-T-A
C169 C170	4030010210 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C171	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C172 C173	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C174	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C175	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C176 C177	4030006880 4510004440	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1H 472K-T-A ECEV1HA010SR
C178	4510005870	S.ELECTROLYTIC	ECEV1HA3R3SR
C179 C180	4030011600 4510004630	S.CERAMIC S.ELECTROLYTIC	C1608 JB 1C 104KT-N ECEV1CA100SR
C181	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C182	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C184 C187	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1E 103K-T-A
C189	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
C190 C191	4030007170 4030007130	S.CERAMIC S.CERAMIC	C1608 CH 1H 221J-T-A C1608 CH 1H 101J-T-A
C191	4030007130	S.CERAMIC	C1608 JB 1H 472K-T-A
C193	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C194 C195	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C208	4510005860	S.ELECTROLYTIC	ECEV1HA2R2SR
C209 C210	4510005860 4030011340	S.ELECTROLYTIC S.CERAMIC	ECEV1HA2R2SR C1608 CH 1H 471J-T-A
C210	4510005860	S.ELECTROLYTIC	ECEV1HA2R2SR
C212	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A
C213 C214	4030010760 4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 331J-T-A C1608 JB 1C 104KT-N
C215	4030010210	S.CERAMIC	C3216 JB 1C 105M-T-A
C216	4030007080	S.CERAMIC S.CERAMIC	C1608 CH 1H 390J-T-A C1608 JB 1C 104KT-N
C217 C218	4030011600 4030008900	S.CERAMIC	C1608 JB 1C 333K-T-A
C219	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C220 C221	4030010210 4030009000	S.CERAMIC S.CERAMIC	C3216 JB 1C 105M-T-A C2012 JB 1C 224K-T-A
C222	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C224	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C225 C226	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C227	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
C228 C230	4030009110 4030006860	S.CERAMIC S.CERAMIC	C3216 JB 1C 474K-T-A C1608 JB 1H 102K-T-A
C230	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C232	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C234 C235	4510004630 4030007020	S.ELECTROLYTIC S.CERAMIC	ECEV1CA100SR C1608 CH 1H 120J-T-A
C236	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C237	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C238 C239	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
L	1		=

S.=Surface mount

4550000450

4030006880

4030006880

4030006880

4030006880

4030006880

4030006880

4030006880

4030007040

4030007010

S.TANTALUM

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

S.CERAMIC

TESVC 1C 106M-12L

C1608 JB 1H 472K-T-A

C1608 CH 1H 180J-T-A

C1608 CH 1H 100D-T-A

C118

C119

C120

C121

C122

C123

C124

C125

C126

C127

## [MAIN BOARD]

ſ	REF NO.	ORDER NO.	DE	ESCRIPTION
I	C240	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A
1	C241	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
ı	C244	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
١	C245	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
١	C246	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
ı	C247	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
١	C248	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
١	C249	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
ı	C250	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
١	C251	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
١	C252	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
1	C255 C256	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104K1-N
	C257	4030006880 4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C258	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
١	C259	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
۱	C260	4030011280	S.CERAMIC	C1608 CH 1H 271J-T-A
1	C262	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
١	C263	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
1	C264	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
١	C265	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
1	C266	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
١	C267	4610002070	S.TRIMMER	CTZ3S-30C-W1-P-A
ļ	C268	4030007150	S.CERAMIC S.CERAMIC	C1608 CH 1H 151J-T-A
١	C269 C270	4030007150 4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A C1608 CH 1H 151J-T-A
١	C271	4030007130	S.CERAMIC	C1608 JB 1H 472K-T-A
	C272	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
	C273	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
1	C274	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
	C275	4030009000	S.CERAMIC	C2012 JB 1C 224K-T-A
	C276	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C277	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C278	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C279 C280	4030009110 4030006880	S.CERAMIC S.CERAMIC	C3216 JB 1C 474K-T-A C1608 JB 1H 472K-T-A
	C281	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
	C282	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C283	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C284	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C285	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C287	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
1	C288	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C289 C290	4030011600 4030007090	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 470J-T-A
	C290	4030007090	S.CERAMIC	C1608 JB 1C 104KT-N
	C292	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C293	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
	C294	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C295	4030007170	S.CERAMIC	C1608 CH 1H 221J-T-A
	C296	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C297 C298	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
	C299	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C300	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C301	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C304	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
	C305	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
	C307	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C308	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C309 C310	4030009650 4030009650	S.CERAMIC S.CERAMIC	C1608 CH 1H 240J-T-A C1608 CH 1H 240J-T-A
	C310	4030009850	S.CERAMIC	C1608 JB 1H 102K-T-A
	C312	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C313	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	C314	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C315	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C316	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
	C317	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
	C318 C319	4030007100 4030011600	S.CERAMIC S.CERAMIC	C1608 CH 1H 560J-T-A C1608 JB 1C 104KT-N
	C319	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
	C321	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C322	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	C328	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
	C329	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A
	C330	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A
	C331 C332	4030009500 4030009500	S.CERAMIC S.CERAMIC	C1608 CH 1H 0R5B-T-A C1608 CH 1H 0R5B-T-A
	C333	4030009500	S.CERAMIC S.CERAMIC	C1608 CH 1H 040B-T-A
	C334	4030009920	S.CERAMIC	C1608 CH 1H 050B-T-A
	C338	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
	L	1		

	BOARD]		
REF NO.	ORDER NO.		CRIPTION
C339 C340	4030006900 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1E 103K-T-A C1608 JB 1H 102K-T-A
C340 C341	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C342	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C343	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C344 C350	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C351	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C352	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C354	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C355 C357	4030011600 4030007000	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 090D-T-A
C358	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C359	4030007040	S.CERAMIC	C1608 CH 1H 180J-T-A
C360 C361	4030007170 4030007170	S.CERAMIC S.CERAMIC	C1608 CH 1H 221J-T-A C1608 CH 1H 221J-T-A
C362	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C364	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C365 C366	4030007070 4030007170	S.CERAMIC S.CERAMIC	C1608 CH 1H 330J-T-A C1608 CH 1H 221J-T-A
C367	4030007170	S.CERAMIC	C1608 CH 1H 221J-1-A
C368	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C369	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C370 C371	4030006990 4030007020	S.CERAMIC S.CERAMIC	C1608 CH 1H 080D-T-A C1608 CH 1H 120J-T-A
C378	4030007020	S.CERAMIC	C1608 JB 1H 472K-T-A
C381	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C382	4510005880	S.ELECTROLYTIC ELECTROLYTIC	ECEV1AA471P
C383 C384	4510005960 4510004630	S.ELECTROLYTIC	10 MV 220 HC ECEV1CA100SR
C387	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C388	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C389 C399	4030006860 4030006900	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1E 103K-T-A
C400	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C401	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C402 C404	4030010210	S.CERAMIC S.CERAMIC	C3216 JB 1C 105M-T-A C1608 JB 1H 472K-T-A
C404	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C407	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C408	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C409 C410	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C411	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C412	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C413 C414	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C415	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C416	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C417 C418	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C418	4030011600 4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C420	4510005860	S.ELECTROLYTIC	ECEV1HA2R2SR
C421	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C423 C427	4550000270 4550003230	S.TANTALUM S.TANTALUM	TESVA 1E 474M1-8L TEMSVB2 1E 225M-8L
C428	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C429	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
C430 C431	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C431	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C433	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C435	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C436 C437	4030011600 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C438	4550006770	S.TANTALUM	TEMSVD2 1C 476M-12R
C439	4550006770	S.TANTALUM	TEMSVD2 1C 476M-12R
C440 C443	4030006850 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 472K-T-A
C444	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C445	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C446	4030006880 4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C453 C454	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C455	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C456	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C457 C458	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C458	4030006880	S.CERAMIC	C1608 JB 1H 472K-1-A C1608 JB 1E 103K-T-A
C464	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C465	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C466	4030008880	S.CERAMIC	C1608 JB 1C 223K-T-A

F.11.	BOARD		
REF NO.	ORDER NO.	DESCRIPTION	
C467	4510004430	S.ELECTROLYTIC	ECEV1CV220WR
C471	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C474	4030009650	S.CERAMIC	C1608 CH 1H 240J-T-A
C476	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C477	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C483	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C484 C485	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C486	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C487	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C488	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C489	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C490	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C491 C492	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C493	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C494	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C495	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C496	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C497 C498	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C498	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C500	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C501	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C502	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C506	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C507 C508	4030007010 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 100D-T-A C1608 JB 1H 472K-T-A
C509	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C510	4550006250	S.TANTALUM	TEMSVA 1A 106M-8L
C511	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T-A
C512	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C513 C514	4030011600 4030007060	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 270J-T-A
C514	4030007080	S.CERAMIC S.CERAMIC	C1608 CH 1H 390J-T-A
C516	4030011540	S.CERAMIC	C1608 CH 1H 750J-T-A
C517	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A
C518	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
C519 C520	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C520	4030007110	S.CERAMIC	C1608 CH 1H 680J-T-A
C522	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C523	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C524	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C525 C526	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C527	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C528	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C529	4510004630	S.ELECTROLYTIC	ECEV1CA100SR
J1	6510007020	CONNECTOR	TMP-J01X-V6
J2	6510007020	CONNECTOR	TMP-J01X-V6
J3	6510007020	CONNECTOR	TMP-J01X-V6
J4 J5	6510007020 6510007020	CONNECTOR	TMP-J01X-V6 TMP-J01X-V6
J6	6510007020	CONNECTOR	TMP-J01X-V6
J7	6510019970	S.CONNECTOR	52808-1090
J8	6510018940	S.CONNECTOR	B13B-PH-SM3-TB
J9	6510018960	S.CONNECTOR	B2B-PH-SM3-TB
J10 J11	6510020080 6510020090	S.CONNECTOR S.CONNECTOR	52808-2090 52808-0890
J12	6510020090	S.CONNECTOR	B4B-PH-SM3-TB
J13	6510019070	S.CONNECTOR	52559-3092
J14	6510019190	S.CONNECTOR	52365-0891
J15	6450001560	CONNECTOR	PD-72
J16 J17	6450001560	CONNECTOR CONNECTOR	PD-72 PD-72
J18	6450001560 6450001560	CONNECTOR	PD-72
J20	6910010370	CONNECTOR	IPS-1340-01
J21	6450001560	CONNECTOR	PD-72
J22	6450001560	CONNECTOR	PD-72
J23	6450001560 6450001560	CONNECTOR CONNECTOR	PD-72 PD-72
J24 J25	6510016430	S.CONNECTOR	53307-1491
J26	6510020380	CONNECTOR	JS0330-GT
J27	6510020380	CONNECTOR	JS0330-GT
J28	6510020380	CONNECTOR	JS0330-GT
J29	6510020380	CONNECTOR	JS0330-GT
W11	7030003860	S.JUMPER	ERJ3GE JPW V

## [MAIN BOARD]

REF NO.	ORDER NO.		DESCRIPTION
W12	7030003860	S.JUMPER	ERJ3GE JPW V
W15	7030003860	S.JUMPER	ERJ3GE JPW V
W16	7030003860	S.JUMPER	ERJ3GE JPW V
W17	7120000380	JUMPER	JPW 01 R-01
W18	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
W19	7030008240	S.JUMPER	ERJ12YJ0R00H
W20	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
W21	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
WS1	8970022920	OTHER	(1)/MA
EP1	0910048487	РСВ	B 4916G
EP2	9021201001	TUBE	0.7 (d) L=7 (mm) [EUR], [USA]
EP3	9029802001 9021201001	TUBE TUBE	0.7 (d) L=9 (mm) [FRA], [DEN] 0.7 (d) L=7 (mm)

### [HPF BOARD]

ORDER NO. 1590000790	DES	CRIPTION
1590000790		
1560000650 1540000450 1590000660 1590000430 1590001060 1590001330	S.TRANSISTOR S.FET S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR	DTC143TU T107 2SK1577-2-T7 2SD1623-T-TD DTC144TU T107 DTC144EU T107 DTA114TU T107 DTA114EU T107
1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260 1790001260	S.DIODE	MA2S077- (TX)
6200005560 6200004480 6200001620 6200001620 6200001620 6200002240 6200002710 6200002710 6200005560 6200005560 6200005560 6200005550 6200005550 6200003240 6200002920 6200002160 6200002160 6200002160 6200002560 6200002160 6200002160 6200002160	S.COIL	ELJSC 101K-F ELJFC 3R3K-F ELJFC 4R7M-F ELJFC 1R0K-F ELJFC 1R0K-F ELJFC 1R0K-F ELJFC 1R8K-F ELJFC 1R8K-F ELJFC 1R8K-F ELJFC 1R1K-F ELJFC R56MF ELJSC 101K-F ELJFC R56MF ELJSC 101K-F ELJFC 100K-F ELJFC 100K-F ELJFC 100K-F ELJFC 100K-F NL 322522T-221J ELJNC R27K-F NL 252018T-068J ELJNC 82NK-F ELJSC 101K-F
	1540000450 1590000660 1590000430 1590001060 1590001330  1790001260 1790000001260 17900000000000000000000000000000000000	1540000450         S.TRANSISTOR           1590000430         S.TRANSISTOR           1590001060         S.TRANSISTOR           1590001330         S.TRANSISTOR           1790001260         S.TRANSISTOR           1790001260         S.DIODE           1790001260         S.COIL           1790001260         S.COIL           1790001260         S.COIL <t< td=""></t<>

## [HPF BOARD]

NO.         DESCRIPTION           1.34         6200005560         S.COIL         ELJSC 101K-F           1.36         6200005560         S.COIL         ELJSC 101K-F           1.37         620000510         S.COIL         NL 252018T-100J           1.38         6200002840         S.COIL         NL 252018T-R33J           1.40         6200002810         S.COIL         NL 252018T-R32J           1.41         6140002810         S.COIL         NL 252018T-R22J           1.41         6140002810         S.COIL         NL 252018T-R22J           1.41         6140002810         S.COIL         NL 252018T-R22J           1.41         6140002810         S.COIL         NL 526018T-R12J           1.80         6200003640         S.COIL         MLF1608K 100K-T           1.81         6200005560         S.COIL         MLF1608K 100K-T           1.82         6200005560         S.COIL         MLF1608K 100K-T           1.83         6200005560         S.COIL         MLF1608K 100K-T           1.83         6200005560         S.COIL         MLF1608K 100K-T           1.83         6200005560         S.COIL         MLR1608K 100K-T           1.83         6200005560         S.COIL	REF	ORDER		
L35	1	1		DESCRIPTION
L36				
L37				
L39				
L40		1	1	
L41	1	1		
L42			Į.	
L81				
L82				
L83	•			
R5		1		
R7	L84	6200004510	S.COIL	MLR1608M 47NJ-T
R7		-		
R18	R5	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R19	1	1	1	
R20	1	1	i	
R26				EBJ3GEYJ 103 V (10 kg)
R28	4	1	1	
R29	1	i	1	
R30	1	1		
R32         7030003480         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R34         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           R35         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           C1         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C2         403000860         S.CERAMIC         C1608 JB 1C 153K-T-A           C3         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C4         403001930         S.CERAMIC         C1608 JB 1C 104KT-N           C5         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C7         4030011300         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         403001030         S.CERAMIC         C1608 CH 1H 391J-T-A           C9         403001060         S.CERAMIC         C1608 CH 1H 391J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 152K-T-A           C14         4030009680         S.CERAMIC         C1608 JB 1H 127K-T-A           C15         4030007160				EBJ3GEYJ 102 V (1 kO)
R34		1	i	ERJ3GEYJ 222 V (2.2 kΩ)
R35         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)           C1         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C2         4030008860         S.CERAMIC         C1608 JB 1C 154K-T-A           C3         4030009860         S.CERAMIC         C1608 JB 1C 104KT-N           C4         4030009980         S.CERAMIC         C1608 JB 1C 104KT-N           C5         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C6         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         4030010760         S.CERAMIC         C1608 CH 1H 391J-T-A           C9         4030010760         S.CERAMIC         C1608 JB 1H 512K-T-A           C10         4030001600         S.CERAMIC         C1608 JB 1H 151J-T-A           C11         4030001600         S.CERAMIC         C1608 JB 1H 681K-T-A           C12         403000980         S.CERAMIC         C1608 JB 1H 152K-T-A           C15         403000980         S.CERAMIC         C1608 JB 1H 1272K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C15         4030007100         S.CERAMIC         C1608 JB 1C 104KT-N           C16         4030011330		1		
C1			1	
C2         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C3         4030008860         S.CERAMIC         C1608 JB 1C 153K-T-A           C5         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C6         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C7         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         4030010030         S.CERAMIC         C1608 CH 1H 391J-T-A           C9         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030009580         S.CERAMIC         C1608 JB 1H 672K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1H 722K-T-A           C16         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 JB 1C 104KT-N           C21         4030011330	noo	7030003080	3.NE31310N	ENJOGETJ 104 V (100 K12)
C2         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C3         4030008860         S.CERAMIC         C1608 JB 1C 153K-T-A           C5         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C6         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C7         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         4030010030         S.CERAMIC         C1608 CH 1H 391J-T-A           C9         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030009580         S.CERAMIC         C1608 JB 1H 672K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1H 722K-T-A           C16         4030001600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 JB 1C 104KT-N           C21         4030011330				
C3         4030008860         S.CERAMIC         C1608 JB IC 153K-T-A           C4         4030001980         S.CERAMIC         C1608 JB IC 104KT-N           C5         4030011600         S.CERAMIC         C1608 JB IC 104KT-N           C6         4030011330         S.CERAMIC         C1608 CH IH 391J-T-A           C8         4030010760         S.CERAMIC         C1608 CH IH 331J-T-A           C10         403001600         S.CERAMIC         C1608 JB IH 102K-T-A           C11         4030006860         S.CERAMIC         C1608 JB IH 102K-T-A           C12         4030009580         S.CERAMIC         C1608 JB IC 104KT-N           C13         4030009580         S.CERAMIC         C1608 JB IH 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB IH 681K-T-A           C15         4030008470         S.CERAMIC         C1608 JB IH 681K-T-A           C16         4030011600         S.CERAMIC         C1608 JB IH 681K-T-A           C15         4030007160         S.CERAMIC         C1608 JB IC 104KT-N           C16         4030011600         S.CERAMIC         C1608 CH IH 31J-T-A           C18         4030007150         S.CERAMIC         C1608 CH IH 31J-T-A           C22         4030011330		1	1	
C4         4030009980         S.CERAMIC         C1608 JB 1H 152K-T-A           C5         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C6         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         403001030         S.CERAMIC         C1608 CH 1H 391J-T-A           C9         4030010760         S.CERAMIC         C1608 CH 1H 391J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         403001600         S.CERAMIC         C1608 JB 1H 102K-T-A           C12         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 672K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 672K-T-A           C15         4030001600         S.CERAMIC         C1608 JB 1H 722K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1H 722K-T-A           C16         4030007160         S.CERAMIC         C1608 JB 1H 102K-T-A           C18         4030007160         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030011600		1	f	
C6         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C7         4030011030         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         40300100760         S.CERAMIC         C1608 CH 1H 391J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030011600         S.CERAMIC         C1608 JB 1H 102K-T-A           C12         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 681K-T-A           C16         4030001600         S.CERAMIC         C1608 JB 1H 102K-T-A           C16         4030007160         S.CERAMIC         C1608 JB 1C 104KT-N           C19         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C21         4030001330         S.CERAMIC         C1608 CH 1H 391J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 391J-T-A           C23         4030007170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030011600<	1	1	1	
C7         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C8         4030010030         S.CERAMIC         C1608 SL 1H 511J-T-A           C9         4030010760         S.CERAMIC         C1608 SB 1H 102K-T-A           C10         403001600         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 52K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 272K-T-A           C15         4030001600         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1H 102K-T-A           C17         4030007150         S.CERAMIC         C1608 JB 1H 102K-T-A           C18         4030010210         S.CERAMIC         C1608 JB 1H 102K-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C1608 CH 1H 221J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C23         403001700         S.CERAMIC         C1608 CH 1H 331J-T-A           C24         4030010760 <td></td> <td></td> <td></td> <td></td>				
C8         4030010030         S.CERAMIC         C1608 SL 1H 511J-T-A           C9         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 72K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 72K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 CH 1H 151J-T-A           C18         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C1608 CH 1H 391J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 391J-T-A           C23         403001710         S.CERAMIC         C1608 CH 1H 151J-T-A           C24         4030010020         S.CERAMIC         C1608 CH 1H 221J-T-A           C25         403001760 <td></td> <td></td> <td></td> <td></td>				
C10         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C11         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C12         4030009980         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 152K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030006860         S.CERAMIC         C1608 CH 1H 151J-T-A           C19         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030011600         S.CERAMIC         C1608 CH 1H 391J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010220         S.CERAMIC         C1608 CH 1H 221J-T-A           C25         4030007130         S.CERAMIC         C1608 CH 1H 221J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 101J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C38         403001760			1	
C11         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C12         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030011600         S.CERAMIC         C1608 CH 1H 181J-T-A           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030007150         S.CERAMIC         C1608 CH 1H 191J-T-A           C20         403001330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030007130         S.CERAMIC         C1608 CH 1H 331J-T-A           C25         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 30J-T-A           C39         4030007120				
C12         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C13         4030009580         S.CERAMIC         C1608 JB 1H 152K-T-A           C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C23         4030007170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010220         S.CERAMIC         C1608 CH 1H 331J-T-A           C25         403001760         S.CERAMIC         C1608 CH 1H 331J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C38         40300071				
C14         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C15         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030006860         S.CERAMIC         C1608 CH 1H 151J-T-A           C19         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C20         40300110210         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C1608 CH 1H 221J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010710         S.CERAMIC         C1608 CH 1H 101J-T-A           C25         4030010760         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 30J-T-A           C38         4030007120         S.CERAMIC         C1608 CH 1H 80J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 180J-T-A           C41         403000715				
C15         4030008470         S.CERAMIC         C1608 JB 1H 272K-T-A           C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C1608 CH 1H 391J-T-A           C22         4030011600         S.CERAMIC         C1608 CH 1H 221J-T-A           C23         4030017170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010020         S.CERAMIC         C1608 CH 1H 21J-T-A           C25         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         403000715			1	
C16         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C17         4030007160         S.CERAMIC         C1608 CH 1H 181J-T-A           C18         4030006860         S.CERAMIC         C1608 CH 1H 181J-T-A           C19         4030007150         S.CERAMIC         C1608 CH 1H 191J-T-A           C20         4030010210         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030011600         S.CERAMIC         C1608 BJ 1C 104KT-N           C22         4030011700         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010710         S.CERAMIC         C1608 CH 1H 221J-T-A           C25         4030010760         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C28         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C41         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C42         403000715				
C18         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A           C19         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C1608 CH 1H 391J-T-A           C22         4030011600         S.CERAMIC         C1608 DB 1C 104KT-N           C23         4030010020         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010730         S.CERAMIC         C1608 CH 1H 321J-T-A           C25         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 31J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 151J-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 82J-T-A           C41         4030007040         S.CERAMIC         C1608 CH 1H 150J-T-A           C42         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C43         4030007150		1	3	
C19         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C3216 JB 1C 105M-T-A           C22         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C23         4030010710         S.CERAMIC         C1608 JB 1H 122K-T-A           C24         4030010020         S.CERAMIC         C1608 CH 1H 221J-T-A           C25         4030010760         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 31J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 32J-T-A           C28         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C43         4030007150         S.CERAMIC         C1608 CH 1H 50J-T-A           C44         4030007150<	1	1		
C20         4030011330         S.CERAMIC         C1608 CH 1H 391J-T-A           C21         4030010210         S.CERAMIC         C3216 JB 1C 105M-T-A           C22         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C23         4030007170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010020         S.CERAMIC         C1608 CH 1H 101J-T-A           C25         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C41         4030007040         S.CERAMIC         C1608 CH 1H 820J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 39J-T-A           C43         4030007150         S.CERAMIC         C1608 CH 1H 39J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 51J-T-A           C45         4030007150 </td <td></td> <td>1</td> <td></td> <td></td>		1		
C21         4030010210         S.CERAMIC         C3216 JB 1C 105M-T-A           C22         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C23         4030007170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010020         S.CERAMIC         C1608 CH 1H 221J-T-A           C25         4030010760         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030011600         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007100         S.CERAMIC         C1608 CH 1H 150J-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 150J-T-A           C41         4030007040         S.CERAMIC         C1608 CH 1H 820J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 30J-T-A           C43         4030007120         S.CERAMIC         C1608 CH 1H 30J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 51J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150<			1	
C23         4030007170         S.CERAMIC         C1608 CH 1H 221J-T-A           C24         4030010020         S.CERAMIC         C1608 JB 1H 122K-T-A           C25         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C28         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007140         S.CERAMIC         C1608 CH 1H 80J-T-A           C42         4030007150         S.CERAMIC         C1608 CH 1H 30J-T-A           C43         4030007120         S.CERAMIC         C1608 CH 1H 30J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 151J-T-A           C48         4030007150<	C21	4030010210		C3216 JB 1C 105M-T-A
C24         4030010020         S.CERAMIC         C1608 JB 1H 122K-T-A           C25         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C28         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007120         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C41         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 82J-T-A           C43         4030007120         S.CERAMIC         C1608 CH 1H 80J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 151J-T-A           C48         4030007140         S.CERAMIC         C1608 CH 1H 680J-T-A           C50         4030007900				
C25         4030007130         S.CERAMIC         C1608 CH 1H 101J-T-A           C26         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C27         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C28         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007150         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 180J-T-A           C41         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 39J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 750J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 75J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007140         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 680J-T-A           C50         4030007090         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120<				
C27         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C28         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007150         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007140         S.CERAMIC         C1608 CH 1H 180J-T-A           C41         4030007120         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 390J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C48         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C49         4030007150         S.CERAMIC         C1608 CH 1H 331J-T-A           C50         4030007900         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 331J-T-A           C52         403001160		I		
C28         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007150         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C42         4030007180         S.CERAMIC         C1608 CH 1H 390J-T-A           C43         4030007180         S.CERAMIC         C1608 CH 1H 750J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 1680J-T-A           C48         4030007110         S.CERAMIC         C1608 CH 1H 470J-T-A           C50         4030007090         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C54         4030006				
C38         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C39         4030007010         S.CERAMIC         C1608 CH 1H 100D-T-A           C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007040         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 390J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 390J-T-A           C44         4030011540         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C48         4030007140         S.CERAMIC         C1608 CH 1H 680J-T-A           C49         4030007090         S.CERAMIC         C1608 CH 1H 331J-T-A           C50         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C54         4030006				
C40         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C41         4030007040         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 390J-T-A           C44         4030007150         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C48         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030006860         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006		4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
C41         4030007040         S.CERAMIC         C1608 CH 1H 180J-T-A           C42         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 390J-T-A           C44         4030011540         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C48         4030007110         S.CERAMIC         C1608 CH 1H 470J-T-A           C50         4030007090         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C54         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030006860         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         40300068				
C42         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C43         4030007080         S.CERAMIC         C1608 CH 1H 390J-T-A           C44         4030011540         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007140         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C48         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 CH 1H 820J-T-A           C54         4030006880         S.CERAMIC         C1608 JB 1C 104KT-N           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A		1	i	
C44         4030011540         S.CERAMIC         C1608 CH 1H 750J-T-A           C45         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C46         4030007150         S.CERAMIC         C1608 CH 1H 151J-T-A           C47         4030007140         S.CERAMIC         C1608 CH 1H 121J-T-A           C48         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 B B 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A	C42	4030007120	S.CERAMIC	C1608 CH 1H 820J-T-A
C45		1		
C46	•	1	l .	
C48         4030007110         S.CERAMIC         C1608 CH 1H 680J-T-A           C49         4030007090         S.CERAMIC         C1608 CH 1H 470J-T-A           C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A		1	1	
C49         4030007090         S.CERAMIC         C1608 CH 1H 470J-T-A           C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A	1	1	1	
C50         4030010760         S.CERAMIC         C1608 CH 1H 331J-T-A           C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A	1	1	i .	
C51         4030007120         S.CERAMIC         C1608 CH 1H 820J-T-A           C52         4030011600         S.CERAMIC         C1608 JB 1C 104KT-N           C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A	1	1	i .	
C54         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A		1		C1608 CH 1H 820J-T-A
C55         4030006880         S.CERAMIC         C1608 JB 1H 472K-T-A           C56         4030009580         S.CERAMIC         C1608 JB 1H 681K-T-A           C57         4030006860         S.CERAMIC         C1608 JB 1H 102K-T-A		1	1	
C56 4030009580 S.CERAMIC C1608 JB 1H 681K-T-A C57 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A		1	i	
	C56	4030009580	S.CERAMIC	C1608 JB 1H 681K-T-A
1000   4000007170   5.0EMAMIC   01008 CH 1H 221J-1-A		1		
C60 4030009650 S.CERAMIC C1608 CH 1H 240J-T-A	•	1	1	
C62 4030006860 S.CERAMIC C1608 JB 1H 102K-T-A		1	i e	

## [HPF BOARD]

REF NO.	ORDER NO.		DESCRIPTION
C66	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C67	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C68	4030007160	S.CERAMIC	C1608 CH 1H 181J-T-A
C69	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C70	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C71	4030006900	S.CERAMIC	C1608 JB 1E 103K-T-A
C72	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C73	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C74	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C80	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C81	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C82	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C83	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C84	4030007140	S.CERAMIC	C1608 CH 1H 121J-T-A
C85	4030007150	S.CERAMIC	C1608 CH 1H 151J-T-A
C86	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
J1	6910010810	CONNECTOR	IMSA-9210B-1-06Z041-T
J2	6910010810	CONNECTOR	IMSA-9210B-1-06Z041-T
EP1	0910048494	PCB	B 4917D

## [PLL UNIT]

PLLONIIJ				
REF NO.	ORDER NO.	DES	CRIPTION	
IC1 IC2 IC3	1180000420 1180001070 1180001540	S.IC S.IC S.IC	TA78L05F (TE12R) TA7805F (TE16L)	
IC4 IC5	1110003300 1110003090	S.IC S.IC IC	TA78L08F (TE12R) M5282FP 70CD LA4425A	
IC8	1130003830	S.IC	TC7S04F (TE85R)	
IC9	1130003830	S.IC	TC7S04F (TE85R)	
IC10	1140003641	S.IC	SC-1246	
IC10 IC11 IC12	1130003830 1140004550	S.IC S.IC S.IC	TC7S04F (TE85R) SC1287	
IC13	1130003650	S.IC	PLL2001S-ET	
Q5	1590002310	S.TRANSISTOR	DTC114EE TL	
Q6	1560000720	S.FET	2SK2171-4-TD	
Q7 Q8 Q9	1530003090 1560000720	S.TRANSISTOR S.FET	2SC4213-B (TE85R) 2SK2171-4-TD	
Q10 Q12	1530003090 1530002570 1560000330	S.TRANSISTOR S.TRANSISTOR S.FET	2SC4213-B (TE85R) 2SC4405-3-TL 2SK210-GR (TE85R)	
Q13	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q14	1530002560	S.TRANSISTOR	2SC4403-3-TL	
Q15	1530002560	S.TRANSISTOR	2SC4403-3-TL	
Q16	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q18	1590001870	S.TRANSISTOR	DTA114EE TL	
Q19	1590001870	S.TRANSISTOR	DTA114EE TL	
Q20	1590001870	S.TRANSISTOR	DTA114EE TL	
Q21	1590001870	S.TRANSISTOR	DTA114EE TL	
Q22	1590002310	S.TRANSISTOR	DTC114EE TL	
Q23	1510000510	S.TRANSISTOR	2SA1576 T107 R	
Q24	1530002060	S.TRANSISTOR	2SC4081 T107 R	
Q26	1590001870	S.TRANSISTOR	DTA114EE TL	
Q27	1530002560	S.TRANSISTOR	2SC4403-3-TL	
Q30	1530002690	S.TRANSISTOR	2SC4116-GR (TE85R)	
Q36	1530002560	S.TRANSISTOR	2SC4403-3-TL	
Q37 Q43	1530002300 1530002920 1590002430	S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR	2SC4226-T2 R25 DTA144EE TL	
Q44 Q45 Q47	1590002430 1520000740	S.TRANSISTOR TRANSISTOR	DTA144EE TL 2SB874 C	
Q47	1560000540	S.FET	2SK880-Y (TE85R)	
Q48	1530003000	S.TRANSISTOR	2SC4117-BL (TE85R)	
Q49	1530003000	S.TRANSISTOR	2SC4117-BL (TE85R)	
Q50	1560000540	S.FET	2SK880-Y (TE85R)	
Q51	1530002280	S.TRANSISTOR	2SC4081 T107 S	
D3	1750000130	S.DIODE	DA204U T107	
D4	1720000540	S.VARICAP	HVM17-01TR	
D5	1790000620	S.DIODE	MA77 (TW)	
D6	1720000540	S.VARICAP	HVM17-01TR	

## [PLL UNIT]

## [PLL UNIT]

REF NO.	ORDER NO.		DESCRIPTION
		S.DIODE	NAA77 /TIM/)
D7	1790000620	S.DIODE S.DIODE	MA77 (TW) 1SS319 (TE85R)
D8	1750000200		
D9	1790000450	S.DIODE	MA862 (TX)
D11	1750000210	S.DIODE S.DIODE	1SV237 (TE85R)
D12	1750000210		1SV237 (TE85R)
D13	1720000590	S.VARICAP	MA357 (TX)
D16	1790000620	S.DIODE	MA77 (TW)
D17	1790000450	S.DIODE	MA862 (TX)
D19	1790000450	S.DIODE	MA862 (TX)
D20	1750000130	S.DIODE	DA204U T107
D22	1750000160	S.DIODE	DA114 T107
D23	1790000590	S.DIODE	MA110 (TW)
D24	1720000590	S.VARICAP	MA357 (TX)
FI1	2020001140	S.CERAMIC	SFECA10.7MA-5-A
X1	6050005711	XTAL	CR-275A (30.00000 MHz)
L1	6170000140	COIL	LW-15
L3	6130002900	COIL	LB-332
L4	6180000830	COIL	LAL 03NA 3R3K
L6	6130002830	COIL	LB-325
L7	6180000850	COIL	LAL 03NA 4R7K
L8	6200005010	S.COIL	NL 252018T-100J
L10	6200002160	S.COIL	ELJNC 82NK-F
L13	6200001630	S.COIL	ELJNC R10K-F
L15	6140002810	S.COIL	LR-317
L16	6200001630	S.COIL	ELJNC R10K-F
L17	6200002160	S.COIL	ELJNC 82NK-F
L18	6200003670	S.COIL	ELJNC 68NK-F
L19	6200003670	S.COIL	ELJNC 68NK-F
L21	6200002160	S.COIL	ELJNC 82NK-F
L22	6200001770	S.COIL	ELJNC 47NK-F
L23	6200002120	S.COIL	ELJNC 33NK-F
L25	6200002150	S.COIL	ELJNC 56NK-F
L26	6200001940	S.COIL	ELJNC 27NK-F
L27	6200002120	S.COIL	ELJNC 33NK-F
L28	6200001830	S.COIL	NL 322522T-100J
L29	6200005010	S.COIL	NL 252018T-100J
L30	6200003260	S.COIL	NL 322522T-101J
L31	6130001850	COIL	LB-185
L32	6200001830	S.COIL	NL 322522T-100J
L34	6130001100	COIL	LB-146
L35	6180000900	COIL	LAL 03NA 101K
L36	6150004520	S.COIL	LS-508
L37	6150004830	S.COIL	LS-509
L38	6150004830	S.COIL	LS-509
L39	6200003260	S.COIL	NL 322522T-101J
L40	6200003260	S.COIL	NL 322522T-101J
L41	6200003260	S.COIL	NL 322522T-101J
L42	6200001830	S.COIL	NL 322522T-100J
L43	6200003260	S.COIL	NL 322522T-101J
L44	6200005010	S.COIL	NL 252018T-100J
L45	6200003170	S.COIL	NL 322522T-330J
L46	6200003130	S.COIL	NL 322522T-120J
L47	6200003140	S.COIL	NL 322522T-150J
L48	6200003670	S.COIL	ELJNC 68NK-F
L49	6200003670	S.COIL	ELJNC 68NK-F
L50	6200002150	S.COIL	ELJNC 56NK-F
L51	6200001940	S.COIL	ELJNC 27NK-F
L52	6200003320	S.COIL	NL 322522T-3R3J-3
L53	6200003100	S.COIL	NL 322522T-3R9J-3
L54	6200002960	S.COIL	NL 322522T-4R7J-3
L56	6200001760	S.COIL	ELJNC 22NK-F
L57	6200003960	S.COIL	MLF1608A 1R0K-T
L62	6180001510	COIL	LAL 02NA 101K
L63	6200003260	S.COIL	NL 322522T-101J
L64	6200003260	S.COIL	NL 322522T-101J
L65	6200003540	S.COIL	MLF1608D R22K-T
L66	6200002160	S.COIL	ELJNC 82NK-F
L67	6200003260	S.COIL	NL 322522T-101J
L68	6200002180	S.COIL	NL 252018T-R12J
L69	6200004080	S.COIL	MLR1608M 33NJ-T
L70	6200003550	S.COIL	MLF1608A 4R7K-T
L71	6200003550	S.COIL	MLF1608A 4R7K-T
L72	6200003550	S.COIL	MLF1608A 4R7K-T
L73	6200003550	S.COIL	MLF1608A 4R7K-T
L74		S.COIL	MLF1608A 4R7K-T
1	6200003550	0.0012	77121 100071 11771

REF NO.         ORDER NO.         DESCRIPTION           R3         7030003440 7030003440 S.RESISTOR S.RESISTOR S.RESISTOR ERJ3GEYJ 102 V (100 F.M.)	
R4 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R5	,
R6	
R8 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R9 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R10 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	1 kΩ)
R11 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R12 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R13	
R24 7030003640 S.RESISTOR ERJ3GEYJ 473 V (	' 1
R25 7030003560 S.RESISTOR ERJ3GEYJ 103 V (	
R26 7030003730 S.RESISTOR ERJ3GEYJ 274 V (	270 kΩ)
R28	
R29   7030003430   S.RESISTOR	' 1
R30   7030000100   S.RESISTOR MCR10EZHJ 4.7 Ω R32   7030003240   S.RESISTOR ERJ3GEYJ 220 V (	' '
R33 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R34 7030003240 S.RESISTOR ERJ3GEYJ 220 V (	22 Ω)
R37 7030003550 S.RESISTOR ERJ3GEYJ 822 V (	<i>'</i>
R38	
R39	
R49 7030003440 S.RESISTOR ERJ3GETJ 102 V (	
R50 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R51 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R52 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R53	
R54   7030003440   S.RESISTOR	
R58 7030003330 S.RESISTOR ERJ3GEYJ 470 V (	
R59 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R60 7310002740 S.TRIMMER RV-150	·
R61 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R62	
R63	
R65 7030003320 S.RESISTOR ERJ3GEYJ 101 V (	
R66 7030003550 S.RESISTOR ERJ3GEYJ 822 V (	
R67 7030003220 S.RESISTOR ERJ3GEYJ 150 V (	
R68 7030003220 S.RESISTOR ERJ3GEYJ 150 V (	
R69	
R71 7030003520 S.RESISTOR ERJ3GEYJ 472 V (	
R72 7030003400 S.RESISTOR ERJ3GEYJ 471 V (	
R73 7030003240 S.RESISTOR ERJ3GEYJ 220 V (	
R74 7030003600 S.RESISTOR ERJ3GEYJ 223 V (	
R75	,
R77 7030003320 S.RESISTOR ERJ3GEYJ 101 V (	
R78 7030003330 S.RESISTOR ERJ3GEYJ 121 V (	
R79 7030003640 S.RESISTOR ERJ3GEYJ 473 V (	
R80 7030003370 S.RESISTOR ERJ3GEYJ 271 V (	
R81	
R86 7030003360 S.RESISTOR ENJ3GEYJ 471 V (	
R88 7030003320 S.RESISTOR ERJ3GEYJ 101 V (	100 Ω)
R89 7030003440 S.RESISTOR ERJ3GEYJ 102 V (	
R90 7030003800 S.RESISTOR ERJ3GEYJ 105 V (	
R91	
R93 7030005370 S.RESISTOR RR0816P-202-B (2	
R94 7030005370 S.RESISTOR RR0816P-202-B (2	. :
R95 7030005370 S.RESISTOR RR0816P-202-B (2	
R96 7030005400 S.RESISTOR RR0816P-202-D (2	
R97	
R99 7030005400 S.RESISTOR RR0816P-202-D (2	
R100 7030005400 S.RESISTOR RR0816P-202-D (2	
R101 7030005400 S.RESISTOR RR0816P-202-D (2	
R102 7030005400 S.RESISTOR RR0816P-202-D (2	
R103	
R104   7030005380   S.RESISTOR   RR0816P-102-B (1 R105   7030005380   S.RESISTOR   RR0816P-102-B (1 R105   RR0816P-102-B (1 R105   R105	
R106 7030005380 S.RESISTOR RR0816P-102-B (1	
R107 7030005380 S.RESISTOR RR0816P-102-B (1	kΩ)
R108 7030005380 S.RESISTOR RR0816P-102-B (1	. 1
R109 7030005390 S.RESISTOR RR0816P-102-D (1	
R110	
	face mount

## [PLL UNIT]

## [PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION			REF NO.	ORDER NO.	DESCRIPTION	
R112	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		R233	7010004150	RESISTOR	R20J 470 Ω
R113	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		R234	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R114	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		R235	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R115	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)		R236	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R116	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)		R237	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)
R117	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)		R238	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R118	7030005370	S.RESISTOR	RR0816P-202-B (2 kΩ)		R239	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)
R119	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R240	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)
R120	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)	ll	R241	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)
R121	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R243	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R122	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R244	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R123	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R245	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R124	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R246	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)
R125	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R247	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)
R126	7030005400	S.RESISTOR	RR0816P-202-D (2 kΩ)		R248	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R127	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)		R249	7510000071	THERMISTOR	ERT-D2ZHL 503S
R128	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)		R250	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
R129	7030005380	S.RESISTOR	RR0816P-102-B (1 kΩ)		R255	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R130	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		R256	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R131	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		R257	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R132	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		1			` ,
R133	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)					
R134	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		C1	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A
R135	7030005390	S.RESISTOR	RR0816P-102-D (1 kΩ)		C2	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R136	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)		C3	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R137	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)		C4	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R138	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		C5	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A
R142	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C6	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R149	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C7	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R152	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)		C8	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A
R153	7010003320	RESISTOR	ELR20J 220 Ω		C9	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A
R154	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)		C10	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R155	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		C11	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R156	7030003360	S.RESISTOR	ERJ3GEYJ 221 V (220 Ω)		C12	4030009590	S.CERAMIC	C2012 JF 1C 225Z-T-A
R157	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	1 1	C15	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
R158	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C16	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
R159	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)		C17	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R160	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		C18	4030010750	S.CERAMIC	C1608 CH 1H 201J-T-A
R161	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)		C19	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
R162	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C20	4550006080	S.TANTALUM	TEMSVB2 1C 106M-8L
R163	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C21	4510005600	S.ELECTROLYTIC	
R167	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	li	C22	4510005600	S.ELECTROLYTIC	
R173	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		C23	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R176	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)		C24	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
R177	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C25	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R178	7030003320 7030003280	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		C26	4510004600	ELECTROLYTIC	16 MV 1000 HC
R179 R180		S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)		C27	4510004590	ELECTROLYTIC	16 MV 470 HC
R181	7030003330	S.RESISTOR	ERJ3GEYJ 121 V (120 Ω)		C28	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
R182	7030003220 7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C29	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R183	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C32	4030008560	S.CERAMIC	C1608 CH 1H 300J-T-A
R184	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C33	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R186	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C34	4030009510	S.CERAMIC	C1608 CH 1H 010B-T-A
R187	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)		C35	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R188	7030003260	S.RESISTOR	ERJ3GEYJ 330 V (33 Ω)		C36	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R189	7030003300	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)		C37	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
R190	7030003450	S.RESISTOR S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ) ERJ3GEYJ 470 V (47 Ω)		C40 C41	4030007110 4030006880	S.CERAMIC	C1608 CH 1H 680J-T-A
R192	7030003260	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)				S.CERAMIC	C1608 JB 1H 472K-T-A
R194	7030003400	S.RESISTOR	ERJ3GEYJ 152 V (1.5 KΩ)		C42 C43	4030009510 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 010B-T-A
R197	7030003220	S.RESISTOR	ERJ3GEYJ 150 V (15 Ω)		C43	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
R198	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		C44	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
R199	7030003300	S.RESISTOR	ERJ3GEYJ 680 V (68 Ω)		C45	4030006880	S.CERAMIC	C1608 JB 1H 471K-T-A C1608 JB 1H 472K-T-A
R200	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		C51	4510004590	ELECTROLYTIC	16 MV 470 HC
R202	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)		C52	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R203	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)		C53	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R205	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)		C54	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R213	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C60	403000330	S.CERAMIC	C1608 JB 1H 472K-1-A
R217	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	i I	C61	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R218	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)		C62	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
R219	7030003230	S.RESISTOR	ERJ3GEYJ 180 V (18 Ω)		C64	4030000880	S.CERAMIC	C1608 JB 1H 472K-1-A C1608 CH 1H 470J-T-A
R220	7030003370	S.RESISTOR	ERJ3GEYJ 271 V (270 Ω)		C65	4030007070	S.CERAMIC S.CERAMIC	C1608 CH 1H 330J-T-A
R221	7030007490	S.RESISTOR	MCR03EZHJ 10 M Ω (106)		C66	4030007070	S.CERAMIC	C1608 CH 1H 120J-T-A
R222	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)		C67	4030007020	S.CERAMIC	C1608 CH 1H 120J-1-A C1608 CH 1H 470J-T-A
R223	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)		C68	4030007090	S.CERAMIC	C1608 CH 1H 470J-1-A C1608 CH 1H 070D-T-A
R224	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)		C69	403000380	S.CERAMIC	C1608 CH 1H 070J-1-A
R225	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)		C70	4030007000	S.CERAMIC S.CERAMIC	C1608 CH 1H 270J-T-A
R226	7030003470	S.RESISTOR	ERJ3GEYJ 182 V (1.8 kΩ)		C71	403000300	S.CERAMIC	C1608 CH 1H 090D-T-A
R227	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	<b>j</b>	C72	4030007000	S.CERAMIC S.CERAMIC	C1608 CH 1H 090D-1-A
R229	7030003340	S.RESISTOR	ERJ3GEYJ 151 V (150 Ω)		C73	4030006960	S.CERAMIC	C1608 CH 1H 050C-T-A
R230	7030003270	S.RESISTOR	ERJ3GEYJ 390 V (39 Ω)		C74	4030007040	S.CERAMIC	C1608 CH 1H 050C-1-A
R231	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)		C75	4030007020	S.CERAMIC	C1608 CH 1H 120J-T-A
R232	7010004150	RESISTOR	R20J 470 Ω		C76	4030007020	S.CERAMIC S.CERAMIC	C1608 CH 1H 120J-T-A
L	<u> </u>	L		j		1		= .000 O.1 (11 0000-1-A

## [PLL UNIT]

## [PLL UNIT]

C77	
C78         4030007030         S.CERAMIC         C1608 CH 1H 150.           C79         4030006940         S.CERAMIC         C1608 CH 1H 030           C80         4030007060         S.CERAMIC         C1608 CH 1H 080           C81         4030007020         S.CERAMIC         C1608 CH 1H 120.           C82         4030007050         S.CERAMIC         C1608 CH 1H 120.           C84         4030008560         S.CERAMIC         C1608 CH 1H 300.           C85         4030007050         S.CERAMIC         C1608 CH 1H 220.           C86         4030006990         S.CERAMIC         C1608 CH 1H 080           C87         4030006990         S.CERAMIC         C1608 CH 1H 060           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030007040         S.CERAMIC         C1608 CH 1H 180.           C90         4030007120         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 CH 1H 820.	
C80         4030007060         S.CERAMIC         C1608 CH 1H 270.           C81         4030006990         S.CERAMIC         C1608 CH 1H 080I           C82         4030007020         S.CERAMIC         C1608 CH 1H 120.           C83         4030007050         S.CERAMIC         C1608 CH 1H 200.           C85         4030007050         S.CERAMIC         C1608 CH 1H 300.           C85         4030006990         S.CERAMIC         C1608 CH 1H 080I           C87         4030006970         S.CERAMIC         C1608 CH 1H 060I           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 120.           C90         4030007120         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C81         4030006990         S.CERAMIC         C1608 CH 1H 080I           C82         4030007020         S.CERAMIC         C1608 CH 1H 120.           C83         4030007050         S.CERAMIC         C1608 CH 1H 220.           C84         4030008560         S.CERAMIC         C1608 CH 1H 220.           C85         4030006990         S.CERAMIC         C1608 CH 1H 080I           C87         4030006970         S.CERAMIC         C1608 CH 1H 060I           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 120.           C90         4030007120         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C82         4030007020         S.CERAMIC         C1608 CH 1H 120.           C83         4030007050         S.CERAMIC         C1608 CH 1H 220.           C84         4030008560         S.CERAMIC         C1608 CH 1H 300.           C85         4030007050         S.CERAMIC         C1608 CH 1H 220.           C86         4030006990         S.CERAMIC         C1608 CH 1H 080I           C87         4030006970         S.CERAMIC         C1608 CH 1H 180.           C88         403007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 120.           C90         4030007120         S.CERAMIC         C1608 CH 1H 120.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C83         4030007050         S.CERAMIC         C1608 CH 1H 220.           C84         4030008560         S.CERAMIC         C1608 CH 1H 300.           C85         4030007050         S.CERAMIC         C1608 CH 1H 080           C87         4030006990         S.CERAMIC         C1608 CH 1H 060           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 120.           C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C84         4030008560         S.CERAMIC         C1608 CH 1H 300.           C85         4030007050         S.CERAMIC         C1608 CH 1H 220.           C86         4030006990         S.CERAMIC         C1608 CH 1H 060I           C87         4030006970         S.CERAMIC         C1608 CH 1H 060I           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030007020         S.CERAMIC         C1608 CH 1H 120.           C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C85         4030007050         S.CERAMIC         C1608 CH 1H 220.           C86         4030006990         S.CERAMIC         C1608 CH 1H 080I           C87         4030006970         S.CERAMIC         C1608 CH 1H 060I           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 120.           C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C87         4030006970         S.CERAMIC         C1608 CH 1H 060I           C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 020           C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C88         4030007040         S.CERAMIC         C1608 CH 1H 180.           C89         4030006930         S.CERAMIC         C1608 CH 1H 0200           C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	D-T-A
C89         4030006930         S.CERAMIC         C1608 CH 1H 0200           C90         4030007020         S.CERAMIC         C1608 CH 1H 1200           C91         4030007120         S.CERAMIC         C1608 CH 1H 8200           C92         4030007120         S.CERAMIC         C1608 CH 1H 8200           C93         4030007120         S.CERAMIC         C1608 CH 1H 8200           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C90         4030007020         S.CERAMIC         C1608 CH 1H 120.           C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C91         4030007120         S.CERAMIC         C1608 CH 1H 820.           C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C92         4030007120         S.CERAMIC         C1608 CH 1H 820.           C93         4030007120         S.CERAMIC         C1608 CH 1H 820.           C94         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C94 4030006880 S.CERAMIC C1608 JB 1H 472K	
	-T-A
	т л
C96         4030006880         S.CERAMIC         C1608 JB 1H 472K           C98         4030006880         S.CERAMIC         C1608 JB 1H 472K	
C99 4030006880 S.CERAMIC C1608 JB 1H 472K	
C100 4510005600 S.ELECTROLYTIC ECEV1CS100SR	
C101 4040000190 BARRIERLAYR UAT 05X 103K	
C102 4030007080 S.CERAMIC C1608 CH 1H 390.	
C103	UAI
C104   4610001260   S.TRIMMER   ECR-JA020 E12W   C105   4030007150   S.CERAMIC   C1608 CH 1H 1513	I-T-A
C106 4030007150 S.CERAMIC C1608 CH 1H 1513	
C107 4030007150 S.CERAMIC C1608 CH 1H 151	
C108 4030011600 S.CERAMIC C1608 JB 1C 104K	
C109   4030006960   S.CERAMIC   C1608 CH 1H 0500	
C110   4030011600   S.CERAMIC   C1608 JB 1C 104K C111   4510005600   S.ELECTROLYTIC   ECEV1CS100SR	.1-N
C112 4030011600 S.CERAMIC C1608 JB 1C 104K	T-N
C113 4030006880 S.CERAMIC C1608 JB 1H 472K	
C114 4030006880 S.CERAMIC C1608 JB 1H 472K	-T-A
C115 4030007060 S.CERAMIC C1608 CH 1H 270.	
C116	
C117   4030006880   S.CERAMIC   C1608 JB 1H 472K C118   4030007100   S.CERAMIC   C1608 CH 1H 560.	
C119 4030006880 S.CERAMIC C1608 JB 1H 472K	
C120 4030006880 S.CERAMIC C1608 JB 1H 472K	C-T-A
C121 4030006880 S.CERAMIC C1608 JB 1H 472K	
C122	
C123   4030006880   S.CERAMIC   C1608 JB 1H 472K C124   4030006920   S.CERAMIC   C1608 CH 1H 0100	
C125 4030007060 S.CERAMIC C1608 CH 1H 270.	
C126 4030011600 S.CERAMIC C1608 JB 1C 104K	
C127 4030011600 S.CERAMIC C1608 JB 1C 104K	
C128	
C132 4550000460 S.TANTALUM TESVA 1C 105M1-	
C133 4030006880 S.CERAMIC C1608 JB 1H 472K	
C134 4030011600 S.CERAMIC C1608 JB 1C 104K	T-N
C135 4030011600 S.CERAMIC C1608 JB 1C 104K	
C136 4030011600 S.CERAMIC C1608 JB 1C 104K	
C137   4030011600   S.CERAMIC   C1608 JB 1C 104K C138   4030011600   S.CERAMIC   C1608 JB 1C 104K	
C139 4030011600 S.CERAMIC C1608 JB 1C 104K	
C140 4030011600 S.CERAMIC C1608 JB 1C 104K	
C141 4030011600 S.CERAMIC C1608 JB 1C 104K	
C142 4030011600 S.CERAMIC C1608 JB 1C 104K	
C143 4030011600 S.CERAMIC C1608 JB 1C 104K	
C144	
C146 4030011600 S.CERAMIC C1608 JB 1C 104K	
C147 4030011600 S.CERAMIC C1608 JB 1C 104K	T-N
C148 4030011600 S.CERAMIC C1608 JB 1C 104K	
C149 4030006880 S.CERAMIC C1608 JB 1H 472K	
C150   4030011600   S.CERAMIC   C1608 JB 1C 104K C151   4030011600   S.CERAMIC   C1608 JB 1C 104K	
C152 4030011600 S.CERAMIC C1608 JB 1C 104K	
C153 4030011600 S.CERAMIC C1608 JB 1C 104K	T-N
C154 4030011600 S.CERAMIC C1608 JB 1C 104K	
C155 4030011600 S.CERAMIC C1608 JB 1C 104K	
C156   4030011600   S.CERAMIC   C1608 JB 1C 104K C157   4030007040   S.CERAMIC   C1608 CH 1H 180.	
C158 4030007040 S.CERAMIC C1608 CH 1H 180.	
C159 4030007040 S.CERAMIC C1608 CH 1H 180.	
C160 4030007040 S.CERAMIC C1608 CH 1H 180.	
C161   4030006960   S.CERAMIC   C1608 CH 1H 0500	J-1-A

[PLL U			
REF NO.	ORDER NO.	C	DESCRIPTION
C162	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C163	4030006930 4030007040	S.CERAMIC S.CERAMIC	C1608 CH 1H 020C-T-A C1608 CH 1H 180J-T-A
C164 C165	4030007040	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C166	4550000460	S.TANTALUM	TESVA 1C 105M1-8L
C167	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C169 C170	4030006920 4030007030	S.CERAMIC S.CERAMIC	C1608 CH 1H 010C-T-A C1608 CH 1H 150J-T-A
C171	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C172	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C173 C174	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C175	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C176	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C177 C178	4030006980 4030006930	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A C1608 CH 1H 020C-T-A
C178	4030007010	S.CERAMIC	C1608 CH 1H 100D-T-A
C180	4030009470	S.CERAMIC	C1608 CH 1H R75C-T-A
C181	4030006990 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 080D-T-A C1608 JB 1H 472K-T-A
C182 C183	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C184	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C185	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C186 C188	4510004990 4030006850	ELECTROLYTIC S.CERAMIC	16 MV 100 HC C1608 JB 1H 471K-T-A
C195	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C196	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C197 C198	4030006860 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 472K-T-A
C200	4510005600	S.ELECTROLYTIC	ECEV1CS100SR
C201	4510005600	S.ELECTROLYTIC	ECEV1CS100SR
C202 C204	4510005600 4030006980	S.ELECTROLYTIC S.CERAMIC	ECEV1CS100SR C1608 CH 1H 070D-T-A
C204	4030006980	S.CERAMIC S.CERAMIC	C1608 CH 1H 070D-T-A
C206	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C207 C212	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C212	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C217	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C218	4030006990	S.CERAMIC	C1608 CH 1H 080D-T-A
C219 C220	4030007030 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 150J-T-A C1608 JB 1H 472K-T-A
C223	4040000690	BARRIERLAYR	UAT 08X 473K
C224	4510005000	ELECTROLYTIC	16 MV 220 HC
C225 C226	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N
C227	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C228	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C237 C238	4030006920 4030006850	S.CERAMIC S.CERAMIC	C1608 CH 1H 010C-T-A C1608 JB 1H 471K-T-A
C239	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A
C240	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C241 C242	4550006080 4550006080	S.TANTALUM S.TANTALUM	TEMSVB2 1C 106M-8L TEMSVB2 1C 106M-8L
C243	4040000690	BARRIERLAYR	UAT 08X 473K
C244	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C245 C246	4030006880 4550000460	S.CERAMIC S.TANTALUM	C1608 JB 1H 472K-T-A TESVA 1C 105M1-8L
C247	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C248	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C249 C250	4030007030 4030006880	S.CERAMIC S.CERAMIC	C1608 CH 1H 150J-T-A C1608 JB 1H 472K-T-A
C251	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C252	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C253 C254	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C255	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C256	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C257 C258	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C259	4030071600	S.CERAMIC S.CERAMIC	C1608 CH 1H 220J-T-A
C260	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A
C261	4030007050	S.CERAMIC	C1608 CH 1H 220J-T-A C1608 JB 1H 102K-T-A
C262 C263	4030006860 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A
C264	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C265	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C266 C267	4030006860 4510004590	S.CERAMIC ELECTROLYTIC	C1608 JB 1H 102K-T-A 16 MV 470 HC
C268	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C269	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A
C270	4030007060	S.CERAMIC	C1608 CH 1H 270J-T-A

#### [PLL UNIT]

[FLL C			
REF NO.	ORDER NO.		DESCRIPTION
C271 C272 C273 C274 C275 C276 C277 C278 C279 C280 C281 C282	4030011600 4030007090 4030006880 4030006880 4030006880 4030006880 4030006880 4030007010 4030007010 4030007010 4030006880	S.CERAMIC	C1608 JB 1C 104KT-N C1608 CH 1H 470J-T-A C1608 JB 1H 472K-T-A C1608 CH 1H 100D-T-A C1608 CH 1H 100D-T-A C1608 CH 1H 100D-T-A C1608 JB 1H 472K-T-A
RL1	6330001320	RELAY	AHY103
CP11 CP12	6910009670 6910009670	S.CHECK POINT S.CHECK POINT	HK3-S-T HK3-S-T
J1 J2 J3 J4 J8 J9 J10	6510020250 6510019070 6510019970 6510009890 6510007900 6510007900	S.CONNECTOR S.CONNECTOR S.CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	B9B-PH-SM3-TB 52559-3092 52808-1090 PD054-04M TBP-P01X-A1 TBP-P01X-A1 TBP-P01X-A1
W16 W17 W18	7030003860 7030003860 7120000010	S.JUMPER S.JUMPER JUMPER	ERJ3GE JPW V ERJ3GE JPW V JPW 02A
WS1 WS2 WS3	8600035640 8970022451 8970022452 8970022840 8970022840	OTHER OTHER OTHER OTHER OTHER	P01×J04PL (3)/PL [EUR], [USA] (3)/PL [FRA], [DEN] (1)/PL [EUR], [FRA] (1)/PL [DEN], [USA]
EP1 EP2 EP3 EP4 EP5 EP6 EP7	0910048506 9001602001 9068000100 9001602001 9034701901 9036505001 6910000630 9025608001	PCB TUBE TUBE TUBE TUBE TUBE BEAD TUBE	B 4918F 0.7 (d) L=10 (mm) 5 (d) L=10 (mm) 0.7 (d) L=10 (mm) 0.7 (d) L=20 (mm) 0.7 (d) L=20 (mm) FSOH070RN [EUR], [USA] 1 (d) L=7 (mm) [FRA], [DEN]

# [PA UNIT]

REF NO.	ORDER NO.	DES	CRIPTION
	1	S.FET TRANSISTOR S.TRANSISTOR	2SK2596BXTL MRF5015 DTC144EE TL 2SA1576 T107 R DTC144EE TL DTC144EE TL DTA114EE TL DTC114EE TL MRF581 DTC144EE TL DTC144EE TL
Q30 Q35 Q36 Q39 Q40 Q41	1590001940 1590002310 1590001870 1530002060 1520000450 1530000880	S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR TRANSISTOR	DTC144EE TL DTC114EE TL DTC114EE TL DTA114EE TL 2SC4081 T107 R 2SB1132 T100 Q 2SC2694

# [PA UNIT]

REF NO.	ORDER NO.		DESCRIPTION
Q42	1530000880	TRANSISTOR	2SC2694
Q43	1530000880	TRANSISTOR	2SC2694
Q44 Q45	1540000560 1540000200	S.TRANSISTOR TRANSISTOR	2SD1221-Y (TE16L)
Q45 Q46	1590001870	S.TRANSISTOR	2SD1406 Y DTA114EE TL
Q47	1530002060	S.TRANSISTOR	2SC4081 T107 R
D1	1160000140	S.DIODE	DAP222 TL
D2	1720000360	S.DIODE	HSU88TRF
D3	1720000360	S.DIODE	HSU88TRF
D4 D11	1710000310 1160000140	DIODE S.DIODE	MI407 DAP222 TL
D12	1790000700	DIODE	DSA3A1
D13	1790000700	DIODE	DSA3A1
D14 D15	1710000290 1710000290	DIODE	MI308
D18	1750000520	DIODE S.DIODE	MI308 DAN222TL
D19	1720000540	S.VARICAP	HVM17-01TR
D20	1790000620	S.DIODE	MA77 (TW)
D21 D22	1720000540 1790000620	S.VARICAP S.DIODE	HVM17-01TR MA77 (TW)
D23	1790000450	S.DIODE	MA862 (TX)
D24	1710000290	DIODE	MI308
D25 D26	1790000710	VARISTOR	MA29B
D27	1790000710 1790000710	VARISTOR VARISTOR	MA29B MA29B
D28	1750000520	S.DIODE	DAN222TL
D29	1730000030	S.ZENER	RD5.6M-T2B2
D31 D32	1720000540	S.VARICAP	HVM17-01TR
D33	1790000710 1720000540	VARISTOR S.VARICAP	MA29B HVM17-01TR
D35	1790000620	S.DIODE	MA77 (TW)
L3	6140002220	COIL	LR-270 (TR6X3X2 3A9)
L5	6140003040	COIL	LR-322B
L8	6140003370	COIL	LR-378
L9 L10	6140002030 6110001670	COIL	LR-230 (SK-10M-15Y 120) LA-253
L11	6110001660	COIL	LA-252
L12	6110001670	COIL	LA-253
L14 L16	6200004740 6110001740	S.COIL COIL	NL 252018T-1R2J
L17	6110001740	COIL	LA-263 LA-253
L18	6110001670	COIL	LA-253
L19	6110001670	COIL	LA-253
L33 L37	6200004740 6200003950	S.COIL S.COIL	NL 252018T-1R2J HF50ACC 322513-T
L41	6200003590	S.COIL	EXCCL3225U1
L42	6180000900	COIL	LAL 03NA 101K
L45 L46	6140000610	COIL	LR-83
L50	6140003350 6910003570	COIL	LR-376 2943-666663
L51	6910003570	COIL	2943-666663
L52	6200005010	S.COIL	NL 252018T-100J
L53 L60	6200005010 6150002810	S.COIL COIL	NL 252018T-100J LS-291
L61	6200003710	S.COIL	NL 252018T-2R7J
L62	6150002810	COIL	LS-291
L63	6200004740	S.COIL	NL 252018T-1R2J
L64 L77	6200004740 2040000490	S.COIL COIL	NL 252018T-1R2J EXC-ELDR25C
L78	2040000490	COIL	EXC-ELDR25C
L79	6200003950	S.COIL	HF50ACC 322513-T
L80 L81	6180000810	COIL	LAL 03NA 2R2M
L82	6110003270 2040000490	COIL	LA-521 EXC-ELDR25C
L83	2040000490	COIL	EXC-ELDR25C
L86	6200004740	S.COIL	NL 252018T-1R2J
L87 L88	6200004740 6200004740	S.COIL S.COIL	NL 252018T-1R2J NL 252018T-1R2J
L89	6200004740	S.COIL	NL 252018T-1R2J NL 252018T-1R2J
L91	6200003950	S.COIL	HF50ACC 322513-T
L92 L93	6170000230	COIL	LW-25
R1	6200003590 7030003420	S.COIL S.RESISTOR	HF50ACC 322513-T ERJ3GEYJ 681 V (680 Ω)
R2	7030003420	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R3	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R4 R6	7030006120 7310003240	S.RESISTOR TRIMMER	ERJ1WYJ4R7H (4.7 Ω) EVN-2ACA00 B23 (202)
R7	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)
	<u> </u>	L	S.=Surface mount

#### [PA UNIT]

#### ORDER REF DESCRIPTION NO NO. ERJ3GEYJ 222 V (2.2 kΩ) 7030003480 S.RESISTOR RR ERJ12YJ151H (150 Ω) 7030006230 S.RESISTOR Ra ERJ3GEYJ 392 V (3.9 kΩ) R17 7030003510 S.RESISTOR 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) R18 ERJ3GEYJ 392 V (3.9 kΩ) S.RESISTOR 7030003510 R19 ERJ3GEYJ 102 V (1 kΩ) 7030003440 S.RESISTOR R20 ERJ12YJ820H (82 Ω) 7030007990 S.RESISTOR **B21** 7030003380 S.RESISTOR ERJ3GEYJ 331 V (330 Ω) **B**30 S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ) 7030003500 **R**33 7030003500 S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ) R34 7100000640 RESISTOR 5 SI 0.012 Ω (J) R35 ERJ3GEYJ 332 V (3.3 kΩ) 7030003500 S.RESISTOR **R36** 7030003500 S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ) **B**37 2P-50A-301 7540000130 ABSORBER **R38** ERJ3GEYJ 182 V (1.8 kΩ) 7030003470 S.RESISTOR R43 ERJ3GEYJ 222 V (2.2 kΩ) **R44** 7030003480 S.RESISTOR 7030000240 S.RESISTOR MCR10EZHJ 68 Ω (680) R45 S.RESISTOR MCR10EZHJ 68 Ω (680) R46 7030000240 S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ) R49 7030003530 7030008000 S.RESISTOR ERJ1WYJ3R3H (3.3 Ω) R50 R51 7030006060 S.RESISTOR ERJ12YJ100H (10 $\Omega$ ) R53 7030006060 S.RESISTOR ERJ12YJ100H (10 $\Omega$ ) 7030008000 S.RESISTOR ERJ1WYJ3R3H (3.3 Ω) R54 7030006120 S.RESISTOR ERJ1WYJ4R7H (4.7 Ω) R56 R61 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) R62 S.RESISTOR 7030003400 FRJ3GEYJ 471 V (470 Ω) R63 **R73** 7030003380 S.RESISTOR ERJ3GEYJ 331 V (330 Ω) S.RESISTOR R74 7030003220 ERJ3GEYJ 150 V (15 Ω) FRJ3GEYJ 331 V (330 Ω) R75 7030003380 S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) R89 7030003520 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R90 7030003680 S.RESISTOR R91 7030003560 S RESISTOR FRJ3GEYJ 103 V (10 kΩ) FRJ3GEYJ 104 V (100 kΩ) R92 7030003680 S RESISTOR ERJ3GEYJ 104 V (100 kΩ) R93 7030003680 S.RESISTOR ERJ3GEYJ 470 V (47 Ω) R94 7030003280 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) **R95** 7030003440 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) S RESISTOR **B**97 7030003680 ERJ3GEYJ 101 V (100 Ω) 7030003320 S.RESISTOR **R98** S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) 7030003670 R99 ERJ3GEYJ 103 V (10 kΩ) 7030003560 S.RESISTOR R100 ERJ3GEYJ 104 V (100 kΩ) R101 7030003680 S.RESISTOR 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) R102 ERJ3GEYJ 104 V (100 kΩ) 7030003680 S.RESISTOR R103 7030003400 S.RESISTOR ERJ3GEYJ 471 V (470 Ω) R104 ERJ3GEYJ 560 V (56 Ω) S.RESISTOR R105 7030003290 ERJ3GEYJ 391 V (390 Ω) 7030003390 S.RESISTOR R106 ERJ3GEYJ 471 V (470 Ω) 7030003400 S.RESISTOR R107 ERJ3GEYJ 221 V (220 Ω) 7030003360 S.RESISTOR R126 EVN-2ACA00 B23 (202) 7310003240 TRIMMER R127 R129 7030003280 S.RESISTOR ERJ3GEYJ 470 V (47 Ω) ERJ3GEYJ 221 V (220 Ω) 7030003360 S.RESISTOR R130 TRIMMER EVN-2ACA00 B23 (202) 7310003240 R131 S.RESISTOR ERJ1WYJ4R7H (4.7 Ω) 7030006120 R132 R135 7510000070 **THERMISTOR** ERT-D2FHL 503S **THERMISTOR** ERT-D2FHL 503S R136 7510000070 7030003670 S.RESISTOR ERJ3GEYJ 823 V (82 kΩ) R137 7030003450 S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ) R138 R139 7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) 7030007360 S.RESISTOR ERJ1WYJ470H (47 Ω) R140 R141 7030003480 S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ) R142 7030006120 S.RESISTOR ERJ1WYJ4R7H (4.7 Ω) R143 7030006120 S.RESISTOR FRJ1WYJ4R7H (4.7 Ω) R144 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) R145 7030006130 S.RESISTOR ERJ1WYJ100H (10 Ω) R146 7030008330 S.RESISTOR FRJ1WROJR33U FR.HWROJB33U R148 7030008330 S.RESISTOR R152 7030003440 S RESISTOR ERJ3GEYJ 102 V (1 kΩ) ERJ3GEYJ 103 V (10 kΩ) R153 7030003560 S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ) R154 7030003460 S RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) R155 7030003520 S.RESISTOR ERJ3GEYJ 224 V (220 kΩ) R156 7030003720 S.RESISTOR MCR100JZHJ 0.68 Ω (R68) 7030007630 R157 S RESISTOR MCR100JZHJ 0.68 Ω (R68) 7030007630 S RESISTOR R158 ERJ3GEYJ 1R0 V (1 Ω) S.RESISTOR R159 7030004050 4030011600 S.CERAMIC C1608 JB 1C 104KT-N C<sub>1</sub> C1608 JB 1C 104KT-N S.CERAMIC 4030011600 C4 S.CERAMIC C1608 JB 1C 104KT-N 4030011600 C7 S.CERAMIC GRM42-6 CH 300J 500PT C26 4030011200 S.CERAMIC GRM42-6 CH 220J 500PT 4030011180 C27 4030011180 S.CERAMIC GRM42-6 CH 220J 500PT C28

#### [PA UNIT]

	PA UNIT			
REF NO.	ORDER NO.	!	DESCRIPTION	
C29	4030011260	S.CERAMIC	GRM42-6 W5R 102K 500PT	
C32 C35	4030011260 4030011040	S.CERAMIC S.CERAMIC	GRM42-6 W5R 102K 500PT GRM42-6 CK 020C 500PT	
C36	4030011040	S.CERAMIC	GRM42-6 CH 220J 500PT	
C37	4030011080	S.CERAMIC	GRM42-6 CH 060D 500PT	
C38	4030011210	S.CERAMIC S.CERAMIC	GRM42-6 CH 330J 500PT GRM42-6 CH 180J 500PT	
C39 C40	4030011170 4030011170	S.CERAMIC S.CERAMIC	GRM42-6 CH 180J 500PT	
C41	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A	
C42	4030007040 4030006860	S.CERAMIC S.CERAMIC	C1608 CH 1H 180J-T-A C1608 JB 1H 102K-T-A	
C43 C66	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C67	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C68	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A	
C69 C70	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N	
C71	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C72	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C73 C75	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N	
C76	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C77	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C78 C79	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C80	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C81	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C82 C83	4510004600 4030008920	S.CERAMIC	16 MV 1000 HC C1608 JB 1C 473K-T-A	
C84	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C89	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C90 C91	4030011600 4510004590	S.CERAMIC ELECTROLYTIC	C1608 JB 1C 104KT-N 16 MV 470 HC	
C92	4510004590	ELECTROLYTIC	16 MV 470 HC	
C93	4030008920	S.CERAMIC	C1608 JB 1C 473K-T-A	
C94 C95	4030006880 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1C 104KT-N	
C99	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C105	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C106 C110	4030006860 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A	
C112	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C115	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C116 C117	4030006860 4030011760	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A GRM44-1 SL 682J 200PT	
C118	4030011760	S.CERAMIC	GRM44-1 SL 682J 200PT	
C126	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C128 C130	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A	
C131	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C134	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C138 C139	4320001050 4320001080	S.MICA S.MICA	UC342H 3900J-T UC342H 4700J-T	
C143	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C144	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C145 C146	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N	
C148	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
C157	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N	
C158 C161	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N	
C167	4030011790	S.CERAMIC	GRM44-1 Y5V 684Z 100PT	
C168	4010006900	CERAMIC	HE80SJ YB 472K 50V GRM42-6 W5R 102K 500PT	
C169 C170	4030011260	S.CERAMIC S.CERAMIC	GRM44-1 Y5V 684Z 100PT	
C171	4030011260	S.CERAMIC	GRM42-6 W5R 102K 500PT	
C172	4030011260	S.CERAMIC S.CERAMIC	GRM42-6 W5R 102K 500PT GRM44-1 Y5V 684Z 100PT	
C173 C179	4030011790	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A	
C180	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
C188	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 CH 1H 120J-T-A	
C189 C190	4030007020	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A	
C193	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C194	4030009510	S.CERAMIC S.CERAMIC	C1608 CH 1H 010B-T-A C1608 JB 1H 472K-T-A	
C195 C196	4030006880 4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-1-A C1608 JB 1H 102K-T-A	
C197	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
C198	4030006860	S.CERAMIC S.CERAMIC	C1608 JB 1H 102K-T-A C1608 JB 1H 102K-T-A	
C199 C200	4030006860 4030006850	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A	
C201	4030006980	S.CERAMIC	C1608 CH 1H 070D-T-A	
C204	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	

# [PA UNIT]

REF NO.	ORDER NO.		DESCRIPTION
C205	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C206	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C225	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C226	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C227 C228	4030011600 4510003910	S.CERAMIC ELECTROLYTIC	C1608 JB 1C 104KT-N 16 MV 47 HW
C229	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C230	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C231	4030011240	S.CERAMIC	GRM42-6 CH 470J 500PT
C235	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT
C236	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT
C237	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT
C238 C240	4030011260 4030012480	S.CERAMIC S.CERAMIC	GRM42-6 W5R 102K 500PT GRM42-6 CH 121J 500PT
C242	4610001580	TRIMMER	CVD30-41 30P
C244	4030012480	S.CERAMIC	GRM42-6 CH 121J 500PT
C245	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C246	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C247	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C248 C250	4030011600 4510003910	S.CERAMIC	C1608 JB 1C 104KT-N 16 MV 47 HW
C250	4030011600	ELECTROLYTIC S.CERAMIC	C1608 JB 1C 104KT-N
C253	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C255	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C256	4510004590	ELECTROLYTIC	16 MV 470 HC
C259	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C261 C262	4030011740 4010005360	S.CERAMIC	GRM42-2 CH 201J 500PT
C262	4030006860	CERAMIC S.CERAMIC	HM11SJ SL 301J 500V C1608 JB 1H 102K-T-A
C265	4030006860	S.CERAMIC	C1608 CH 1H 090D-T-A
C266	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A
C267	4030007000	S.CERAMIC	C1608 CH 1H 090D-T-A
C270	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT
C271	4030011730	S.CERAMIC	GRM42-6 CH 101J 500PT
C272 C273	4030011730 4030011600	S.CERAMIC S.CERAMIC	GRM42-6 CH 101J 500PT C1608 JB 1C 104KT-N
C274	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C275	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C276	4010005880	CERAMIC	HM95SJ SL 271J 500V
C278	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C279	4030011740	S.CERAMIC	GRM42-2 CH 201J 500PT
C281 C283	4030011740	S.CERAMIC	GRM42-2 CH 201J 500PT
C284	4510003910 4030011600	S.CERAMIC	16 MV 47 HW C1608 JB 1C 104KT-N
C285	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C287	4010005680	CERAMIC	HM60SJ SL 270J 500V
C288	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C289	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C290 C291	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C292	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C295	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C296	4010005700	CERAMIC	HM60SJ SL 330J 500V
C297	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C298	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C299 C300	4030011600 4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N
C300	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1C 104KT-N
C305	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C306	4030011740	S.CERAMIC	GRM42-2 CH 201J 500PT
C307	4030011740	S.CERAMIC	GRM42-2 CH 201J 500PT
C308	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C309 C310	4030011600 4030011600	S.CERAMIC	C1608 JB 1C 104KT-N
C310	4030011600	S.CERAMIC S.CERAMIC	C1608 JB 1C 104KT-N C1608 JB 1H 472K-T-A
C312	4030006850	S.CERAMIC	C1608 JB 1H 472K-1-A C1608 JB 1H 471K-T-A
C313	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C314	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C315	4030011260	S.CERAMIC	GRM42-6 W5R 102K 500PT
RL2	6330001060	RELAY	APQ 3311
RL3	6330001430	RELAY	NA-12W-K
CP20	6910009670	S.CHECK P	HK3-S-T
CP21	6910009670	S.CHECK P	HK3-S-T
F1	5210000130	FUSE	FGB 4A
F2 F3	5220000020 5220000020	HOLDER HOLDER	S-N5051 S-N5051

# [PA UNIT]

REF	ORDER		
NO.	NO.		DESCRIPTION
J1	6510007020	CONNECTOR	TMP-J01X-V6
J2	6510009930	CONNECTOR	PD054-08M
J3 J4	6510009890	CONNECTOR	PD054-04M
J5	6510009900 6510009920	CONNECTOR	PD054-05M PD054-07M
J6	6510009890	CONNECTOR	PD054-04M
J8	6450000140	CONNECTOR	HSJ0807-01-010
J11	6510007900	CONNECTOR	TBP-P01X-A1
J12	6510007900	CONNECTOR	TBP-P01X-A1
J14	6510018960	S.CONNECTOR	B2B-PH-SM3-TB
J15	6510003080	CONNECTOR	RT01T-1.0B
J19	6510001920	CONNECTOR	1490R
W50	7100000010	U MARER	IDIAL OO A
W50 W51	7120000010 7120000010	JUMPER JUMPER	JPW 02A JPW 02A
W52	7030000010	S.JUMPER	MCR10EZHJ JPW (000)
11102	7030000010	S.OOWI LIT	[EUR], [USA]
	7120000380	JUMPER	JPW 01 R-01 [FRA], [DEN]
W53	7120000010	JUMPER	JPW 02A
WS1	8970022461	OTHER	(1)/PA
WS2	8600035650	OTHER	P08PA
WS3	8600035661	OTHER	P04×J02×04PA-1
WS4	8600035670	OTHER	P03×05×J05×06PA
WS5	8970022471	OTHER	(2)/PA
WS6	8970022480	OTHER	(2)/PA
WS7	8600035681	OTHER	J03×19PA-1
	00400405:5	200	D (COOL)
EP1	0910048518	PCB	B 4920H
EP2 EP5	6910000610	BEAD	FSOH050RN01
EP6	6910000610	BEAD BEAD	FSOH050RN01
EP7	6910000610	BEAD	FSOH050RN01 FSOH050RN01
EP14	9036505001	TUBE	0.7 (d) L=15 (mm)
EP15	9036505001	TUBE	0.7 (d) L=15 (mm)
EP16	9036505001	TUBE	0.7 (d) L=15 (mm)
EP17	6910000600	BEAD	FSOH050RN
EP18	6910000600	BEAD	FSOH050RN
EP19	6910000600	BEAD	FSOH050RN
EP20	9018970370	TUBE	20 (d) L=25 (mm)

#### [FILTER BOARD]

f	K BOARD		
REF NO.	ORDER NO.	DES	CRIPTION
IC1	1110002700	S.IC	NJM2904M-T1
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	1530002060 1590002310 1590002310 1590002310 1590002310 1590002310 1590002310 1590002310 1590002310	S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR S.TRANSISTOR	2SC4081 T107 R DTC114EE TL 2SC4213-B (TE85R) DTC114EE TL
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15	1160000140 1160000140 1160000140 1160000140 1160000140 1160000140 1160000140 1790000490 1790000490 1160000140 1160000140 1160000140 1160000140 1160000140	S.DIODE	DAP222 TL HSM88AS-TR HSM88AS-TR DAP222 TL

# [FILTER BOARD]

# [FILTER BOARD]

D16	REF NO.	ORDER NO.		DESCRIPTION	H A
D18	D16				R1
D190         1160000140         S.DIODE         DAP222 TL           D20         1160000140         S.DIODE         DAP222 TL           D21         1160000140         S.DIODE         DAP222 TL           D23         1160000140         S.DIODE         DAP222 TL           D23         1160000140         S.DIODE         DAP222 TL           L2         1160000140         S.DIODE         DAP222 TL           L1         6110001630         COIL         LA-236           L2         6110001630         COIL         LA-246           L3         6180000900         COIL         LA-215           L4         6180000900         COIL         LA-215           L6         6110002230         COIL         LA-215           L7         6110002230         COIL         LA-215           L7         6110002300         COIL         LA-215           L7         6110002300         COIL         LA-216           L1         6140001800         COIL         LR-216 (T50-2)           L11         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         NI. 3225227-101J           L14         6110002	1				R1
D20					R1
D22	3				R2
D22			+·-·-		R2
D24			l .		R2
L1			ł		R3
L2	D24	1160000140	S.DIODE	DAP222 TL	R3
L2					R3
L2	, ,	0440004500	0011	1 4 000	R3
L3         6180000900         COIL         LAL 03NA 101K           L5         6110002230         COIL         LA-215           L6         6110002230         COIL         LA-215           L7         6110002220         COIL         LA-215           L7         6110002220         COIL         LA-214           L8         6180009090         COIL         LAL 03NA 101K           L9         6200003260         S.COIL         NL 322522T-101J           L10         6140001800         COIL         LR-216 (T50-2)           L11         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         NL 322522T-101J           L13         6200003260         S.COIL         NL 322522T-101J           L15         6110002890         COIL         LA-479           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         COIL         LR-293 (T50-10)           L21         6200003260         S.COIL         NL 322522T-101J <td></td> <td></td> <td></td> <td></td> <td>R3</td>					R3
L4         618000900         COIL         LAL 03NA 101K           L5         6110002230         COIL         LA-215           L6         6110002230         COIL         LA-215           L7         6110002230         COIL         LA-214           L8         6180009300         COIL         LAL 03NA 101K           L9         620003260         S.COIL         NL 322522T-101J           L10         6140001800         COIL         LR-216 (T50-2)           L12         620003260         S.COIL         NL 322522T-101J           L13         6200003260         S.COIL         NL 322522T-101J           L14         611000290         COIL         LA-479           L15         6110002900         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         620003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L21         620003260         S.COIL         NL 322522T-101J           L21         620003260         S.COIL         NL 322522T-101J           L22         6110002920         COIL         LA-481					R3
L5			1		R3
L7         6110002220         COIL         LA-214           L8         6180000900         COIL         LAL 03NA 101K           L9         6200003260         S.COIL         NL 322522T-101J           L10         6140001800         COIL         LR-216 (T50-2)           L11         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         NL 322522T-101J           L13         6200003260         S.COIL         LA-479           L15         6110002890         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L20         620003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002920         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6200003260         S.COIL         NL 3225	L5	6110002230	COIL	LA-215	R4
L8         6180009900         COIL         LAL 03NA 101K           L9         6200003260         S.COIL         LR-216 (T50-2)           L10         6140001800         COIL         LR-216 (T50-2)           L11         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         NL 322522T-101J           L14         6110002890         COIL         LA-479           L15         6110002890         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         COIL         LR-293 (T50-10)           L21         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         L					R4
L9         6200003260 6140001800 COIL         COIL LR-216 (T50-2)           L11         6140001800 6140001800 COIL         COIL LR-216 (T50-2)           L12         6200003260 6200003260 COIL         S.COIL LA-478           L14         6110002890 6110002890 COIL         COIL LA-478           L16         6200003260 6200003260 S.COIL         NL 322522T-101J           L17         6200003260 6200003260 COIL LR-293 (T50-10)         COIL LR-293 (T50-10)           L19         6140002560 COIL LR-293 (T50-10)         COIL LR-293 (T50-10)           L20         6200003260 COIL COIL LA-481         S.COIL LA-480           L21         6200003260 COIL COIL LA-480         S.COIL COIL LA-480           L24         6200003260 S.COIL COIL LA-480         S.COIL COIL LR-216 (T50-2)           L25         6200003260 S.COIL COIL LR-216 (T50-2)         S.COIL COIL LR-216 (T50-2)           L26         6140001800 COIL LR-216 (T50-2)         COIL LR-216 (T50-2)           L27         6140001760 GOIL COIL LR-216 (T50-2)         S.COIL LR-216 (T50-2)           L30         6140002580 S.COIL LR-216 (T50-2)         S.COIL LR-216 (T50-2)           L31         6140002580 S.COIL LR-296 (T50-2)         S.COIL LR-296 (T50-2)           L31         6140002580 S.COIL LR-296 (T50-2)         S.COIL LR-297 (TR10X5X5 3A6)           L32			ı		R4.
L10         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         LR-216 (T50-2)           L13         6200003260         S.COIL         NL 322522T-101J           L14         6110002900         COIL         LA-479           L15         6110002900         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-481           L23         6110002920         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         614001800         COIL         LR-216 (T50-2)           L27         614000170         COIL         LR-296 (			ľ		R4
L11         6140001800         COIL         LR-216 (T50-2)           L12         6200003260         S.COIL         NL 322522T-101J           L14         6110002890         COIL         LA-478           L15         6110002890         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         LR-214 (T50-2)           L27         6140002580         S.COIL         NL 322522T-101J           L28         6200003260         S.COIL         NL 322522T-101J           L30         6140002550         COIL					
L12         6200003260         S.COIL         NL 3225227-101J           L13         6200003260         S.COIL         NL 3225227-101J           L14         6110002900         COIL         LA-478           L16         6200003260         S.COIL         NL 3225227-101J           L17         6200003260         S.COIL         NL 3225227-101J           L18         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 3225227-101J           L21         6200003260         S.COIL         NL 3225227-101J           L21         6200003260         S.COIL         NL 3225227-101J           L22         6110002910         COIL         LA-481           L23         6110002910         COIL         LA-481           L24         6200003260         S.COIL         NL 3225227-101J           L25         6200003260         S.COIL         NL 3225227-101J           L26         614001800         COIL         LR-214 (T50-2)           L27         6140001780         COIL         LR-294 (T50-2)           L28         6200003260         S.COIL         NL 3225227-101J           L33         6140002570         COIL					C1
L14         6110002900         COIL         LA-479           L15         6110002890         COIL         LA-478           L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002920         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L33         6140002570         COIL         LR-296 (T50-2)           L31         6140002500         COIL         LR-295 (T50-2)           L33         6140002500         COIL <t< td=""><td>1</td><td></td><td></td><td>, ,</td><td>C2</td></t<>	1			, ,	C2
L15         6110002890         COIL         LA-478           L16         6200003260         S.COIL         NI. 322522T-101J           L17         6200003260         S.COIL         NI. 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NI. 322522T-101J           L21         6200003260         S.COIL         NI. 322522T-101J           L22         6110002910         COIL         LA-481           L23         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NI. 322522T-101J           L25         6200003260         S.COIL         NI. 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-216 (T50-2)           L28         6200003260         S.COIL         NI. 322522T-101J           L29         6200003260         S.COIL         NI. 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         S.COIL         NI. 322522T-101J           L33         6140002560         S.COIL </td <td>L13</td> <td>6200003260</td> <td>S.COIL</td> <td>NL 322522T-101J</td> <td>C3</td>	L13	6200003260	S.COIL	NL 322522T-101J	C3
L16         6200003260         S.COIL         NL 322522T-101J           L17         6200003260         COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         620003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-216 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L33         6140002600         S.COIL         NL 322522T-101J           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         S.C			1		C4
L17         6200003260         S.COIL         NL 322522T-101J           L18         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002920         COIL         LA-481           L23         6110002910         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         614000180         COIL         LR-214 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         S.COIL         NL 322522T-101J           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002580         S.COIL         NL 322522T-101J           L34         6200003260         S.COIL<			3		C5
L18         6140002560         COIL         LR-293 (T50-10)           L19         6140002560         S.COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002570         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002580         COIL         LR-295 (T50-2)           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         <			l .		C6
L19         6140002560         COIL         LR-293 (T50-10)           L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002910         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-294 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002580         COIL         LR-295 (T810)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL <td></td> <td></td> <td></td> <td></td> <td>C8</td>					C8
L20         6200003260         S.COIL         NL 322522T-101J           L21         6200003260         S.COIL         NL 322522T-101J           L22         6110002920         COIL         LA-481           L23         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         LR-214 (T50-2)           L27         6140001780         COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10xSX5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         204000490         COIL         EXC-ELDR25C           L36         620003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL					C9
L22         6110002910         COIL         LA-481           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-216 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         S.COIL         NL 322522T-101J           L33         6140002600         COIL         EXC-ELDR25C           L34         6200003260         S.COIL         NL 322522T-101J           L39         204000490         COIL         EXC-ELDR25C           L41         2040000490         COIL<				, ,	C1
L23         6110002910         COIL         LA-480           L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L39         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL </td <td>L21</td> <td>6200003260</td> <td>S.COIL</td> <td>NL 322522T-101J</td> <td>C1</td>	L21	6200003260	S.COIL	NL 322522T-101J	C1
L24         6200003260         S.COIL         NL 322522T-101J           L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001780         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         2040000490         S.COI					C1:
L25         6200003260         S.COIL         NL 322522T-101J           L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002580         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COI					C1
L26         6140001800         COIL         LR-216 (T50-2)           L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COI	1		i		C1
L27         6140001780         COIL         LR-214 (T50-2)           L28         6200003260         S.COIL         NL 3225227-101J           L29         6200003260         S.COIL         NL 3225227-101J           L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 3225227-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 3225227-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 3225227-101J           L37         6200003260         S.COIL         NL 3225227-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 3225227-101J           L46         6200003260         S.COIL </td <td></td> <td></td> <td></td> <td></td> <td>C1</td>					C1
L28         6200003260         S.COIL         NL 322522T-101J           L29         6200003260         S.COIL         NL 322522T-101J           L31         6140002570         COIL         LR-294 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         204000490         COIL         EXC-ELDR25C           L37         620003260         S.COIL         NL 322522T-101J           L39         204000490         COIL         EXC-ELDR25C           L41         204000490         COIL         EXC-ELDR25C           L42         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S				• •	C1
L30         6140002570         COIL         LR-294 (T50-2)           L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         204000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L39         204000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL			•		C1
L31         6140002580         COIL         LR-295 (T50-2)           L32         6200003260         S.COIL         NL 322522T-101J           L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         204000490         COIL         EXC-ELDR25C           L41         204000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         S.COIL         NL 322522T-101J           L51         2040000490         S.COIL <td>L29</td> <td>6200003260</td> <td>i .</td> <td></td> <td>C1</td>	L29	6200003260	i .		C1
L32         6200003260         S.COIL         NL 322522T-101J           L33         6140002600         S.COIL         NL 322522T-101J           L34         6200003260         S.COIL         NL 322522T-101J           L35         204000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         204000490         COIL         EXC-ELDR25C           L41         204000490         COIL         EXC-ELDR25C           L42         204000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         EXC-ELDR25C           L54         6200003260         S.COIL					C2
L33         6140002600         COIL         LR-297 (TR10X5X5 3A6)           L34         6200003260         S.COIL         NL 322522T-101J           L35         204000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         204000490         COIL         EXC-ELDR25C           L42         204000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL					C2
L34         6200003260         S.COIL         NL 322522T-101J           L35         2040000490         S.COIL         NL 322522T-101J           L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL<					C2
L35         2040000490         COIL         EXC-ELDR25C           L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         2040000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL			ł.		C2
L36         6200003260         S.COIL         NL 322522T-101J           L37         6200003260         S.COIL         NL 322522T-101J           L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         S.COIL         NL 322522T-101J           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L56         6200003260         S.COIL         NL 322522T-101J           L56         6200003260         S.COIL         NL 322522T-101J           L59         2040000490         S.COI					C2
L39         2040000490         COIL         EXC-ELDR25C           L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         204000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-10J           L56         6200001830         S.COIL         NL 322522T-10J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         <	L36	6200003260	S.COIL	NL 322522T-101J	C2
L41         2040000490         COIL         EXC-ELDR25C           L42         2040000490         COIL         EXC-ELDR25C           L43         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L57         6200003260         S.COIL         NL 322522T-10J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL					C2
L42         2040000490         COIL         EXC-ELDR25C           L43         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         2040000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L56         6200003260         S.COIL         NL 322522T-101J           L57         6200003260         S.COIL         NL 322522T-101J           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490 <td< td=""><td></td><td></td><td></td><td></td><td>C2</td></td<>					C2
L43         2040000490         COIL         EXC-ELDR25C           L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L56         6200003260         S.COIL         NL 322522T-101J           L57         6200003260         S.COIL         NL 322522T-101J           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         204000490         S.COIL         NL 322522T-101J           L62         6200003260					C2 C3
L44         6200003260         S.COIL         NL 322522T-101J           L45         6200003260         S.COIL         NL 322522T-101J           L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-10J           L56         6200003260         S.COIL         NL 322522T-10J           L57         6200003260         S.COIL         NL 322522T-10J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L61         204000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL					C3
L46         6200003260         S.COIL         NL 322522T-101J           L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         NL 322522T-101J           L51         2040000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L57         6200003260         S.COIL         NL 322522T-100J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003560					C3
L47         6200003260         S.COIL         NL 322522T-101J           L48         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         S.COIL         NL 322522T-101J           L51         2040000490         COIL         LR-293 (T50-10)           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         S.COIL         NL 322522T-101J           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         EXC-ELDR25C           L63         6180000880         COIL         LAL 03NA 100K           R2         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R84         7030003560	L45	6200003260	S.COIL	NL 322522T-101J	C3
L48         6200003260         S.COIL         NL 322522T-101J           L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         204000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-100J           L56         6200001830         S.COIL         NL 322522T-100J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         IX 322522T-101J           COIL         LAL 03NA 100K         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         703003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R6         7030003440<					C3
L49         6200003260         S.COIL         NL 322522T-101J           L50         6140002560         COIL         LR-293 (T50-10)           L51         2040000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-100J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         EXC-ELDR25C           L64         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R5         7030003440         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R6         7030003640					C3
L50         6140002560 L51         COIL COIL EXC-ELDR25C           L51         2040000490 COIL EXC-ELDR25C           L54         6200003260 S.COIL NL 322522T-101J           L55         6200003260 S.COIL NL 322522T-100J           L57         6200003260 S.COIL NL 322522T-101J           L58         2040000490 COIL EXC-ELDR25C           L59         2040000490 COIL EXC-ELDR25C           L60         6200003260 S.COIL NL 322522T-101J           L61         2040000490 COIL EXC-ELDR25C           L62         6200003260 S.COIL NL 322522T-101J           L63         6180000880 COIL LAL 03NA 100K           R2         7030007190 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)           R4         7030003560 S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)           R5         7030003440 S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680 S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)					C3
L51         2040000490         COIL         EXC-ELDR25C           L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-100J           L56         6200001830         S.COIL         NL 322522T-100J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030003560         S.RESISTOR         ERJ12YJ220H (22 Ω)           R4         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R5         7030003440         S.RESISTOR         ERJ3GEYJ 103 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)					C3
L54         6200003260         S.COIL         NL 322522T-101J           L55         6200003260         S.COIL         NL 322522T-101J           L56         6200003260         S.COIL         NL 322522T-100J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         703000340         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)				, ,	C3
L56         6200001830         S.COIL         NL 322522T-100J           L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003440         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)		1			C4
L57         6200003260         S.COIL         NL 322522T-101J           L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)	L55	6200003260	S.COIL	NL 322522T-101J	C4
L58         2040000490         COIL         EXC-ELDR25C           L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         204000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003440         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R5         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		l			C4
L59         2040000490         COIL         EXC-ELDR25C           L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)					C4
L60         6200003260         S.COIL         NL 322522T-101J           L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R4         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)					C4
L61         2040000490         COIL         EXC-ELDR25C           L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R5         7030003440         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 104 V (100 kΩ)		l	1		C4
L62         6200003260         S.COIL         NL 322522T-101J           L63         6180000880         COIL         LAL 03NA 100K           R2         7030007190         S.RESISTOR         ERJ12YJ220H (22 Ω)           R3         7030003560         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R5         7030003440         S.RESISTOR         ERJ3GEYJ 103 V (10 kΩ)           R6         7030003640         S.RESISTOR         ERJ3GEYJ 102 V (1 kΩ)           R7         7030003680         S.RESISTOR         ERJ3GEYJ 473 V (47 kΩ)           R7         R7         R7         R7         ERJ3GEYJ 104 V (100 kΩ)		3			C4
R2     7030007190     S.RESISTOR     ERJ12YJ220H (22 Ω)       R3     7030003560     S.RESISTOR     ERJ3GEYJ 103 V (10 kΩ)       R4     7030003560     S.RESISTOR     ERJ3GEYJ 103 V (10 kΩ)       R5     7030003440     S.RESISTOR     ERJ3GEYJ 102 V (1 kΩ)       R6     7030003640     S.RESISTOR     ERJ3GEYJ 473 V (47 kΩ)       R7     7030003680     S.RESISTOR     ERJ3GEYJ 104 V (100 kΩ)		l	1		C4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	L63	6180000880	COIL	LAL 03NA 100K	C4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Do.		0.0000000	mm 1407/100011/05 =:	C5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		l	l .		C5
R5       7030003440       S.RESISTOR       ERJ3GEYJ 102 V (1 kΩ)         R6       7030003640       S.RESISTOR       ERJ3GEYJ 473 V (47 kΩ)         R7       7030003680       S.RESISTOR       ERJ3GEYJ 104 V (100 kΩ)		B .			C5
R6			1		C5
R7 7030003680 S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)		ı	l .		C5
R8   7540000130   ABSORBER   2P-50A-301					C5
1	R8	7540000130	ABSORBER	2P-50A-301	C5
R9 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω)			ł		C5
R10 7030003320 S.RESISTOR ERJ3GEYJ 101 V (100 Ω)		1			C5
R11		3	1		C6

REF	ORDER		DESCRIPTION
NO.	NO.		
R15	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R16	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)
R17	7030003440	S.RESISTOR S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R18 R26	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω) ERJ3GEYJ 103 V (10 kΩ)
R27	7030003560 7030003440	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)
R28	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R32	7030003440	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R33	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R34	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R35	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R36	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R37	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R38	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R39	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R40	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)
R41	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)
R42	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
R43	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)
C1	4030007070	S.CERAMIC	C1608 CH 1H 330J-T-A
C2	4030011540	S.CERAMIC	C1608 CH 1H 750J-T-A
C3	4030007100	S.CERAMIC	C1608 CH 1H 560J-T-A
C4	4030007030	S.CERAMIC	C1608 CH 1H 150J-T-A
C5	4030007080	S.CERAMIC	C1608 CH 1H 390J-T-A
C6	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C7	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C8	4010005700	CERAMIC	HM60SJ SL 330J 500V
C9	4010005570	CERAMIC	HM60SJ SL 060D 500V
C10	4010005770	CERAMIC	HM60SJ SL 820J 500V
C11	4010005630	CERAMIC	HM60SJ SL 150J 500V
C12	4010005760	CERAMIC	HM60SJ SL 750J 500V
C13	4010005700	CERAMIC	HM60SJ SL 330J 500V HM60SJ SL 220J 500V
C14 C15	4010005660 4030006880	CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A
C16	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C17	4010005360	CERAMIC	HM11SJ SL 301J 500V
C18	4010005780	CERAMIC	HM60SJ SL 101J 500V
C19	4010007590	CERAMIC	HM15SJ SL 681J 500V
C20	4010005700	CERAMIC	HM60SJ SL 330J 500V
C21	4010005930	CERAMIC	HM11SJ SL 391J 500V
C22	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C23	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C24	4010005750	CERAMIC	HM60SJ SL 680J 500V
C25	4010005620	CERAMIC	HM60SJ SL 120J 500V
C26	4010005780	CERAMIC	HM60SJ SL 101J 500V
C27	4010005700	CERAMIC	HM60SJ SL 330J 500V
C28	4010005750	CERAMIC	HM60SJ SL 680J 500V
C29	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C30 C31	4030006880 4010007610	CERAMIC	HM95SJ SL 241J 500V
C32	4010007610	CERAMIC	HM74SJ SL 111J 500V
C33	4010005880	CERAMIC	HM95SJ SL 271J 500V
C34	4010005740	CERAMIC	HM60SJ SL 560J 500V
C35	4010005780	CERAMIC	HM60SJ SL 101J 500V
C36	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C37	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C38	4010005770	CERAMIC	HM60SJ SL 820J 500V
C39	4010005640	CERAMIC	HM60SJ SL 180J 500V
C40	4010005880	CERAMIC	HM95SJ SL 271J 500V
C41	4010005720	CERAMIC	HM60SJ SL 390J 500V
C42	4010005830	CERAMIC	HM74SJ SL 151J 500V
C43	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A
C44 C45	4030006880 4010005930	S.CERAMIC CERAMIC	HM11SJ SL 391J 500V
C45	4010005930	CERAMIC	HM13SJ SL 331J 500V
C47	4010005100	CERAMIC	HM95SJ SL 221J 500V
C48	4010005870	CERAMIC	HM74SJ SL 111J 500V
C49	4010007490	CERAMIC	HM15SJ SL 561J 500V
C50	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C51	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C52	4010007500	CERAMIC	HM15SJ SL 751J 500V
C53	4010006410	CERAMIC	HM13SJ SL 471J 500V
C54	4010007500	CERAMIC	HM15SJ SL 751J 500V
C55	4010005820	CERAMIC	HM74SJ SL 121J 500V
C56	4010007500	CERAMIC	HM15SJ SL 751J 500V
C57	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A
C58	4610002050	S.TRIMMER	ECR-JC010 A12W
C59 C62	4030007160 4030010760	S.CERAMIC S.CERAMIC	C1608 CH 1H 181J-T-A C1608 CH 1H 331J-T-A
C62	4030010760	S.CERAMIC	C1608 CH 1H 331J-T-A
L	1,000010700	L C.O.L.IAWIO	S –Surface mount

# [FILTER BOARD]

ĺ	REF NO.	ORDER NO.		DESCRIPTION	
ľ	C64	4030007090	S.CERAMIC	C1608 CH 1H 470J-T-A	
l	C65	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
l	C66	4030006850	S.CERAMIC	C1608 JB 1H 471K-T-A	
١	C67 C69	4030006850 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 471K-T-A	
l	C70	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
l	C71	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C72	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	C73	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C74 C75	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A	
١	C76	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
	C78	4010005850	CERAMIC	HM95SJ SL 181J 500V	
l	C79	4010005860	CERAMIC	HM95SJ SL 201J 500V	
l	C80	4010007590	CERAMIC	HM15SJ SL 681J 500V	
l	C81 C82	4010006410 4010007500	CERAMIC CERAMIC	HM13SJ SL 471J 500V	
l	C84	4010007490	CERAMIC	HM15SJ SL 751J 500V HM15SJ SL 561J 500V	
l	C87	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
۱	C88	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C89	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C90	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
١	C91 C92	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
١	C93	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
١	C94	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C95	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
ı	C96	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C97 C98	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C99	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
١	C100	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C101	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
l	C102	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C103 C104	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
١	C104	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
l	C110	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C111	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C112	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C113	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C114 C115	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
ı	C116	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C117	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
ı	C118	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C119	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C120 C121	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C122	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
l	C123	4030009110	S.CERAMIC	C3216 JB 1C 474K-T-A	
l	C124	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
l	C125	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
	C126 C127	4030011600 4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
	C132	4010005640	S.CERAMIC CERAMIC	C1608 JB 1C 104KT-N HM60SJ SL 180J 500V	
I	C133	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
١	C134	4010005780	CERAMIC	HM60SJ SL 101J 500V	
١	C135	4010005820	CERAMIC	HM74SJ SL 121J 500V	
١	C136 C137	4030001420 4010005770	S.CERAMIC CERAMIC	GR44 Y5V 684Z	
l	C140	4030006860	S.CERAMIC	HM60SJ SL 820J 500V C1608 JB 1H 102K-T-A	
l	C141	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
l	C143	4010006410	CERAMIC	HM13SJ SL 471J 500V	
ı	C144	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
l	C145	4030006880	S.CERAMIC	C1608 JB 1H 472K-T-A	
	C146 C147	4030006880 4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A	
	C147	4030006880	S.CERAMIC S.CERAMIC	C1608 JB 1H 472K-T-A C1608 JB 1H 472K-T-A	
	C149	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
	C150	4030011600	S.CERAMIC	C1608 JB 1C 104KT-N	
	C151	4010005540	CERAMIC	HM60SJ SL 030C 500V	
	C152	4030006860	S.CERAMIC	C1608 JB 1H 102K-T-A	
1	i		DELAY	AC 201244	
١	RL1	6330001330	RELAY	AG 201344	
	RL2	6330001430	RELAY	NA-12W-K	
	RL2 RL3	6330001430 6330001430	RELAY RELAY	NA-12W-K NA-12W-K	
	RL2 RL3 RL4	6330001430 6330001430 6330001320	RELAY RELAY RELAY	NA-12W-K NA-12W-K AHY103	
	RL2 RL3	6330001430 6330001430	RELAY RELAY	NA-12W-K NA-12W-K	

# [FILTER BOARD]

REF	ORDER		
NO.	NO.		DESCRIPTION
RL8	6330001320	RELAY	AHY103
RL9 RL10	6330001320 6330001320	RELAY RELAY	AHY103 AHY103
RL11	6330001320	RELAY	AHY103
RL12	6330001320	RELAY	AHY103
RL13	6330001320	RELAY	AHY103
RL14 RL15	6330001320 6330001320	RELAY	AHY103
RL16	6330001320	RELAY RELAY	AHY103 AHY103
1.2.0	0000001020	HEEAI	ATTTOO
J1	6510007900	CONNECTOR	TBP-P01X-A1
J2	6510007900	CONNECTOR	TBP-P01X-A1
J4	6450001490	CONNECTOR	HLJ7001-01-3010
J5	6450001640	CONNECTOR	TCS5044-01-4111
J7 J8	6450001650 6450001660	CONNECTOR	HSJ0836-01-500
J9	6510020080	S.CONNECTOR	EX345GLB 52808-2090
J10	6510009870	CONNECTOR	PD054-02M
J11	6510016170	CONNECTOR	52018-8835
J12	6510019970	S.CONNECTOR	52808-1090
J13	6510003250	CONNECTOR	TMP-J01X-A2
	:		
P1 P2	6510003240 6510003240	CONNECTOR	TMP-P01X-A1 TMP-P01X-A1
P3	6510018980	CONNECTOR	PHR-2
W1	7120000010	JUMPER	JPW 02A
W15	7030003860	S.JUMPER	ERJ3GE JPW V
W16	7030003860	S.JUMPER	ERJ3GE JPW V
W17	7030003860	S.JUMPER	ERJ3GE JPW V
W18	7120000010	JUMPER	JPW 02A
WS1	8970022491		(2)/FI
WS2	8600035690		P03×J10FI
EP1	0910048525	PCB	B 4921E
	:		
	:		
			=

# SECTION 6 MECHANICAL PARTS AND DISASSEMBLY

#### [CHASSIS PARTS]

BEF. NO.   ORDER NO.   DESCRIPTION   QTY	<u> </u>			
J4	REF. NO.	ORDER NO.	DESCRIPTION	QTY.
W1         8900006050         Flat Cable OPC-594         1           W2         8900006050         Flat Cable OPC-692         1           W3         8900006150         Flat Cable OPC-602         1           EP1         8930021010         Dormed plug DP-500         1           EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 fan guard         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 × 8 NI         1           MP10         8930018520         TR.clip (A)         1           MP11         8930036980         1691 earth spring         1           MP17         8930036980         1691 earth plate         1           MP20         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP21         8810009410 <t< td=""><td>J3</td><td>6510000370</td><td>Connector MR-DS [ANT1]</td><td></td></t<>	J3	6510000370	Connector MR-DS [ANT1]	
W2         8900006050         Flat Cable OPC-595         1           W3         8900006150         Flat Cable OPC-602         1           EP1         8930021010         Domed plug DP-500         1           EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           MF1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         811000660         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover         1           MP7         8930043950         Flange bolt M4 × 8 NI         1           MP10         8930015850         SP net         1           MP11         8930015850         SP net         1           MP12         8950004180         1691 contact base(A)         1           MP15         893003980         1691 earth plate         1           MP17         8930037000         1691 earth plate         1           MP21         881000830         Screw PH BT M3 × 6 NI-ZU         5           MP22         885000140         Screw PH B	J4	6510000370	Connector MR-DS [ANT2]	1
W2         8900006050         Flat Cable OPC-595         1           W3         8900006150         Flat Cable OPC-602         1           EP1         8930021010         Domed plug DP-500         1           EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           MF1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         811000660         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover         1           MP7         8930043950         Flange bolt M4 × 8 NI         1           MP10         8930015850         SP net         1           MP11         8930015850         SP net         1           MP12         8950004180         1691 contact base(A)         1           MP15         893003980         1691 earth plate         1           MP17         8930037000         1691 earth plate         1           MP21         881000830         Screw PH BT M3 × 6 NI-ZU         5           MP22         885000140         Screw PH B	1474	9000006050	Flot Coble ODC 504	1
W3         8900006150         Flat Cable OPC-602         1           EP1         8930021010         Domed plug DP-500         1           EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover         1           MP7         8930043950         1897 fan guard         1           MP7         8930043950         Flange bolt M4 × 8 NI         1           MP10         8930015850         SP net         1           MP11         8930036980         Flange bolt M4 × 8 NI         1           MP12         8950004180         1691 earth spring         1           MP13         8930036980         1691 earth spring         1           MP14         8930036980         1691 earth spring         1           MP21         881000801         Screw PH BT M3 × 6 NI-ZU         5           MP22         8810009020		1		l .
EP1         8930021010         Domed plug DP-500         1           EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 fan guard         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 × 8 NI         1           MP10         8930015850         TR-clip (A)         1           MP11         8930016520         TR-clip (A)         1           MP12         8930036980         1691 earth spring         1           MP13         893003700         1691 earth plate         1           MP14         893003700         1691 earth plate         1           MP20         881000830         Screw H BT M3 × 6 NI-ZU         5           MP21         881000830         Screw H BT M3 × 6 NI-ZU         5           MP22         8850000140         Sc				1
EP2         0910045921         Flexible PCB B-4598A         1           MF1         2710000580         Fan FBA06T12HF         1           SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 topper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 × 8 NI         1           MP10         8930018520         TR.clip (A)         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 carth spring         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP20         8810007410         Screw PH BT M3 × 6 NI-ZU         5           MP21         8810008930         Screw PH BT M2 × 10 ZK         1           MP22         8850001560         Ster washer M4 NI BS         1           MP24         8810008630	""	0000000100	110.000.000.0000	
MF1         2710000580         Fan FBA06T12HF         1           SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 fan guard         1           MP8         8820000530         Flange bolt M4 × 8 NI         1           MP10         8930015850         Fan Epa bolt M4 × 8 NI         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 carth spring         1           MP13         8930036980         1691 earth spring         1           MP14         8930036980         1691 earth spring         1           MP15         8930037000         1691 earth spring         1           MP20         881000830         Screw PH BT M3 × 6 NI-ZU         5           MP21         881000920         Screw PH BT M3 × 6 NI-ZU         5           MP22         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP28         881000	EP1	8930021010	Domed plug DP-500	1
SP1         2510000990         Speaker VS-66Y0811         1           MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover (incl. MP10 and MP38)         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930018520         TR-clip (A)         1           MP12         8950004180         1691 cantact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP20         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP21         8810007410         Flat washer M4 NI BS         1           MP24         881000890         Screw PH BT M3 x 6 NI-ZU         4           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP28	EP2	0910045921	Flexible PCB B-4598A	1
MP1         8410002062         1897 heatsink-2         1           MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover (incl. MP10 and MP38)         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930036820         TR.clip (A)         1           MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH BT M3 x 6 NI-ZU         5           MP21         881000990         Screw PH BT M3 x 6 NI-ZU         4           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP31         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP3	MF1	2710000580	Fan FBA06T12HF	1
MP2         8110006060         1897 upper-cover (incl. MP10 and MP38)         1           MP3         8510011450         1897 lower-cover         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930015850         TR.clip (A)         1           MP11         8930036980         1691 contact base(A)         1           MP15         8930037000         1691 earth spring         1           MP17         9830037000         1691 earth spring         1           MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH BT M3 x 6 NI-ZU         5           MP21         881000890         Screw PH BT M2 x 10 ZK         1           MP22         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP32         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP33	SP1	2510000990	Speaker VS-66Y0811	1
MP3         8510011450         1897 lower-cover         1           MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 carth spring         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH BT M3 x 6 NI-ZU         5           MP21         881000890         Screw PH BT M2 x 10 ZK         1           MP22         885000140         Flat washer M4 NI BS         1           MP24         881000890         Screw PH BT M2 x 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP32         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP33         8810008490	MP1	8410002062	1897 heatsink-2	1
MP7         8930043950         1897 fan guard         1           MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH BT M3 x 6 NI-ZU         5           MP21         8810009020         Screw PH BT M2 x 10 ZK         5           MP22         885000140         Flat washer M4 NI BS         1           MP24         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP38         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP33         881	MP2	8110006060	1897 upper-cover (incl. MP10 and MP38)	1
MP8         8820000530         Flange bolt M4 x 8 NI         1           MP10         8930015850         SP net         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH BT M3 x 6 NI-ZU         5           MP21         881000890         Screw PH BT M2 x 10 ZK         1           MP22         8850001560         Ster washer M4         1           MP25         8850001560         Screw PH BT M3 x 6 NI-ZU         4           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP33         8810008490         Setscrew PH BT M3 x 6 NI-ZU         5           MP33         8810008490         Setscrew PH BT M3 x 6 NI-ZU         5           MP35         8810008490         Setscrew PH M2.6 x 8 NI         2           MP36<	MP3	8510011450	1897 lower-cover	1
MP10         8930015850         SP net         1           MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP20         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP20         8810007410         Screw PH BT M2.6 × 5 ZK         5           MP21         8810009020         Screw PH BT M2.6 × 5 ZK         5           MP22         885000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 × 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810008490         Setscrew H M2.6 × 8 NI         2           MP37	MP7	8930043950	1897 fan guard	1
MP11         8930018520         TR.clip (A)         1           MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 × 6 NI         2           MP20         8810009020         Screw PH M3 × 6 NI         2           MP21         8810009020         Screw PH M2.6 × 5 ZK         5           MP22         885000140         Screw PH BT M2 × 10 ZK         1           MP22         8850001560         Screw PH BT M3 × 6 NI-ZU         4           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP32         8810008490         Setscrew PH M2.6 × 8 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 5 ZK         5 <t< td=""><td>MP8</td><td>8820000530</td><td>Flange bolt M4 x 8 NI</td><td>1</td></t<>	MP8	8820000530	Flange bolt M4 x 8 NI	1
MP12         8950004180         1691 contact base(A)         1           MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 × 6 NI         2           MP20         8810007410         Screw PH BT M3 × 6 NI         2           MP21         8850000140         Flat washer M4 NI BS         1           MP22         88500001560         Ster washer M4         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008490         Setscrew H M2.6 × 8 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2	MP10	8930015850	SP net	1
MP15         8930036980         1691 earth spring         1           MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 × 6 NI         2           MP20         8810007410         Screw PH BT M3 × 6 NI         2           MP21         8810009020         Screw PH M2.6 × 5 ZK         5           MP22         885000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 × 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP32         8810008490         Setscrew H M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810008490         Setscrew H M2.6 × 8 NI         1           <	MP11	8930018520	TR.clip (A)	1
MP17         8930037000         1691 earth plate         1           MP19         8810008630         Screw PH BT M3 × 6 NI         2           MP20         8810007410         Screw PH BT M3 × 6 NI         2           MP21         8810009020         Screw PH M2.6 × 5 ZK         5           MP22         885000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 × 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP33         8810008490         Setscrew H M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP40         8930038820         Aluminum sheet V         1	MP12	8950004180	1691 contact base(A)	1
MP19         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP20         8810007410         Screw PH M3 x 6 NI         2           MP21         8810009020         Screw FH M2.6 x 5 ZK         5           MP22         8850000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 x 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP28         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP28         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP32         8810008630         Screw PH M2.6 x 8 NI         2           MP33         8810008490         Setscrew H M2.6 x 8 NI         2           MP34         8810008490         Setscrew H M2.6 x 8 NI         2           MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP40         8930038820         Aluminum sheet V         1	MP15	1		1
MP20         8810007410         Screw PH M3 x 6 NI         2           MP21         8810009020         Screw FH M2.6 x 5 ZK         5           MP22         8850000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 x 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP32         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP33         8810008490         Setscrew H M2.6 x 8 NI         2           MP34         8810008490         Setscrew H M2.6 x 8 NI         2           MP35         8810008490         Setscrew H M2.6 x 8 NI         2           MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP38         8930038850         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930038430         I691 B-sheet         1           MP60		1	,	1
MP21         8810009020         Screw FH M2.6 × 5 ZK         5           MP22         8850000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 × 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008490         Screw PH M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009490         Setscrew H M2.6 × 8 NI         1           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038820         Aluminum sheet V         1           MP40         893003830         Sheet BE         1           MP51         8930039430         1691 B-sheet         1           MP62		1		1
MP22         8850000140         Flat washer M4 NI BS         1           MP24         8810008990         Screw PH BT M2 × 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI         2           MP32         8810008490         Screw PH M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 8 NI         1           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038850         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930039430         1691 B-sheet         1           MP51         89300340270         Embossed sheet (H)         2           MP62 <td< td=""><td></td><td>1</td><td></td><td>1</td></td<>		1		1
MP24         8810008990         Screw PH BT M2 x 10 ZK         1           MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 x 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 x 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 x 6 NI-ZU         6           MP32         8810007410         Screw PH M3 x 6 NI         2           MP33         8810008490         Setscrew H M2.6 x 8 NI         2           MP34         8810008490         Setscrew H M2.6 x 8 NI         2           MP35         8810008490         Setscrew H M2.6 x 8 NI         2           MP36         8810009020         Screw FH M2.6 x 8 NI         1           MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP38         8930038850         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         893003890         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP60         8930042440         1897 SP hoder         1           MP61         881000939	I .			1
MP25         8850001560         Ster washer M4         1           MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008490         Screw PH BT M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 8 NI         1           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Sheet BE         1           MP49         8930038820         Sheet AH         5           MP51         8930040270         Embossed sheet (H)         2           MP66         8930042440         1897 SP hoder         1           MP61         8810009390         Screw FH BT M3 × 18 NI-ZU         4           MP63         8810008490		1	1	1
MP26         8810008630         Screw PH BT M3 × 6 NI-ZU         4           MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008490         Screw PH BT M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 8 NI         1           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP66         8930042440         1897 SP hoder         1           MP61         8810009390         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         88	1	1	1 7 7	
MP27         8810008630         Screw PH BT M3 × 6 NI-ZU         5           MP28         8810008630         Screw PH BT M3 × 6 NI-ZU         6           MP32         8810008490         Screw PH BT M3 × 6 NI         2           MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 5 ZK         5           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP66         8930040270         Embossed sheet (H)         2           MP61         8810009390         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810008490         Setscrew H M2.6 × 8 NI         1           MP64 <td< td=""><td>1</td><td>1</td><td>Ī</td><td></td></td<>	1	1	Ī	
MP28         881008630         Screw PH BT M3 x 6 NI-ZU         6           MP32         8810007410         Screw PH M3 x 6 NI         2           MP33         8810008490         Setscrew H M2.6 x 8 NI         2           MP34         8810008490         Setscrew H M2.6 x 8 NI         2           MP35         8810008490         Setscrew H M2.6 x 8 NI         2           MP36         8810009020         Screw FH M2.6 x 5 ZK         5           MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP66         8930040270         Embossed sheet (H)         2           MP61         8810009300         Screw FT M2.6 x 5 ZK         4           MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 x 6 NI         2           MP64         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930		i .		
MP32         8810007410         Screw PH M3 x 6 NI         2           MP33         8810008490         Setscrew H M2.6 x 8 NI         2           MP34         8810008490         Setscrew H M2.6 x 8 NI         2           MP35         8810008490         Setscrew H M2.6 x 8 NI         2           MP36         8810009020         Screw FH M2.6 x 5 ZK         5           MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP66         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009390         Screw FT M2.6 x 5 ZK         4           MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810008490         Setscrew H M2.6 x 8 NI         1           MP64         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180 <td>1</td> <td>1</td> <td></td> <td>1</td>	1	1		1
MP33         8810008490         Setscrew H M2.6 × 8 NI         2           MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 5 ZK         5           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009390         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180			1	1
MP34         8810008490         Setscrew H M2.6 × 8 NI         2           MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 5 ZK         5           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009390         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840	1		1	1
MP35         8810008490         Setscrew H M2.6 × 8 NI         2           MP36         8810009020         Screw FH M2.6 × 5 ZK         5           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930033930         Shee	1			1
MP36         8810009020         Screw FH M2.6 × 5 ZK         5           MP37         8810008490         Setscrew H M2.6 × 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930033930         Sheet BQ         2           MP70         8930033930         Sheet DN	1	ł	1	2
MP37         8810008490         Setscrew H M2.6 x 8 NI         1           MP38         8930038650         Sheet BE         1           MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 x 5 ZK         4           MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810007410         Screw PH M3 x 6 NI         2           MP64         8810008490         Setscrew H M2.6 x 8 NI         1           MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930033930         Sheet BQ         2           MP70         8930033930         Sheet DN         1	1	1	Screw FH M2.6 x 5 ZK	5
MP40         8930038820         Aluminum sheet V         1           MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930033930         Sheet BQ         2           MP70         8930033930         Sheet DN         1	1	8810008490		1
MP49         8930028390         Sheet AH         5           MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930033930         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP38	8930038650	Sheet BE	1
MP51         8930039430         1691 B-sheet         1           MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP40	8930038820	Aluminum sheet V	1
MP56         8930040270         Embossed sheet (H)         2           MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 × 5 ZK         4           MP62         8810009390         Screw PH BT M3 × 18 NI-ZU         4           MP63         8810007410         Screw PH M3 × 6 NI         2           MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP49	8930028390	Sheet AH	5
MP60         8930042440         1897 SP hoder         1           MP61         8810009020         Screw FT M2.6 x 5 ZK         4           MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810007410         Screw PH M3 x 6 NI         2           MP64         8810008490         Setscrew H M2.6 x 8 NI         1           MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP51	8930039430	1691 B-sheet	1
MP61         8810009020         Screw FT M2.6 x 5 ZK         4           MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810007410         Screw PH M3 x 6 NI         2           MP64         8810008490         Setscrew H M2.6 x 8 NI         1           MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP56	8930040270	Embossed sheet (H)	2
MP62         8810009390         Screw PH BT M3 x 18 NI-ZU         4           MP63         8810007410         Screw PH BT M3 x 6 NI         2           MP64         8810008490         Setscrew H M2.6 x 8 NI         1           MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP60	8930042440	1897 SP hoder	1
MP63         8810007410         Screw PH M3 x 6 NI         2           MP64         8810008490         Setscrew H M2.6 x 8 NI         1           MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP61	8810009020	Screw FT M2.6 x 5 ZK	4
MP64         8810008490         Setscrew H M2.6 × 8 NI         1           MP65         8810008630         Screw PH BT M3 × 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	MP62	8810009390		1
MP65         8810008630         Screw PH BT M3 x 6 NI-ZU         2           MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	1	1		1
MP67         8930001180         Earth plate         1           MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	1	1		1
MP68         8930028840         Sponge (DF)         1           MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1		1		ļ
MP69         8930043960         Sheet BQ         2           MP70         8930033930         Sheet DN         1	1		l '	1
MP70 8930033930 Sheet DN 1	1	l .	1 ' - ' '	1
Will 70 Goodsood Gillow City	ł	1		1
IMP/ 1 8950004610 Wife Sticker 5-5	1		I .	1
	MP/1	8950004610	vvire sticker 5-5	

#### [FRONT UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
S1	2250000290	Encoder SW-159 (EC24B50B) (incl. nut, washer)	1
W1	8900006040	Flat cable OPC-593	1
W2	8900006250	Cable OPC-610	1
MP1	8210014212	1691 front panel (B)-2	1
MP2	8210012580	1691 rear panel	1
MP3	8930036720	1691 8-key	1
MP4	8930041650	1691 UP/DOWN key (A)	1
MP5	8930036731	1691 4-key-1	1
MP8	8930036751	Spring (Y)-1	1
MP9	8930032340	1424 N-spring	1
MP10	8830001010	Hex nut (A)	2
MP11	8610010000	Knob N237 (include, MP28)	1
MP12	8610010010	Knob N238	2
MP13	8610010021	Knob N239 base-1	1
MP14	8610010030	Knob N239 cover	1
MP15	8610010040	Knob N239 finger rest	1
MP16	8930036691	1691 release button-1	1
MP17	8930036700	1691 lens	3
MP18	8310036280	1691 window plate	1
MP19	8310036273	1691 brake plate-3	1
MP20	8950004191	1691 contact base(b)-1	1
MP21	8930036740	1691 brake pad	2
MP22	8930037111	1691 brake sheet-1	1
MP23	8310036583	1691 caution label (S)-3	1
MP24	8810008990	Screw PH BT M2 x 10 ZK	2
MP25	8930038940	Sponge (EF)	1
MP26	8830001100	Nut (for tube) M9 B11-H2	1
MP27	8610010360	Knob N260 (include, MP29)	1
MP28	8610007510	Knob spring No. 7800	1
MP29	8610007510	Knob spring No. 7800	1
	8210014470	1691 front panel (B)-2 assembly (include. MP1, 4, 5, 17 and 18)	1
	8610010111	Knob N239-1 assembly (include. MP9, 13, 14, 15 and 22)	1

#### [DISPLAY BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6450001630	Connector HSJ1406-01-050 [PHONES]	1
DS4	5010000210	LCD DLC-7986YBGF	1
DS5	5030001290	LED D2264	1
EP2	8930039790	LCD contact SRCN-1691-ZSS-505	2
MP1	8930036710	1691 LCD holder	1
MP3	8810009040	Setscrew H M2.6 X 10 NI	1
MP4	8830000180	Nut M2.6 NI BS	1
MP5	8930043470	1897 front plate	1

# [VR BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
R1	7210002780	Variable register RV-300	1
R2	7210002940	Variable register TP96D231E20-20F-10KB-1897	1
S1	2220000540	Switch SW-162 (SSSS22-2-11)	1

#### [MAIN BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP3	8510011420	1897 M-case	1
MP4	8930014140	Earth spring (D)	1
MP6	8510011250	1897 main S-plate	1
MP7	8930024170	Earth spring (G)	] 1
MP8	8930024170	Earth spring (G)	1
MP9	8510010460	1691 main shield plate	1
MP10	8510010460	1691 main shield plate	1
MP11	8930044650	1897 M-spring	1
			1

#### [HPF BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510009180	1346 VCO case	1
MP2	8930028840	Sponge (DF)	1

# [PLL UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510010050	1691 shield case	1
MP2	8510010060	1691 shield cover	1
MP3	8510005980	724 shield case	1
MP4	8510011440	1897 P-cover	1
MP5	8510006970	VCO shield case	1
MP7	8510010050	1691 shield case	1
MP8	8510010060	1691 shield cover	1
MP9	8510005980	724 shield case	1
MP10	8510005990	724 shield case cover	1
MP15	8810003960	Setscrew A M2.6 ◊ 5	3
MP16	8810003960	Setscrew A M2.6 ◊ 5	3
MP17	8510010150	1691 D/A case	1
MP19	8820000900	1691 screw	1
MP22	8510011160	1897 PLL shield case	1
MP23	8510010850	1897 D/A case	1
MP24	8510010460	1691 main shield plate	1
MP25	8950000180	Cable tie-80	2
MP26	8930001170	Earth spring (A)	1
MP27	8930012270	575 CPU shield plate	1
MP28	8930001170	Earth spring (A)	1

#### [PA UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J8	6450000140	Connector HSJ0807-01-010 [EXT SP]	1
J19	6510001920	Connector 1490R [TUNER]	1
P8	6510003780	Connector LLR-06 [DC 13.8V]	1
MP1	8950000180	Cable tie-80	1
MP3	8950000180	Cable tie-80	1
MP7	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP8	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP9	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP10	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP11	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP12	8860000100	Earth lug B 2 (M2.6) AG BS	1
MP14	8930044800	1897 TR plate	1

# [FILTER BOARD]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J4	6450001490	Connector HLJ7001-01-3010 [ELEC-KEY]	1
J5	6450001640	Connector TCS5044-01-4111 [ACC]	1
J7	6450001650	Connector HSJ0836-01-500 [REMOTE]	1
J8	6450001660	Connector EX345GLB [RTTY]	1
J11	6510016170	Connector 52018-8835 [MIC]	1
MP2 MP3	8930014140 8930014140	Earth spring (D) Earth spring (D)	1

#### [UNPACKING]

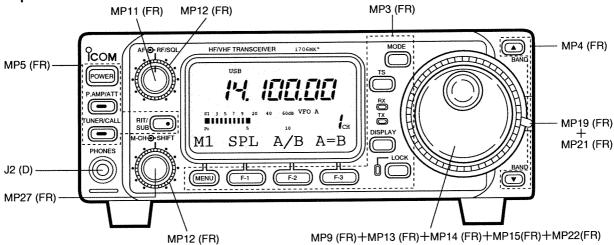
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210000090	Fuse FGB 30A	2
F2	5210000130	Fuse FGB 4A	1
P1	5610000050	Electronic keyer plug AP330	1
P2	5610000170	RTTY key plug AP370B	
W1	8900006490	DC power cable OPC-025D [USA]	1
W2	8900006110	ACC cable OPC-596	
MC1	7700002000	Hand microphone HM-103 ACC	1

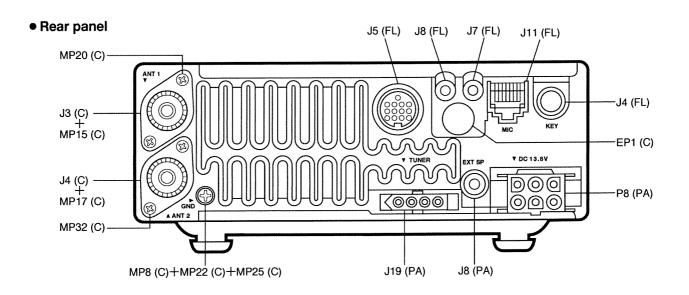
Screw abbreviations

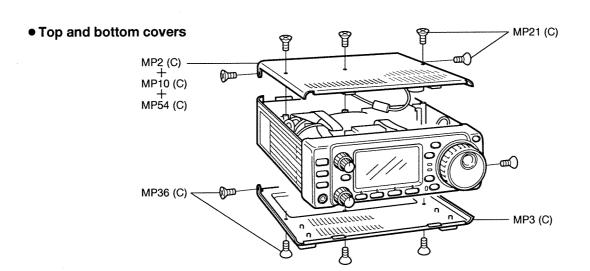
BT: Self-tapping PH: Pan head NI: Nickel NI-ZU: Nickel-Zinc BS: Brass ZK: Black



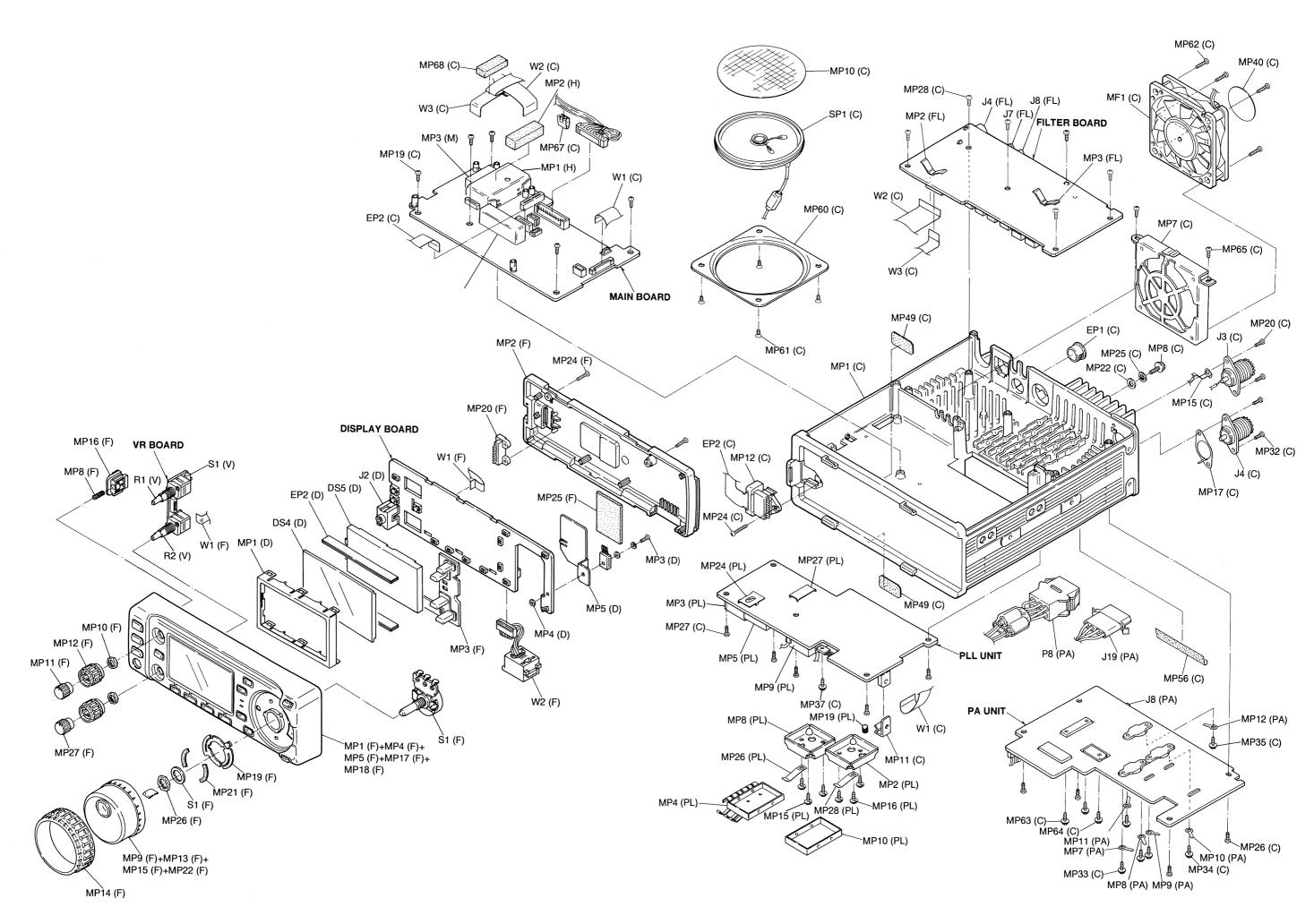
#### Front panel







Unit abbreviations: (C): CHASSIS PARTS (FR): FRONT PARTS (D): DISPLAY BOARD (PA): PA UNIT (FL): FILTER BOARD

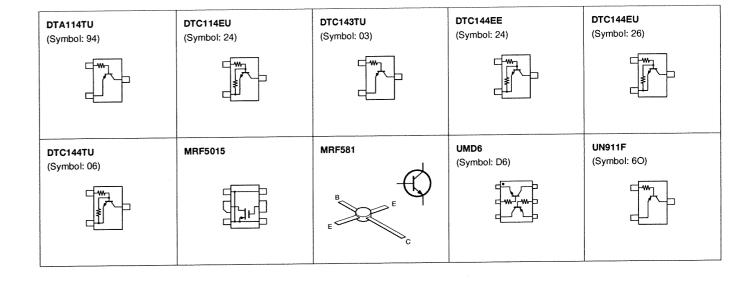


Unit abbreviations: (C): CHASSIS PARTS (FR): FRONT PARTS (D): DISPLAY BOARD (M): MAIN BOARD (PL): PLL UNIT (PA): PA UNIT (FL): FILTER BOARD (H): HPF BOARD

# SECTION 7 SEMI-CONDUCTOR INFORMATION

#### • TRANSISTOR AND FET'S

• TRANSISTOR AND				
2SA1576 R (Symbol: FR)	2SB1132 Q (Symbol: BA)	2SB1143 S	2SB798 DK (Symbol: DK)	2SC2694
		E C B		E C E
2SC4081 R (Symbol: BR)	2SC4081 S (Symbol: BS)	2SC4116 GR (Symbol: LG)	2SC4117 BL (Symbol: DL)	2SC4213 B (Symbol: AB)
2SC4226 R25 (Symbol: R25)	2SC4403 3 (Symbol: LY3)	2SC4405 3 TL (Symbol: OY3)	2SC4673D (Symbol: CO)	2SD1221 Y
				B C €
2SD1406	2SD1619 (Symbol: DB)	<b>2SD1623</b> (Symbol: DF)	2SD999 CK (Symbol: CK)	2SK1577 2 T7 (Symbol: P2)
				1
B C E				SC G
25K210 GR (Symbol: YG)	2SK2171 4 (Symbol: No symbol)	2SK880 Y (Symbol: XY)	2SK882 GR (Symbol: TG)	H G
		1	1	3SK131
(Symbol: YG)	(Symbol: No symbol)	(Symbol: XY)	(Symbol: TG)	3SK131 (Symbol: VIT)
(Symbol: YG)	(Symbol: No symbol)	(Symbol: XY)	(Symbol: TG)  DTA144EE TL	3SK131 (Symbol: VIT)



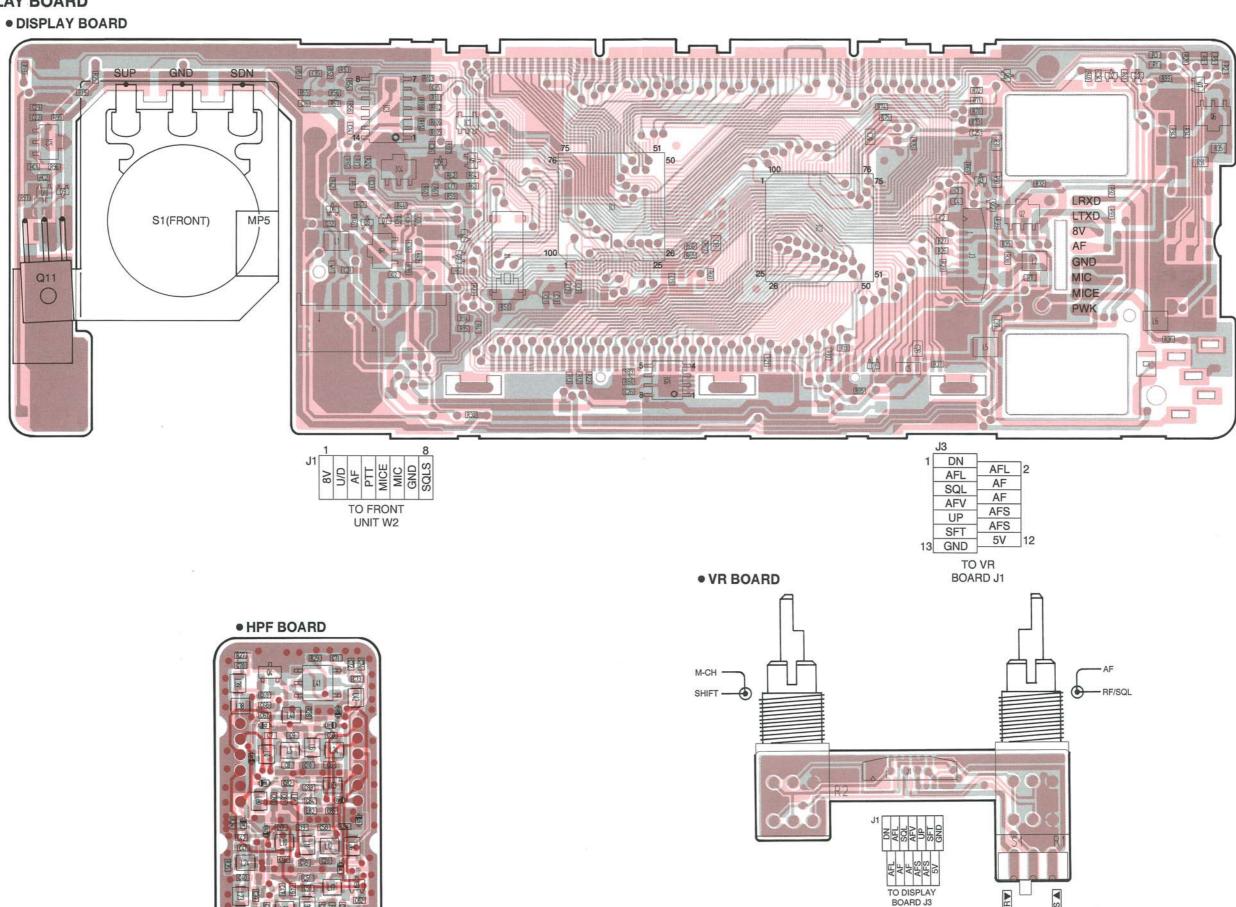
#### • DIODES

(Symbol: 912)

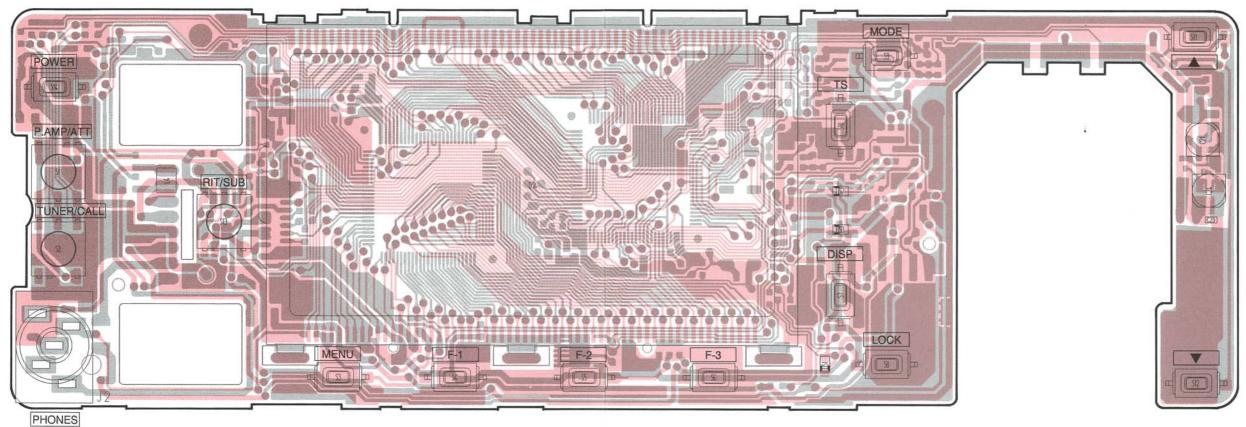
• DIODE3			r	I
1SS319 (Symbol: A4)	1SV237 (Symbol: BB)	1SV265 TL (Symbol: LV)	1SV271 (Symbol: TG)	DA114 (Symbol: AV)
		- <del></del>		
DA204U (Symbol: K)	DA221 (Symbol: K)	DAN222 (Symbol: N)	DAP222 (Symbol: FR)	HSB88WSTR (Symbol: Silver line)
				**
HSM88AS (Symbol: C1)	HVM17-01TR (Symbol: T6)	MA862 (Symbol: M1I)	RD3.6M B2 (Symbol: 362)	RD5.6M B2 (Symbol: 562)
		-		
RD9.1M B2				

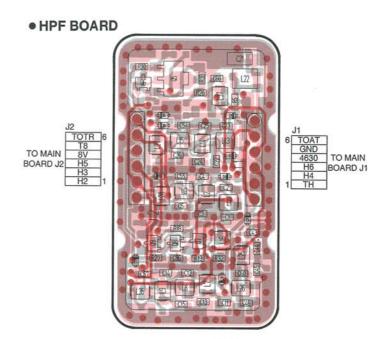
# SECTION 8 BOARD LAYOUTS

#### 8-1 DISPLAY BOARD

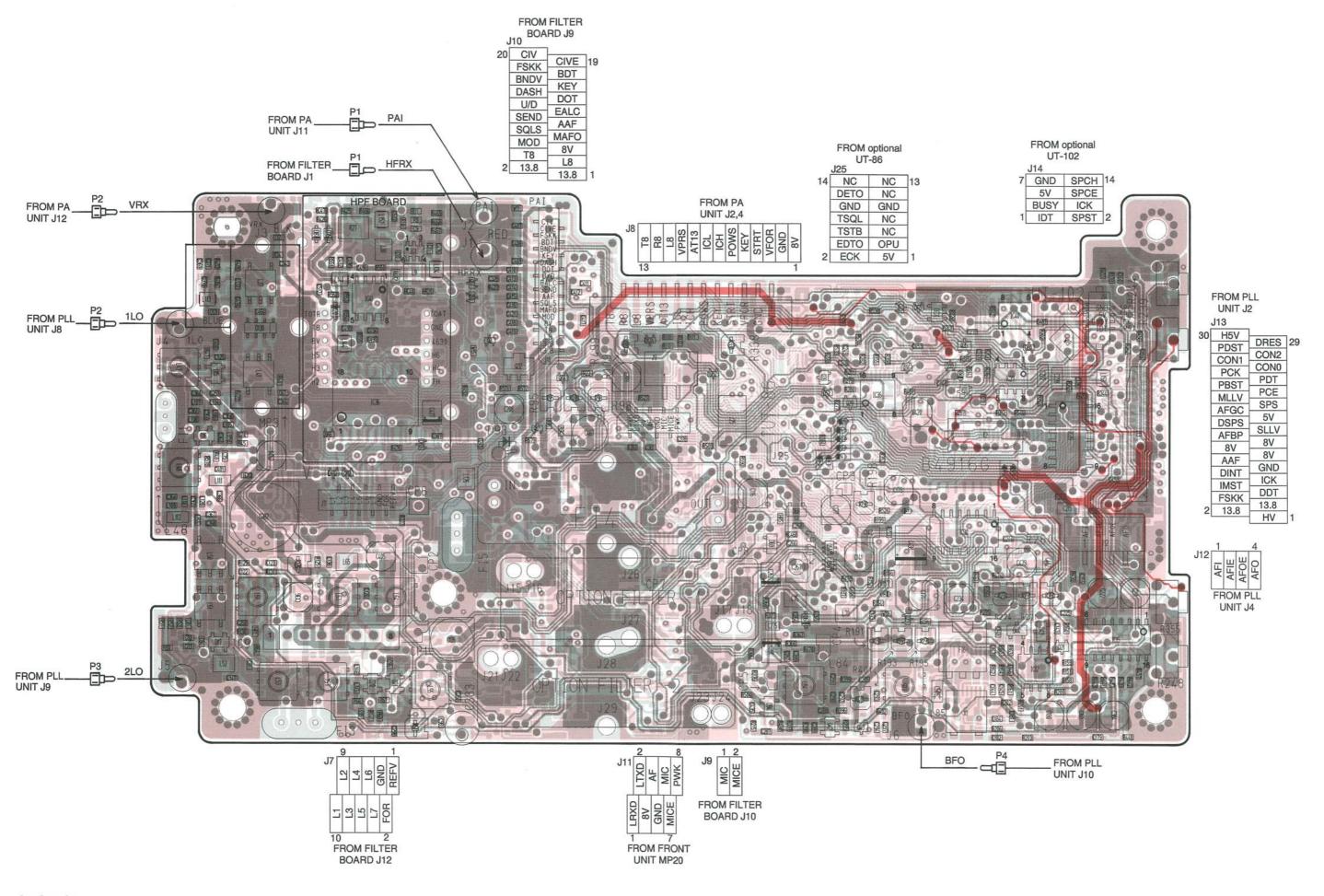


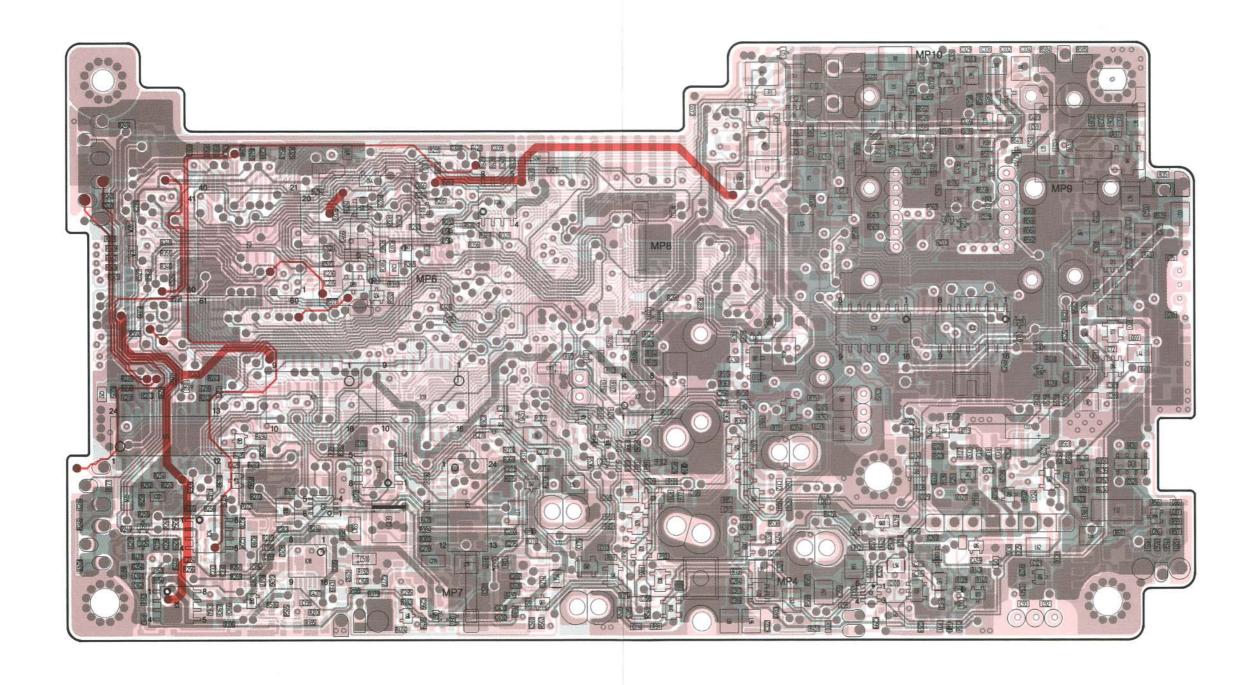
#### DISPLAY BOARD

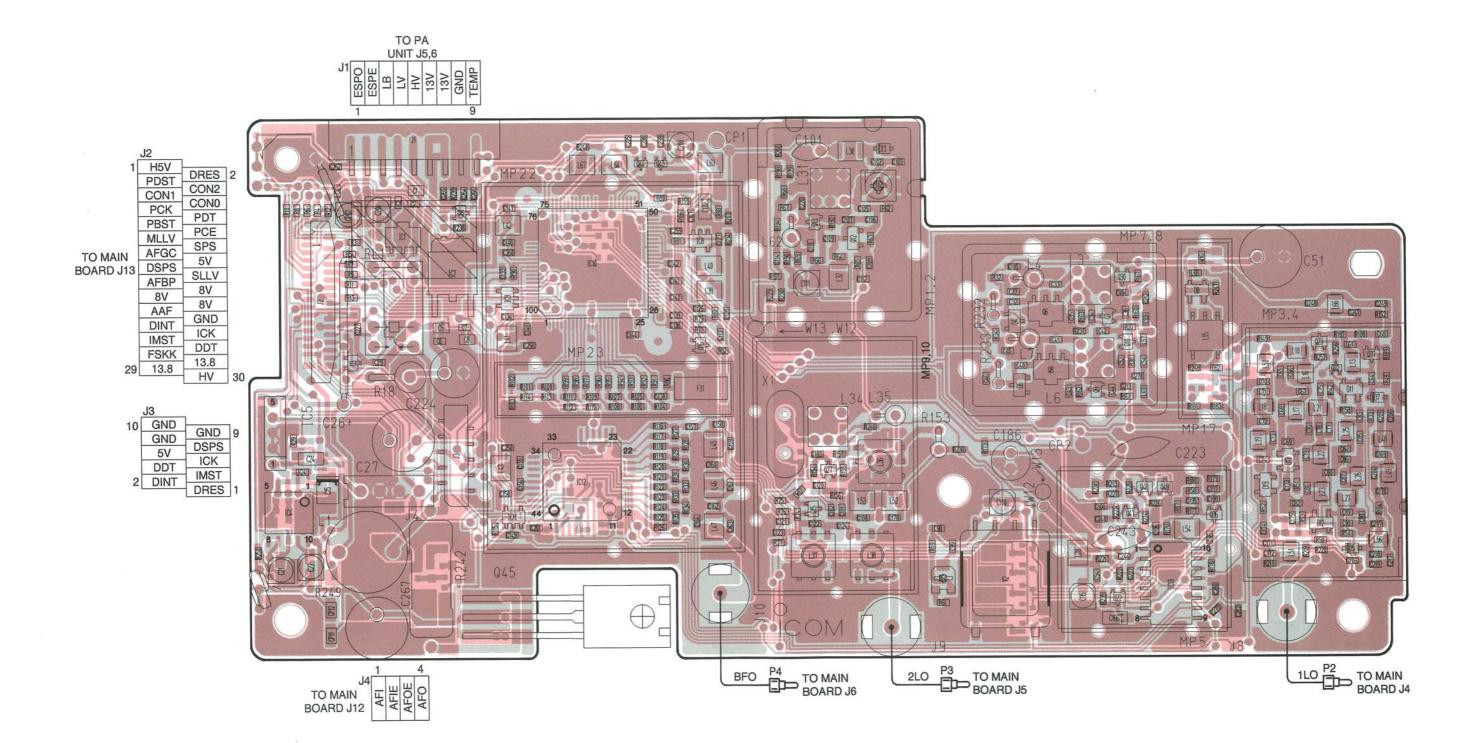


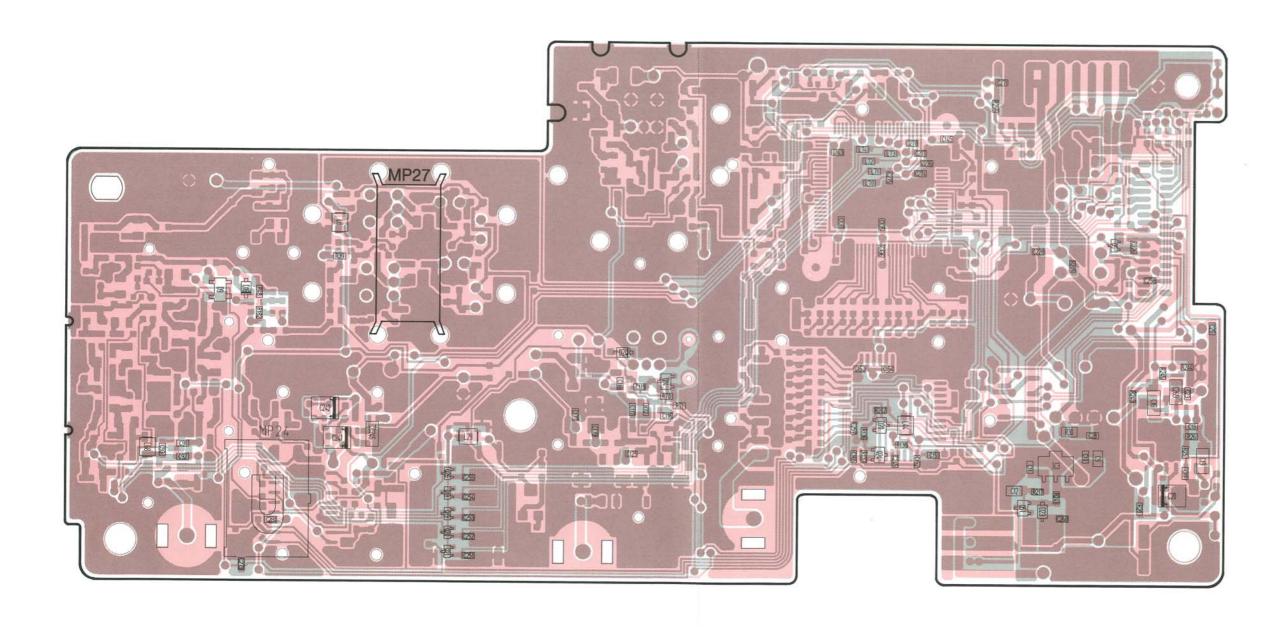


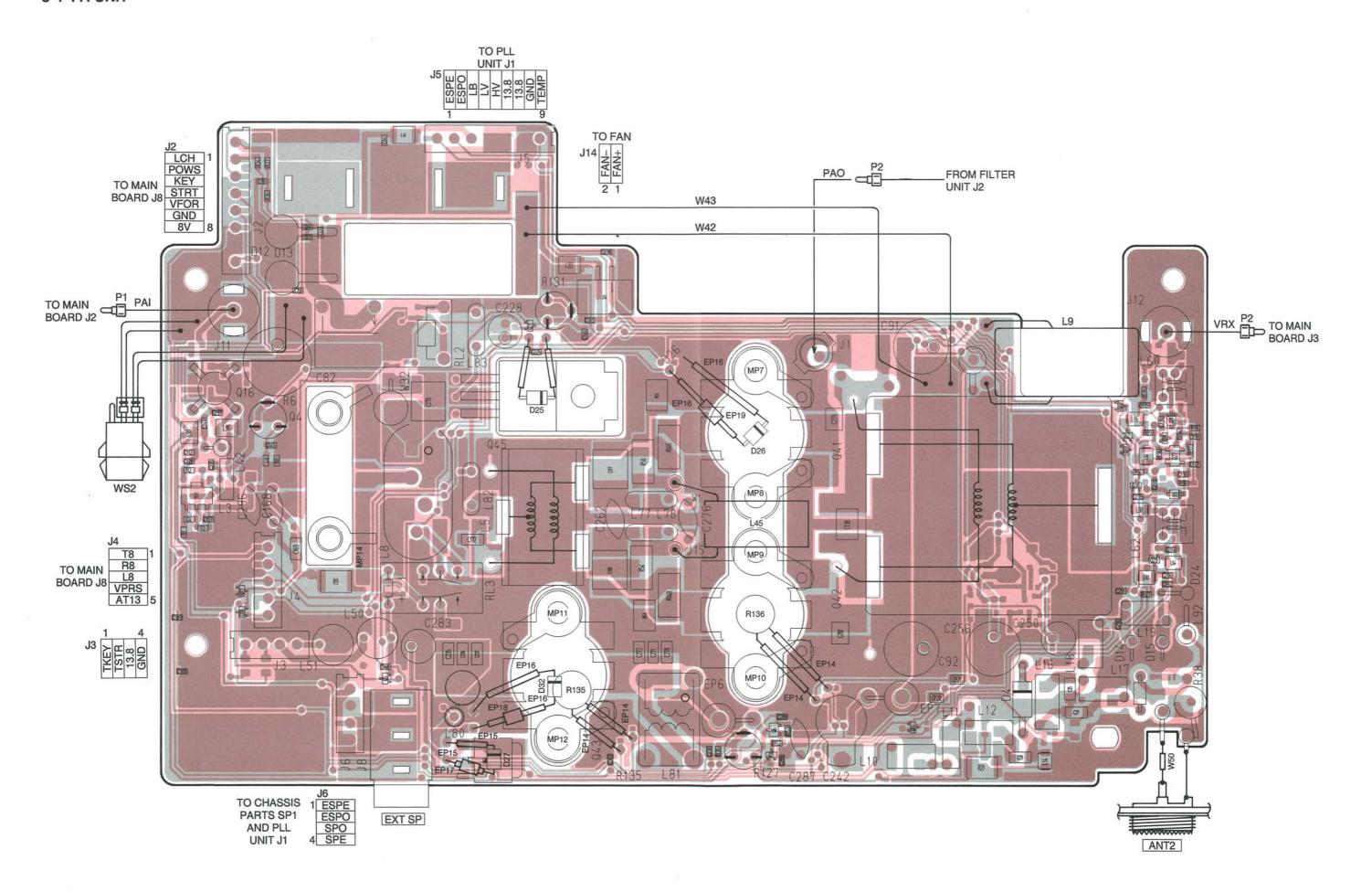
#### 8-2 MAIN BOARD

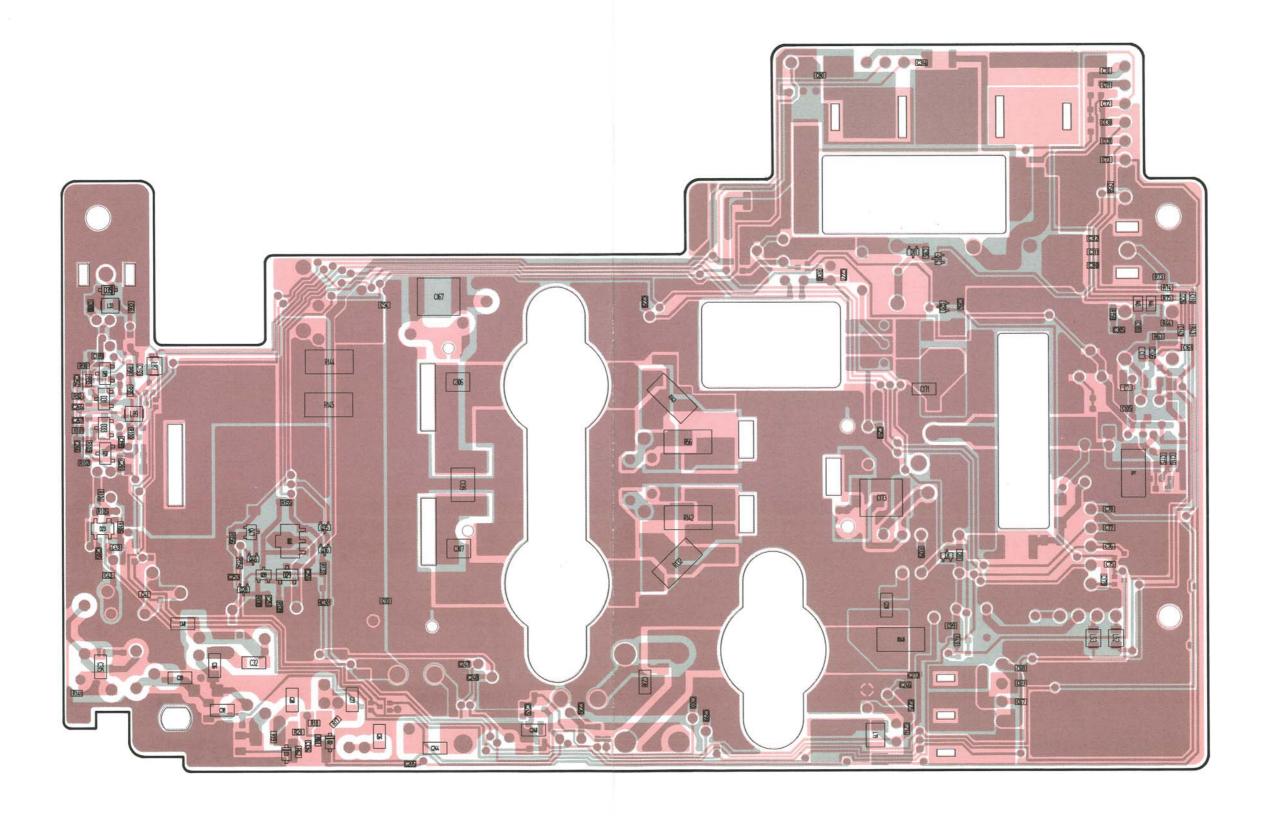




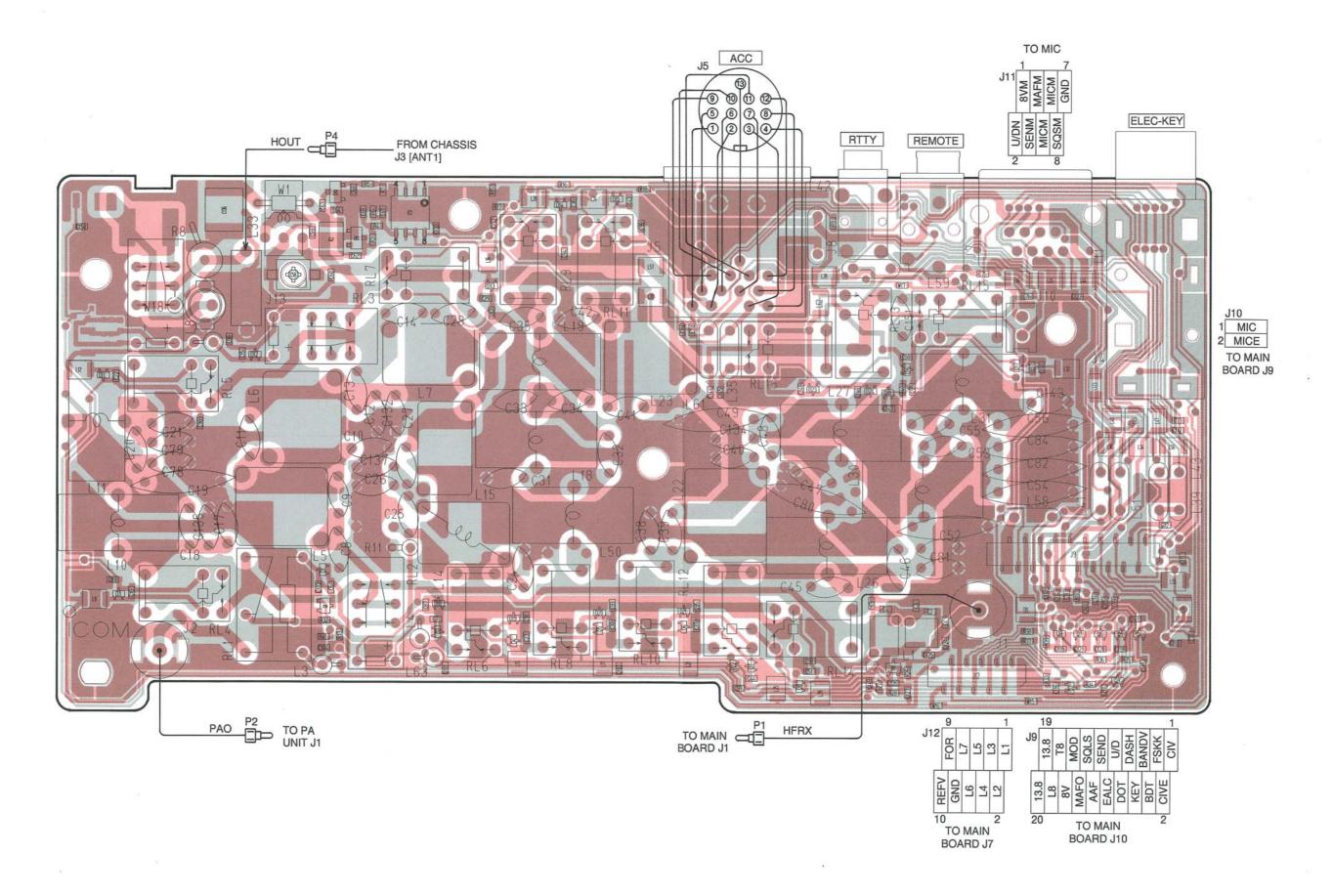




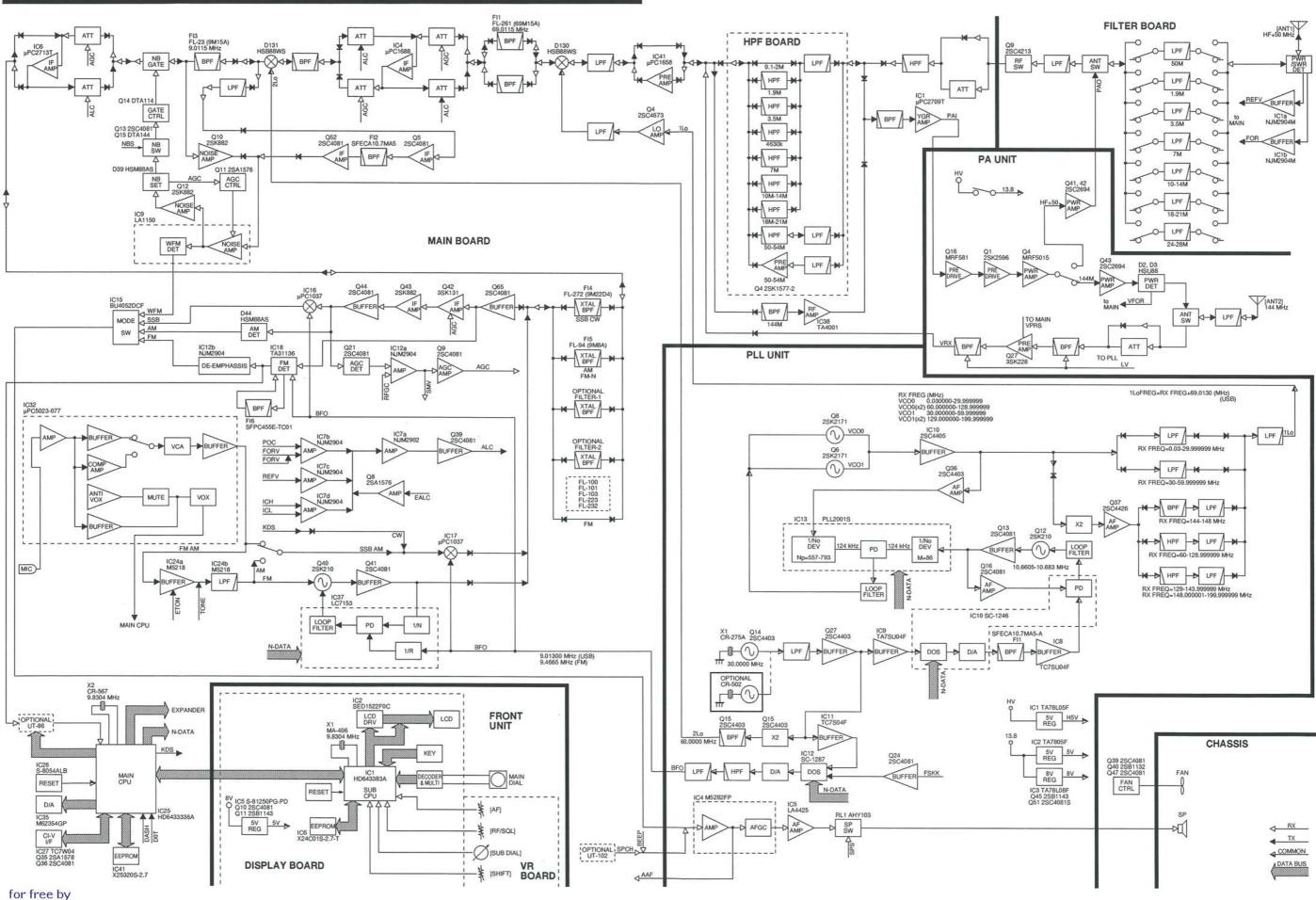


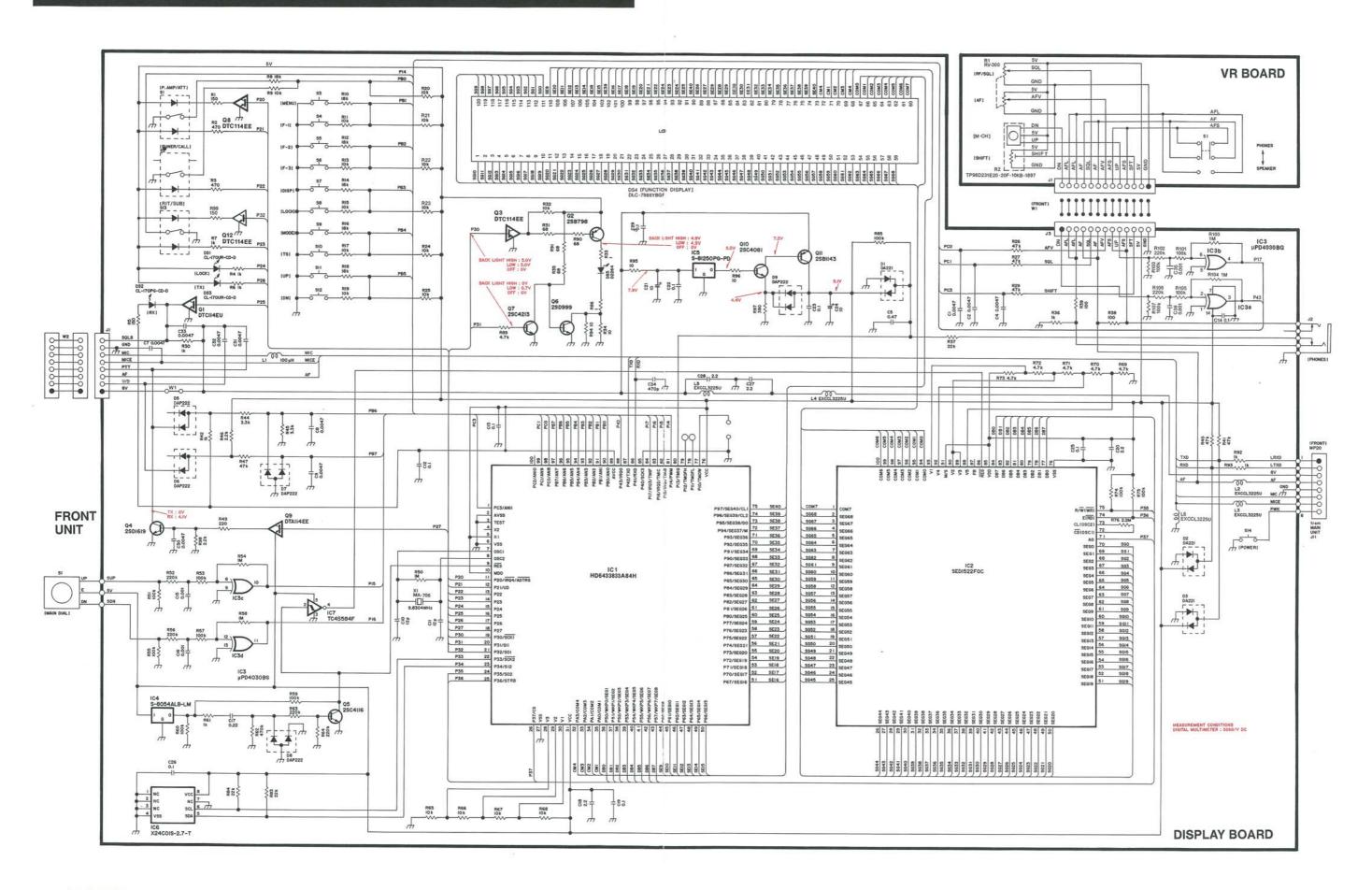


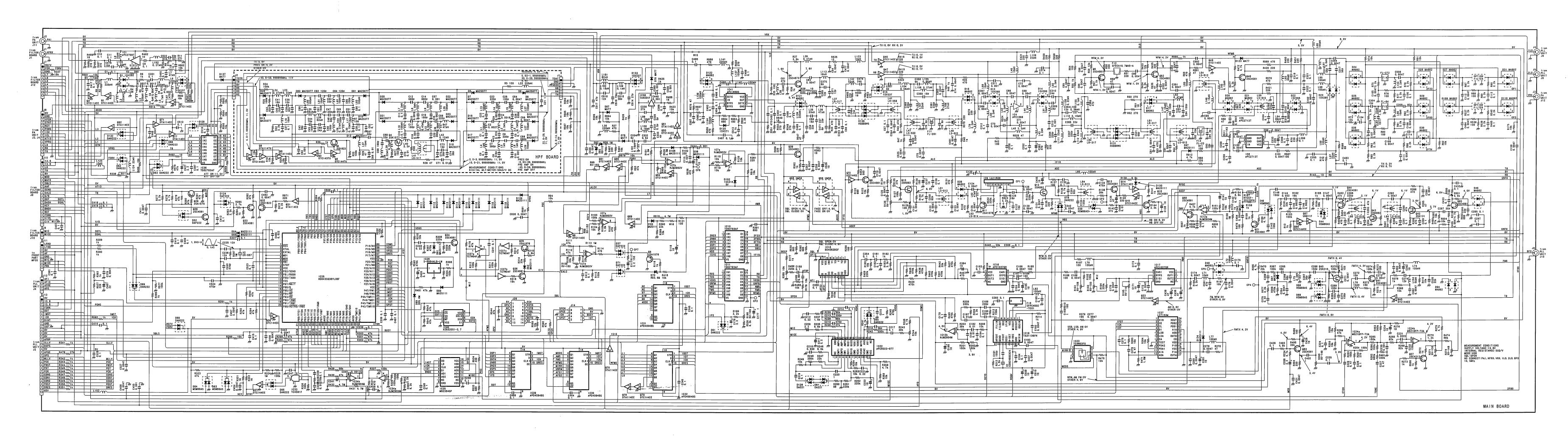
#### 8-5 FILTER BOARD

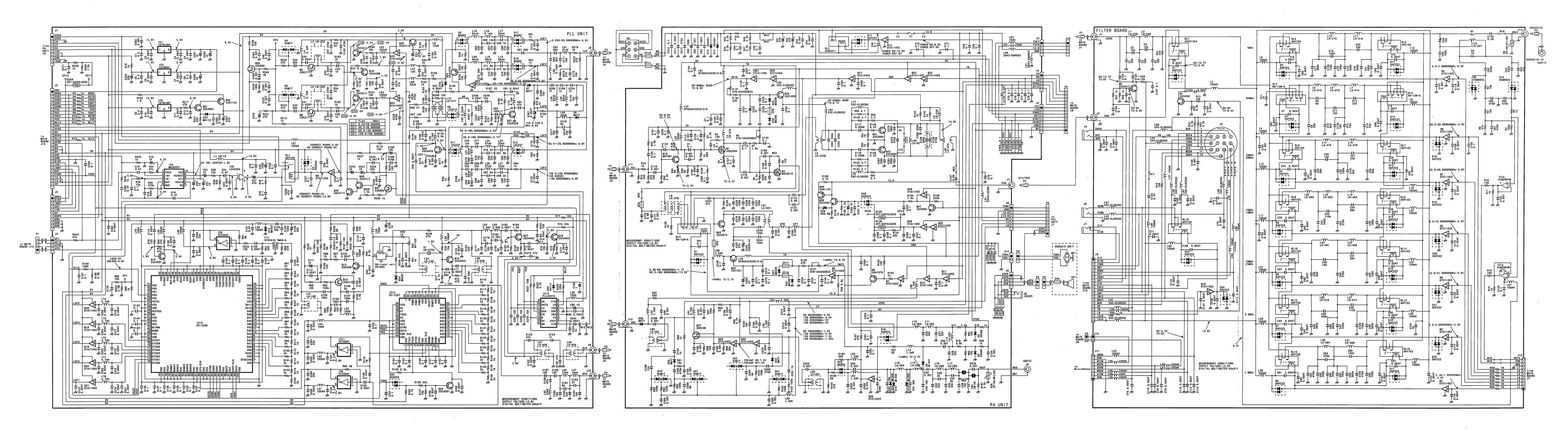


# SECTION 9 BLOCK DIAGRAM









#### Icom Inc.

6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan

Phone: 06 793 5302 Fax: 06 793 0013

#### Icom America Inc.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155
Fax: (425) 454-1509
Telex: 152210 ICOM AMER BVUE

Customer Service> Phone : (206) 454-7619

#### Icom Canada

A Division of Icom America Inc. 3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada Phone: (604) 273-7400 Fax : (604) 273-1900

#### Icom (Australia) Pty. Ltd.

A.C.N. 006 092 575

A.C.N. 006 092 575

A.C.N. 006 092 575

Phone: 03 9387 0666

Fax : 03 9387 0022

#### Icom (Europe) GmbH

Communication Equipment Himmelgeister Str. 100, D-40225 Düsseldorf, Germany Phone: 0211 346047 Fax: 0211 333639

#### Icom Telecomunicaciones s.l.

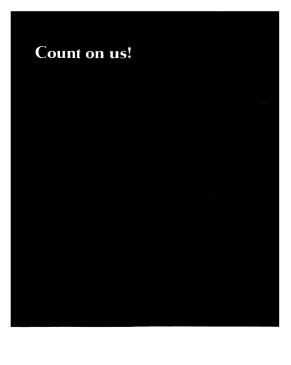
"Edificio Can Castanyer" Crta. Gracia a Manresa km. 14,750 08190 Sant Cugat Del Valles Barcerona, SPAIN Phone: (3) 589 46 82 Fax: (3) 589 04 46

#### Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K. Phone : 01227 741741 Fax : 01227 741742 Telex : 317210 BUREAU G

#### Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulinais BP 5804, 31505 Toulouse Cedex, France Phone: 561 36 03 03 Fax: 561 36 03 00 Telex: 521515 ICOM FRA



Downloaded by RadioAmateur.EU