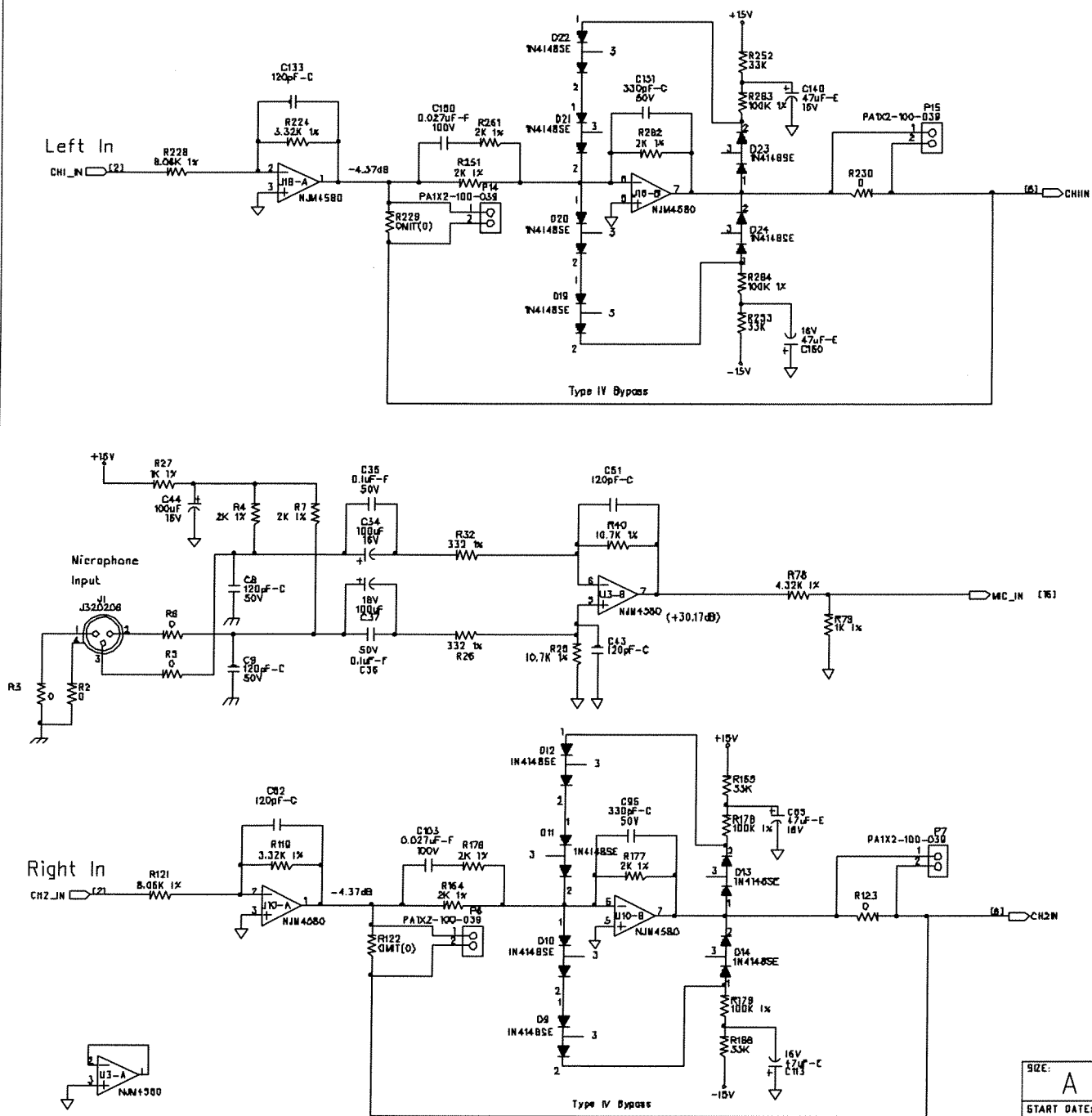
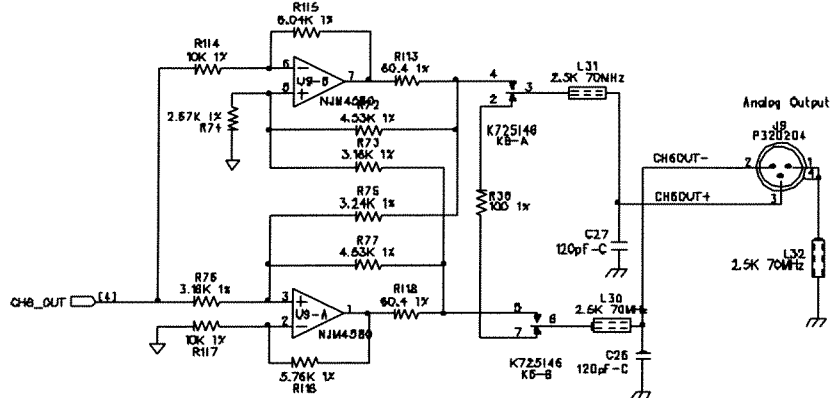
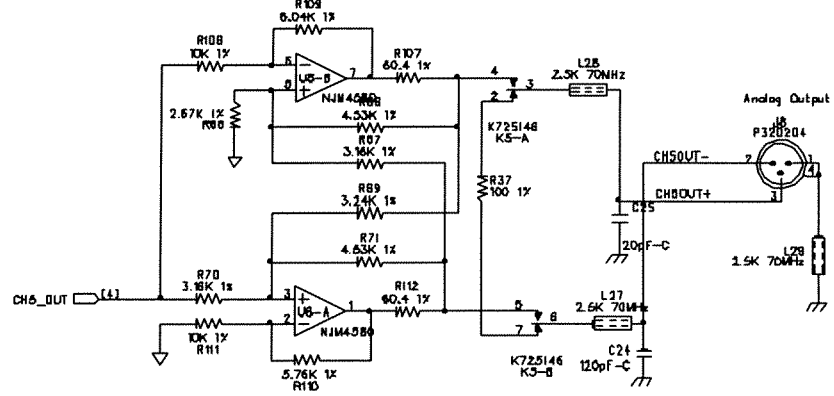
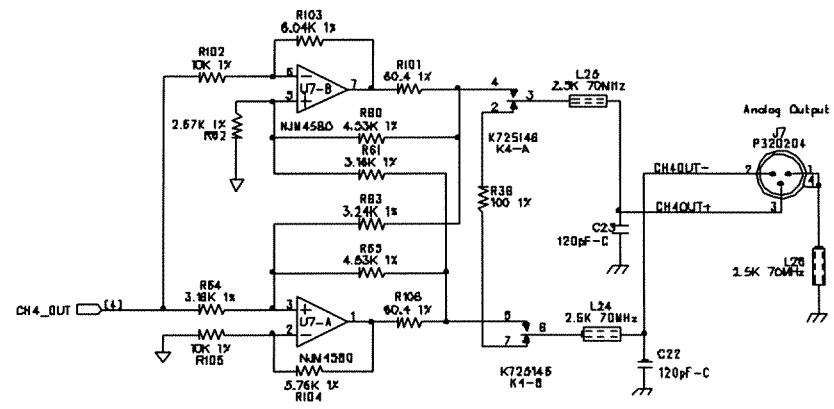
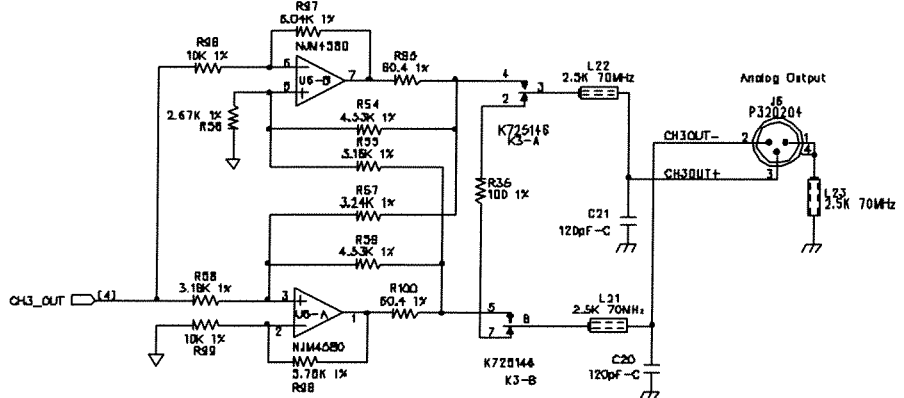
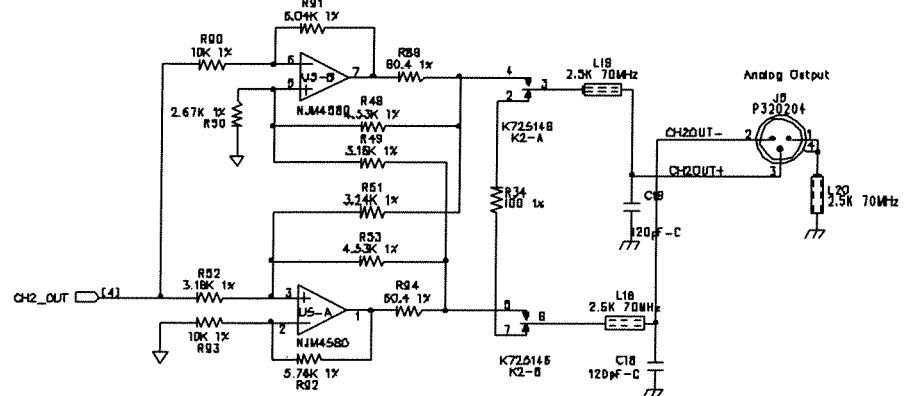
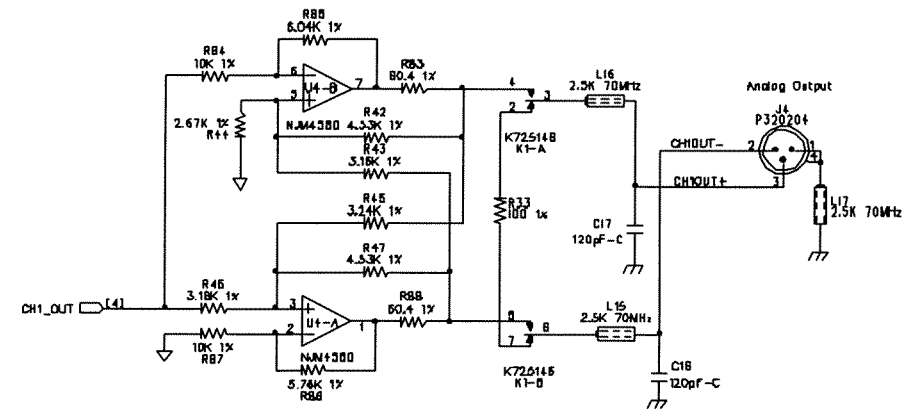


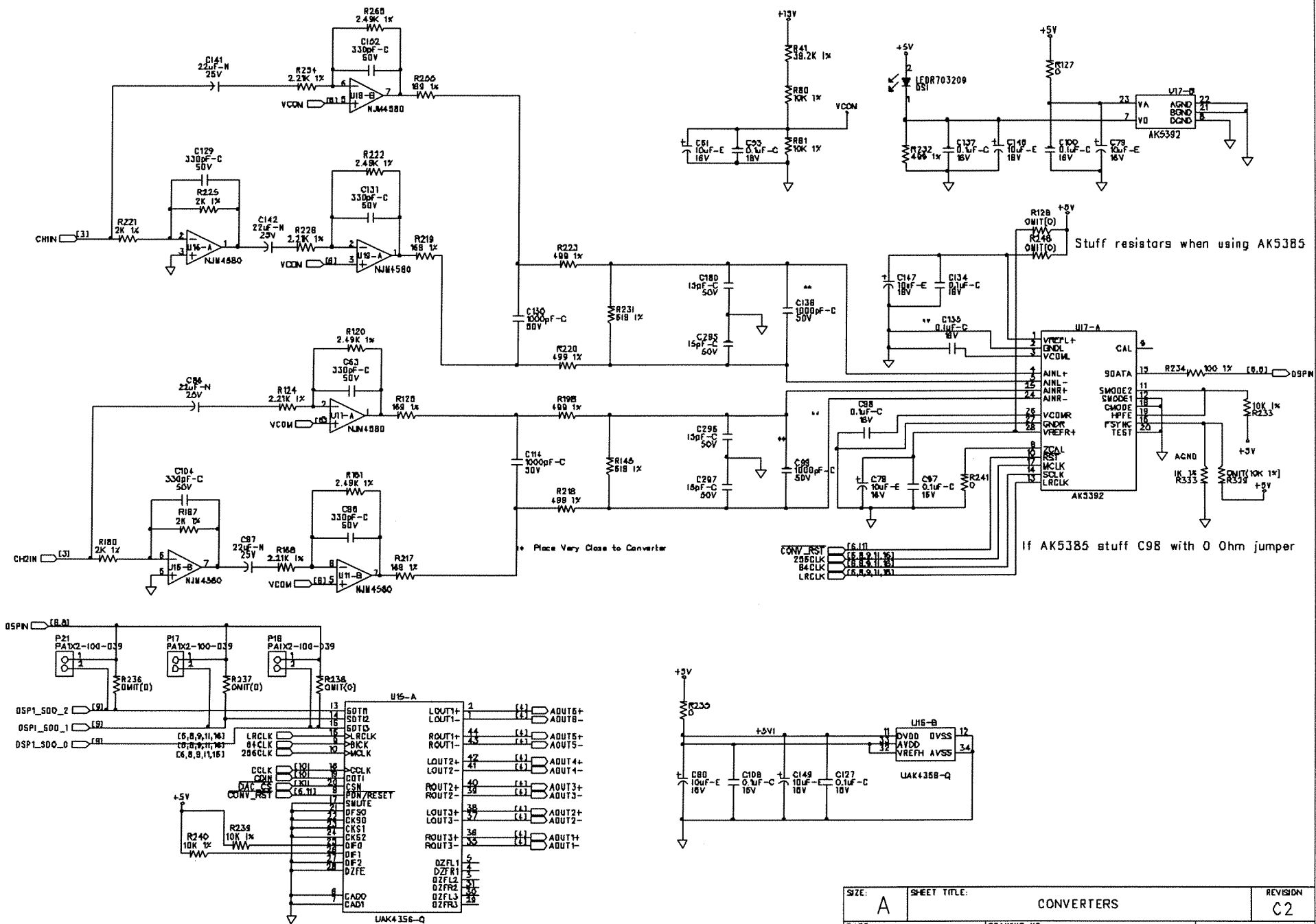
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START DATE:	12-23-02	DRAWING NO:	05-1796	SHEET: 2 OF 20	

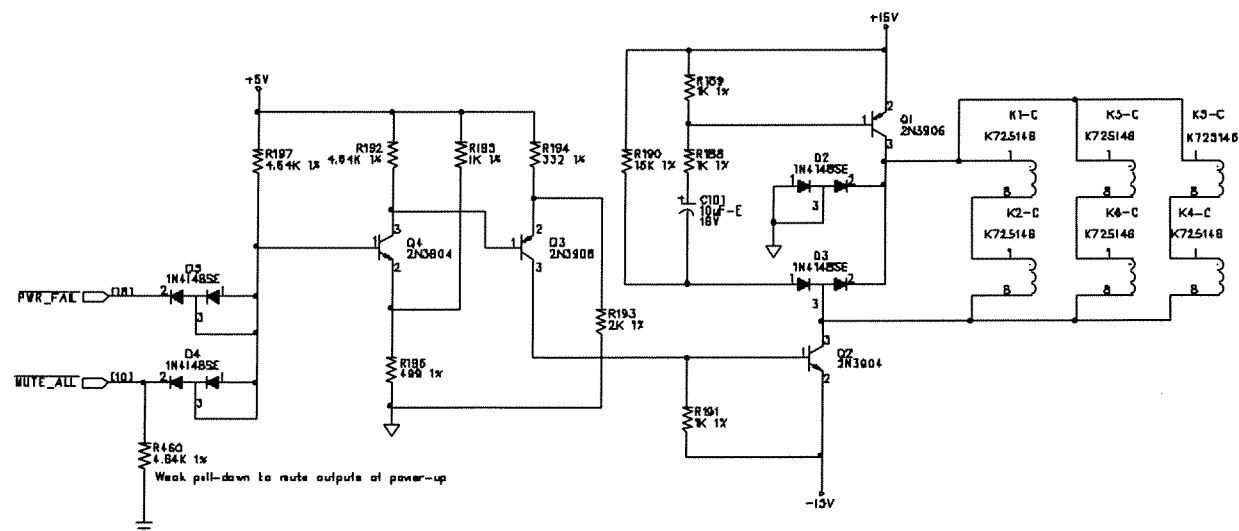


SIZE: A	SHEET TITLE: ANALOG CHANNEL 1 & 2 INPUTS	REVISION: C2
START DATE: 12-23-02	DRAWING NO: 05-1796	SHEET: 3 OF 20

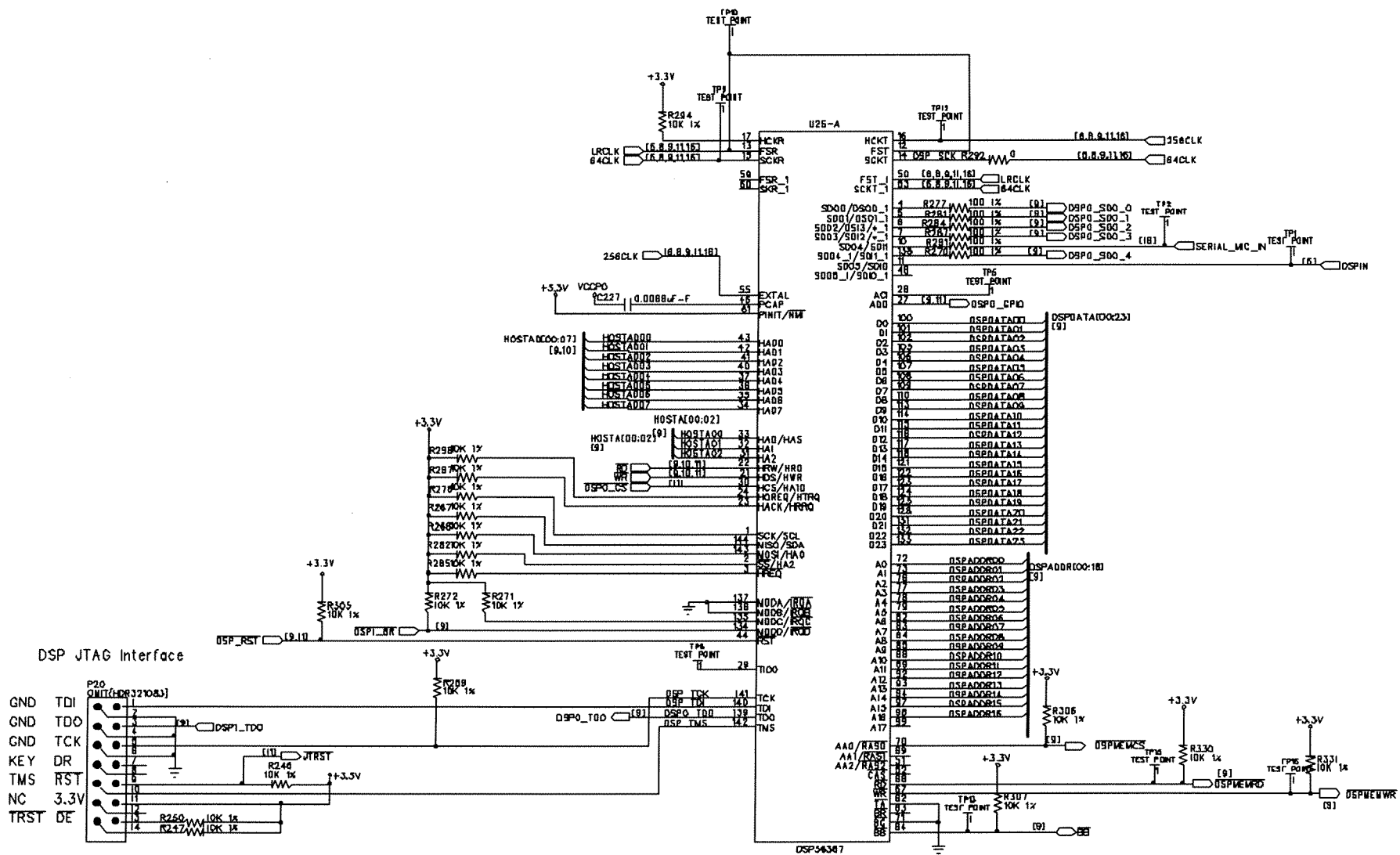


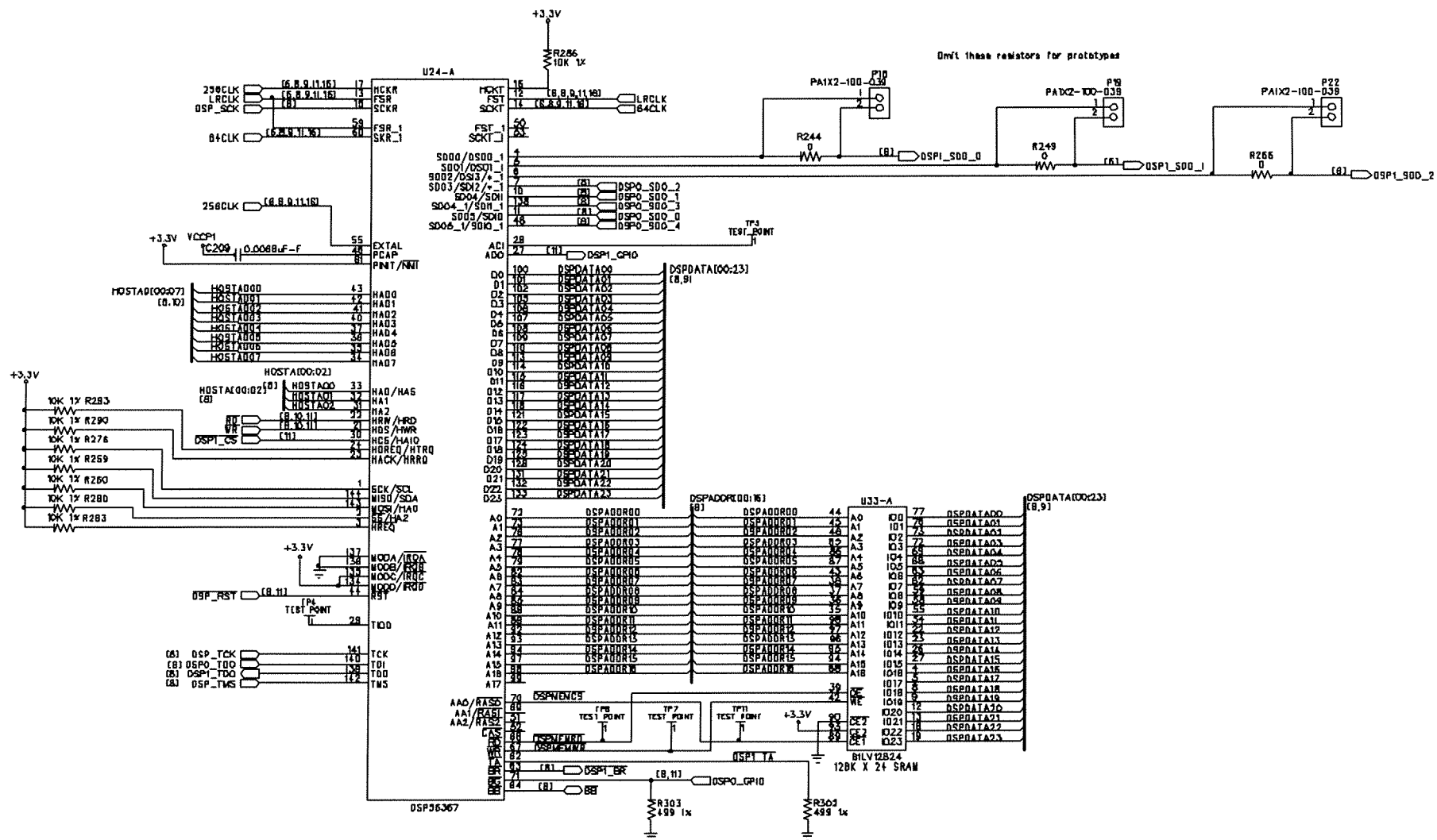


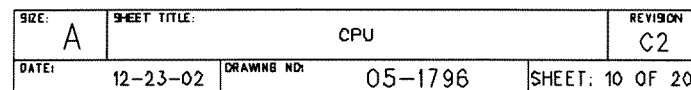




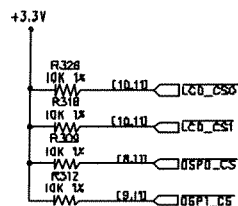
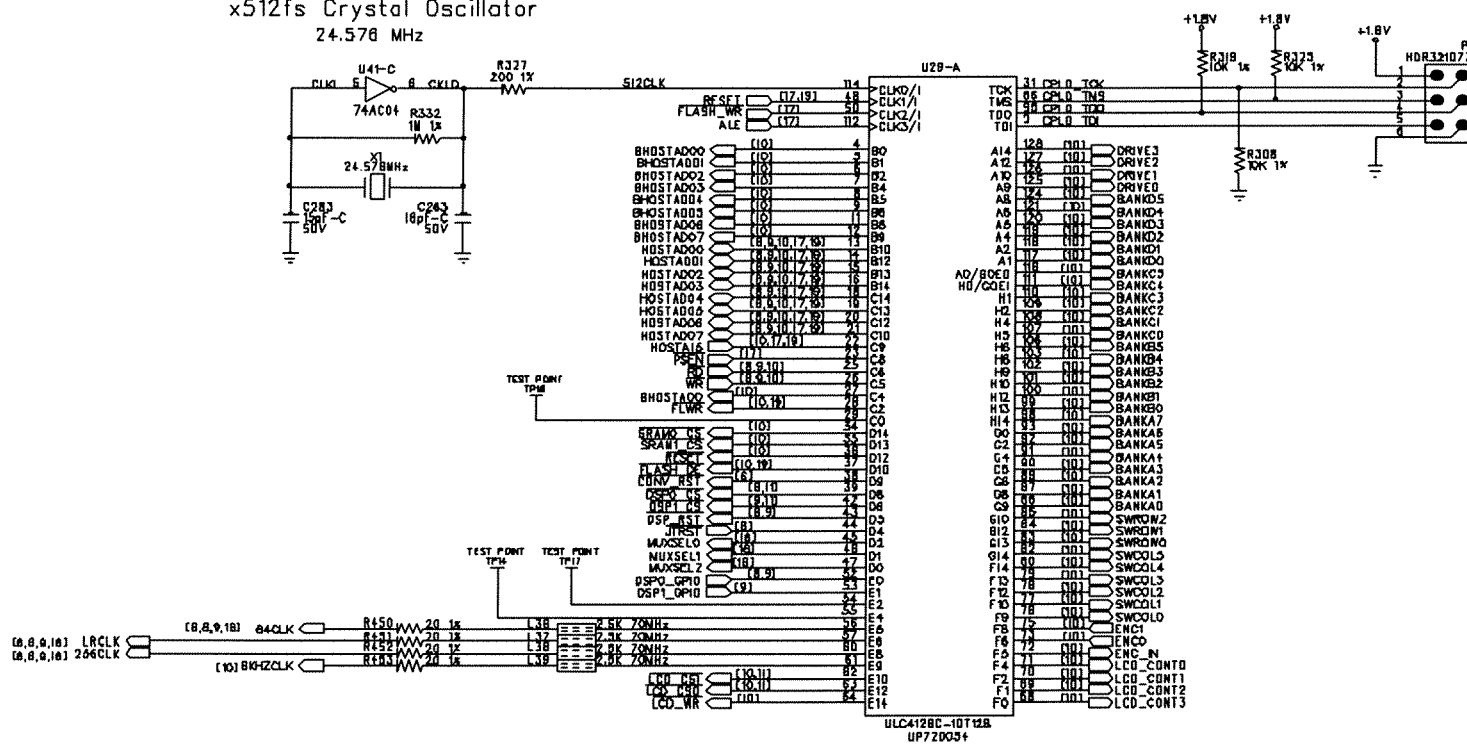
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DATE: 12-23-02	DRAWING NO: 05-1796	SHEET: 7 OF 20

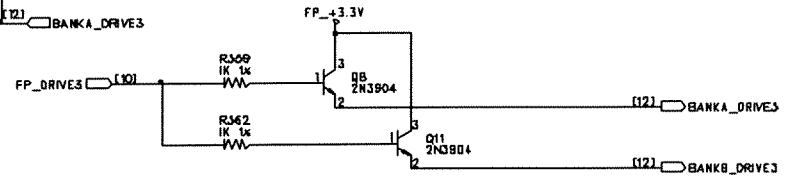
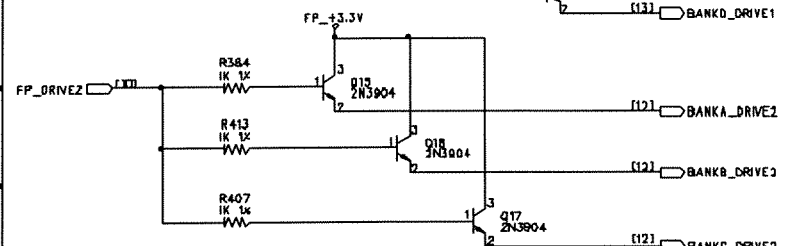
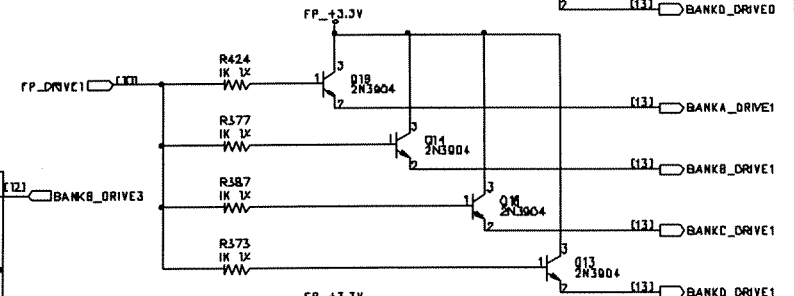
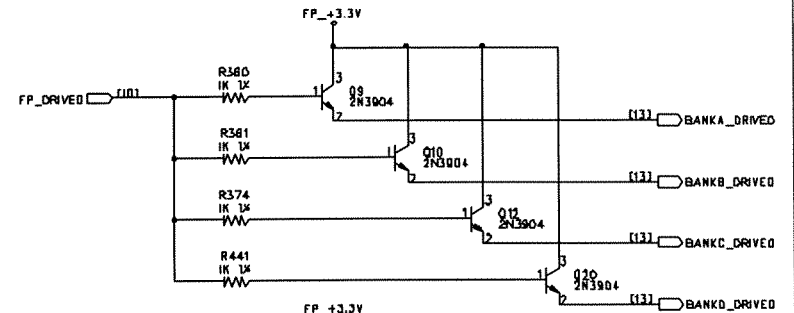
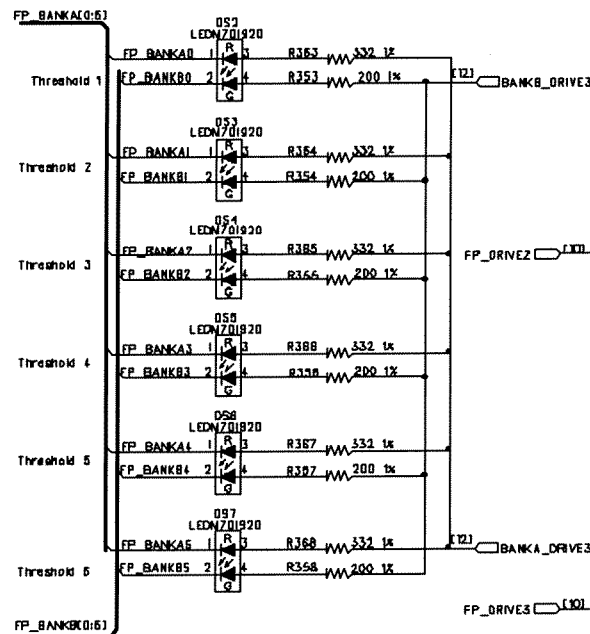
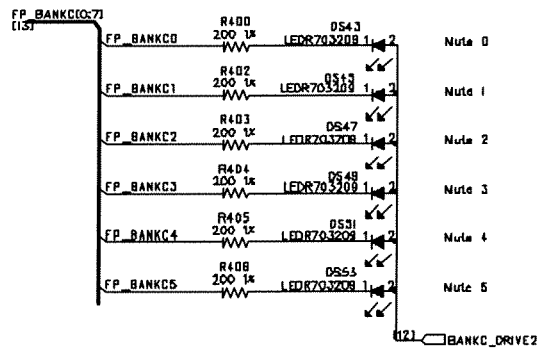
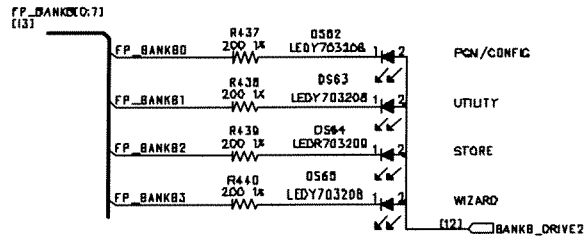
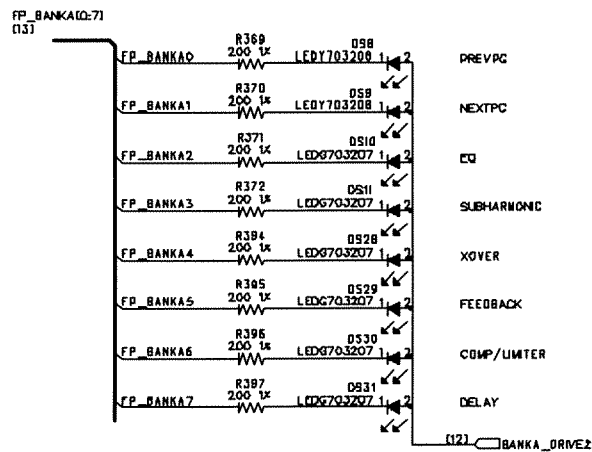






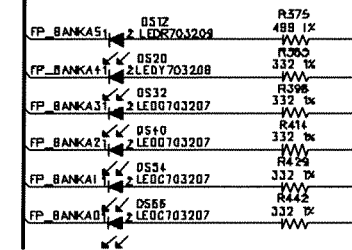
x512fs Crystal Oscillator
24.576 MHz





FP_BANKA(0:7)
(12,13)

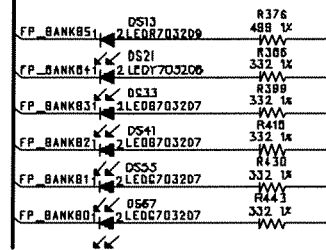
INPUT CHANNEL 1



BANKA_DRIVE0 (12)

LP1
24-2012-5FP_BANKB(0:7)
(12,13)

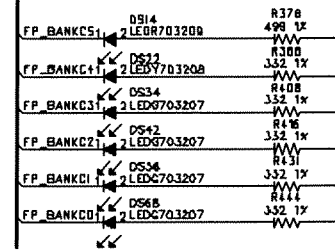
INPUT CHANNEL 2



BANKB_DRIVE0 (12)

LP2
24-2012-5FP_BANKC(0:7)
(12,13)

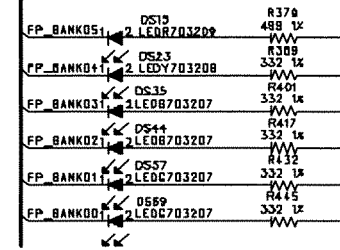
OUTPUT CHANNEL 1



BANKC_DRIVE0 (12)

LP3
24-2012-5FP_BANKD(0:7)
(13)

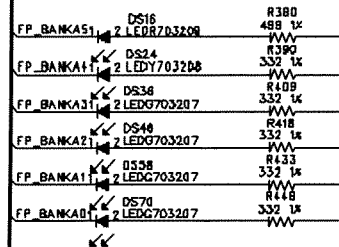
OUTPUT CHANNEL 2



BANKD_DRIVE0 (12)

LP4
24-2012-5FP_BANKA(0:7)
(12,13)

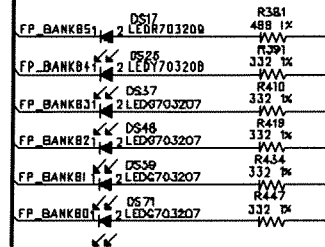
OUTPUT CHANNEL 3



BANKA_DRIVE1 (12)

LP5
24-2012-5FP_BANKB(0:7)
(12,13)

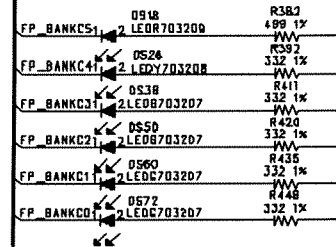
OUTPUT CHANNEL 4



BANKB_DRIVE1 (12)

LP6
24-2012-5FP_BANKC(0:7)
(12,13)

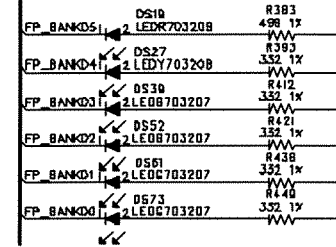
OUTPUT CHANNEL 5



BANKC_DRIVE1 (12)

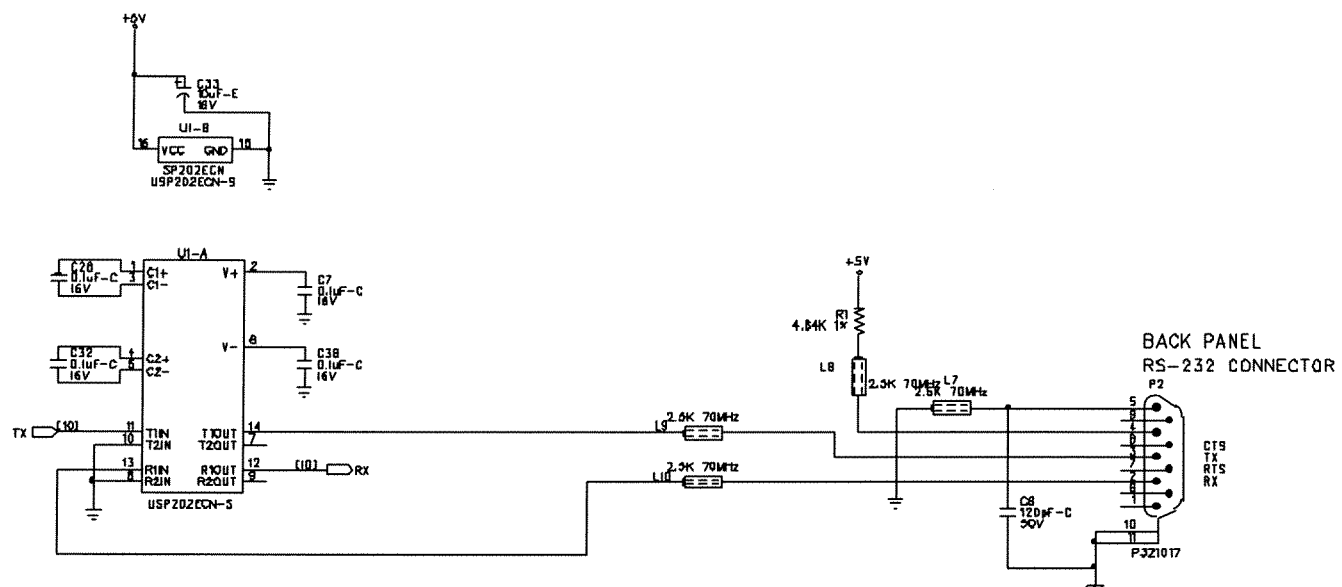
LP7
24-2012-5FP_BANKD(0:7)
(13)

OUTPUT CHANNEL 6

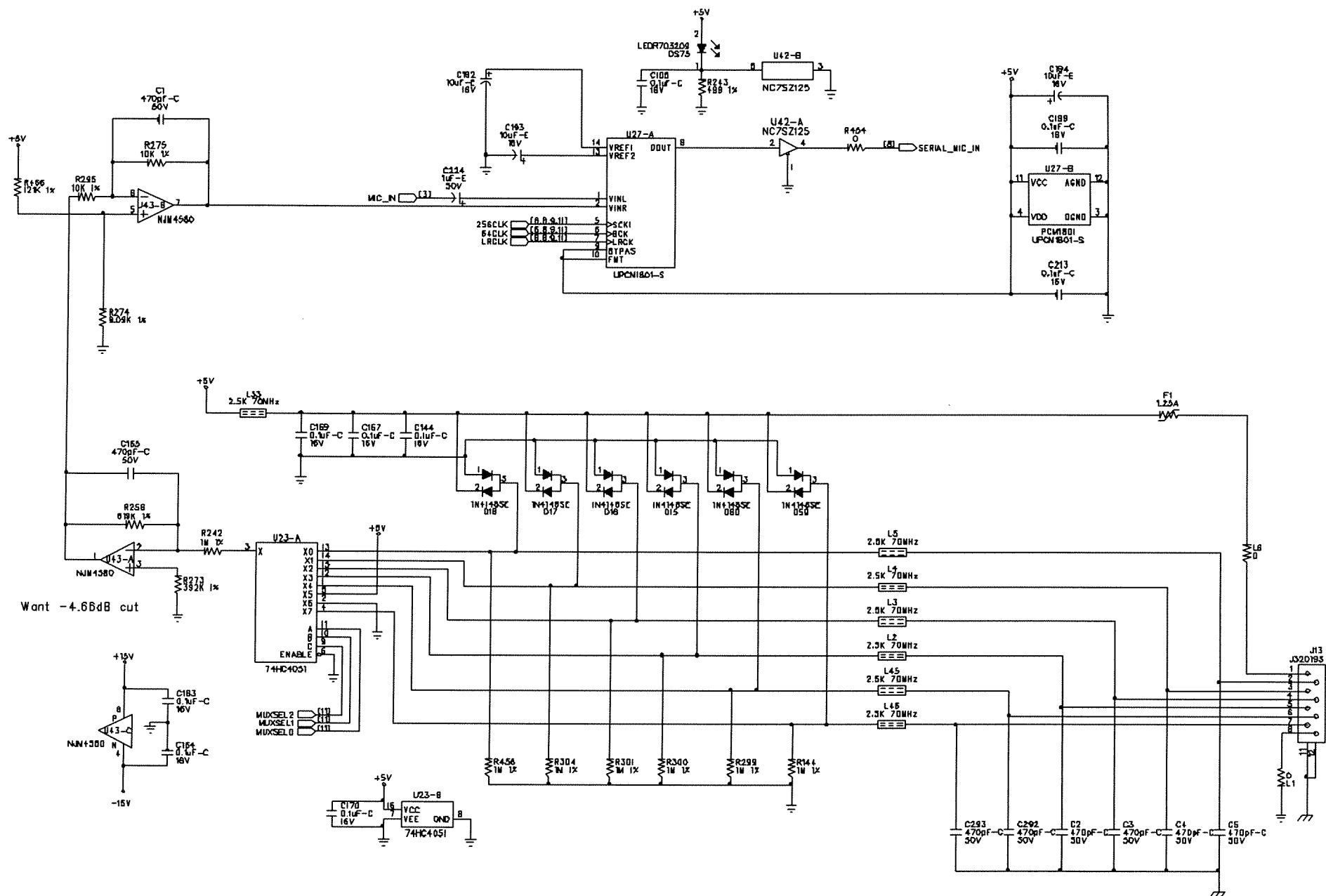


BANKD_DRIVE1 (12)

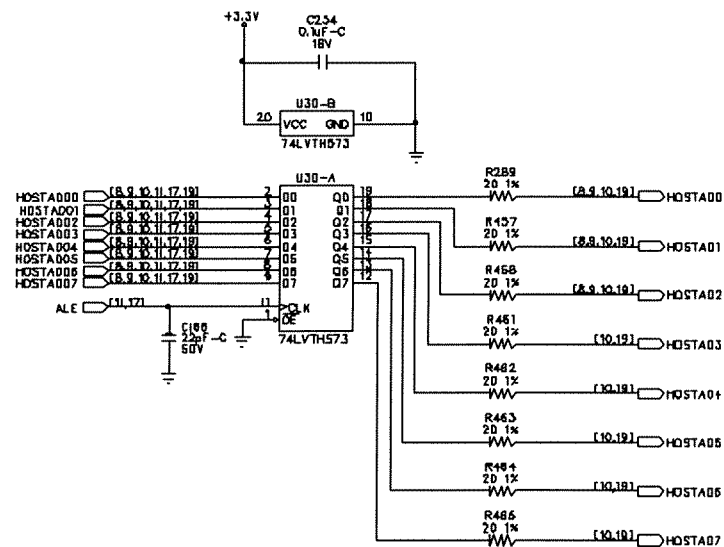
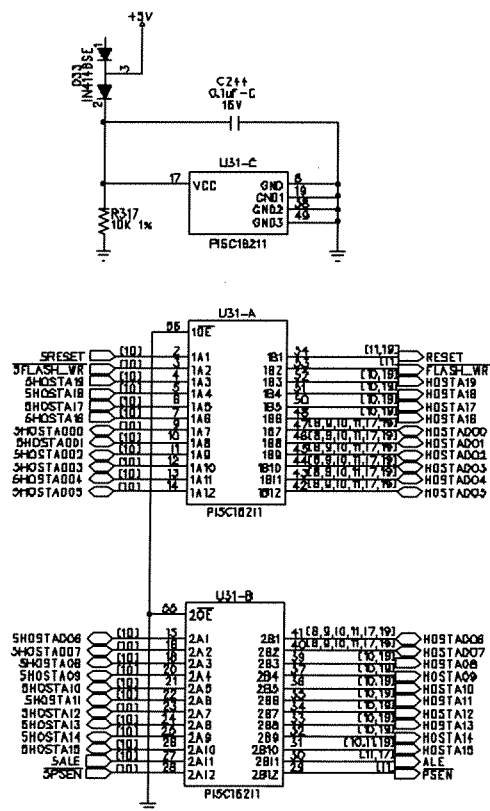
LP8
24-2012-5

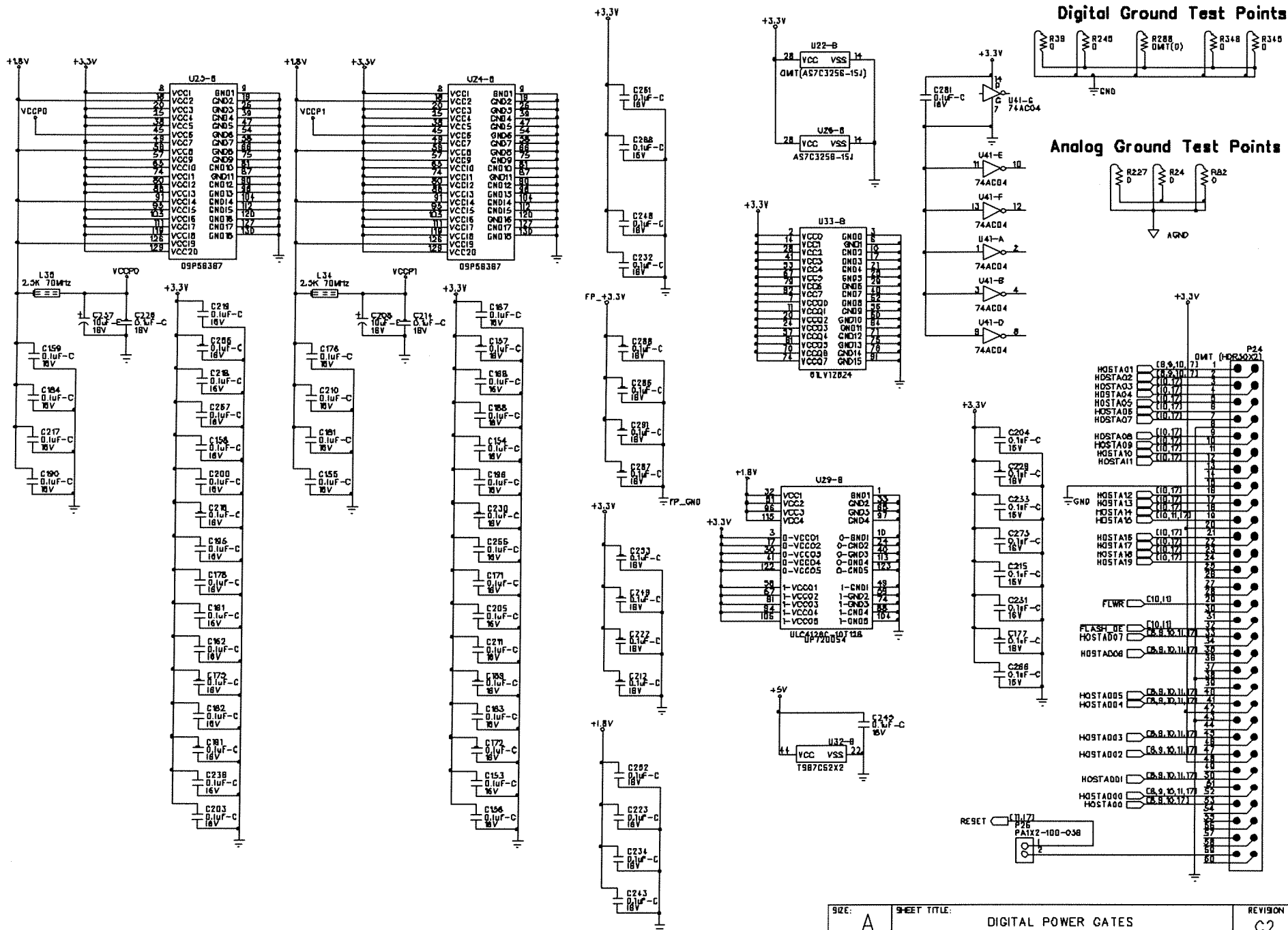


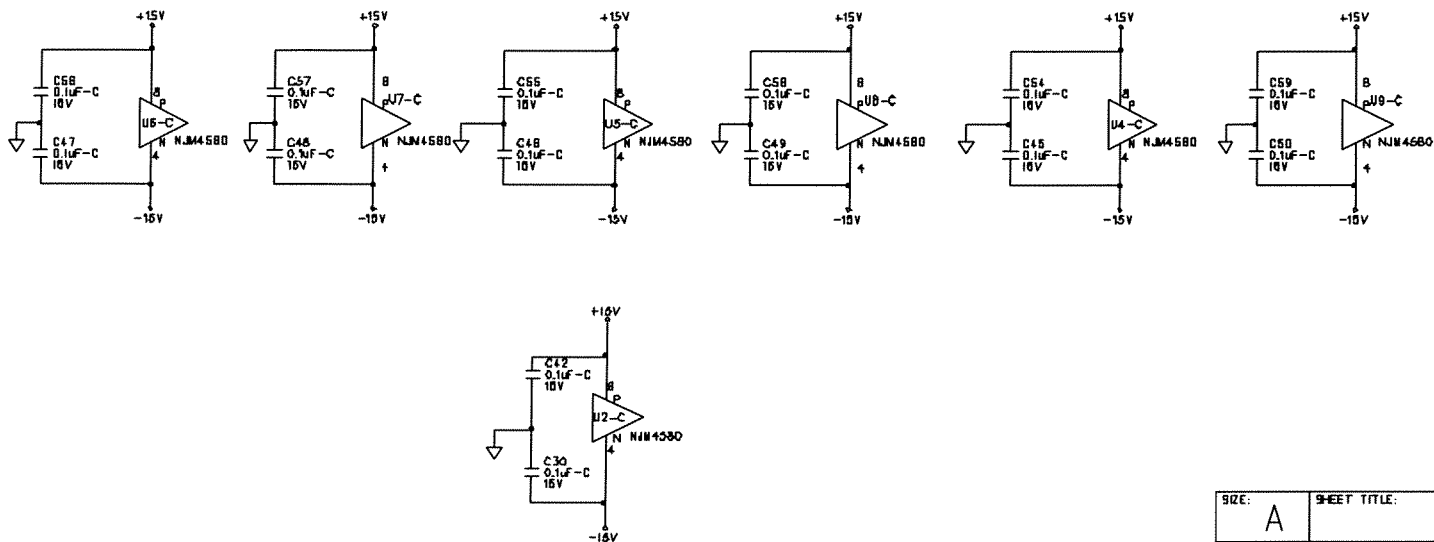
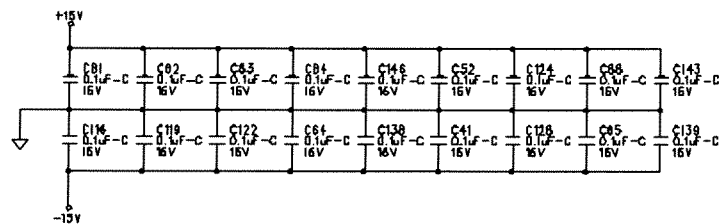
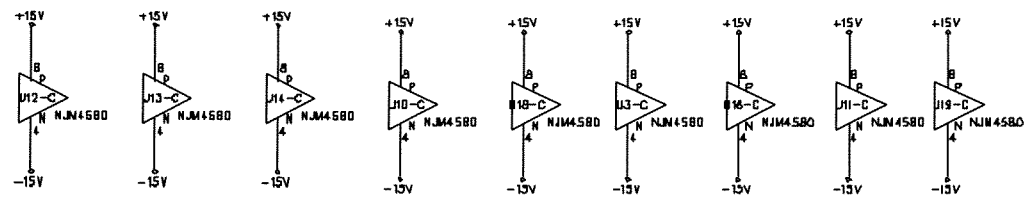
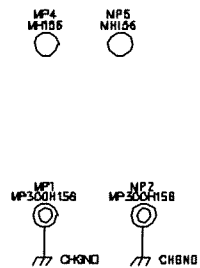
SIZE: A	SHEET TITLE: RS-232		REVISION: C2
DATE: 12-23-02	DRAWING NO: 05-1796	SHEET: 15 OF 20	



SIZE: A	SHEET TITLE: CONTACT CLOSURE		REVISION: C2
DATE: 12-23-02	DRAWING NO: 05-1796	SHEET: 16 OF 20	







SIZE: A	SHEET TITLE: ANALOG POWER GATES	REVISION: C2
START DATE: 12-23-02	DRAWING NO: 05-1796	SHEET: 20 OF 20

Page 1

051796C2.PPS						
1	P30	32-1055	HDR, 20 PIN, 0.1" SPC, 2 X 10, VERT, MALE	PT1340	HDR321055	HC102
1	P23	32-1071	HDR, 5 PIN, 0.1" SPC, 1 X 5, LCK, POL, VERT, MALE	PT1621	HDR321071	HC51LPM
1	P1	32-1077	HDR, 6 PIN, 0.1" SPC, 2 X 3, VERT, MALE	PT1683	HDR321077	HC32
1	P5	32-1243	HDR 3 PIN .098 SPC 3X1 SHROUDED VERTICAL MT.	PT1876	HDR321243	HC31V98SP
8	P3-4 P8-13	32-1994	HDR 12 PN .1" SPC 2X6 VRT MT	PT2435	HDR321994	HC62V100M
1	P20	OMIT	OMIT HDR 14 PIN 0.1" SPC 2 X 7 VERT MALE (32-1083)	PT2127	HDR321083-0	HC72
1	J13	32-0193	JACK RJ45 SINGLE PORT 8 PIN R/A PCB MNT SHLD	PT2872	J320193	JRJ45_8P-LONG-SH LD
3	J1-3	32-0206	CON, JACK, XLR, R/A, PCA A SERIES	PT1219	J320206	XLRF-1
16	JP1-10 JP12-17	32-1075	JUMPER, MINI, .100 SPC	PT1415	JP321075	PCBNUL
1	JP11	OMIT	OMIT JUMPER MINI .100 SPC (32-1075)	PT2873	JP321075-0	PCBNUL
6	K1-6	72-5146	RELAY DPDT 12VDC POL SM	PT2219	K725146	KSLIM-8P
1	LBL1	30-0121	LABEL BARCODE AUTOINSERTABLE RAW	PT2790	LABEL300121	LABEL300121
38	DS10-11 DS28-42	70-3207	LED GREEN D1206 T&R	PT1902	LEDG703207	D1206
	DS44 DS46 DS48 DS50					
	DS52 DS54-61					
	DS66-73					
6	DS2-7	70-1920	LED RED/GRN WT/DIF SM 1210 TA	PT2428	LEDM701920	LED1210
18	DS1 DS12-19 DS43	70-3209	LED RED D1206 T&R	PT1901	LEDR703209	D1206
	DS45 DS47 DS49 DS51					
	DS53 DS64 DS74-75					
13	DS8-9 DS20-27	70-3208	LED YELLOW D1206 T&R	PT1900	LEDY703208	D1206
	DS62-63 DS65					
2	L43-44	26-0215	IND FBD 70 OHM @ 100MHZ RIC200 TA	PT1262	LFB260215	RIC200
40	L2-5 L7-39 L42	26-0217	IND FBD 2.5K OHM @ 70MHZ 0805 TA	PT1261	LFB260217	0805
	L45-46					
2	L40-41	26-0002	IND PWR 100uH 3A	PT2754	LI260002	UP3B
2	LP1-2	NON-PART	NON-PART 6 POS NOT INSTALLED UNTIL MECHANICAL ASSY(LIGHT PIPE)	PT1967	LP242015-6	LP242015-6
6	LP3-8	NON-PART	NON-PART 8 POS NOT INSTALLED UNTIL MECHANICAL ASSY(LIGHT PIPE)	PT1968	LP242015-8	LP242015-8
1	GP1	NON-PART	NON-PART MECCA GND/PWR TIE POINT 4 POS	PT2482	MECCA4	MECCA4
8	MH1 MH3-8 MH10	NON-PART	NON-PART, MOUNTING HOLE, 0.130" NON-PLATED, #4	PT1242	MH130	MH130
3	MH2 MP4-5	NON-PART	NON-PART MOUNTING HOLE 0.156" NON-PLATED #6	PT2832	MH156	MH156
2	MH11-12	NON-PART	NON-PART TOOLING PIN HOLE 156MIL HOLE	PT2794	MH156-TOOL	MH156-TOOL
1	MH9	NON-PART	NON-PART MECHANICAL PLATED HOLE 225 PAD 130 HOLE #4	PT1998	MP225H130	MP225H130
2	MP1-2	NON-PART	NON-PART, MECHANICAL PLATED HOLE, 300 PAD, 156 HOLE, #6	PT1045	MP300H156	MP300H156
1	MP3	NON-PART	NON-PART SMT HEATSINK DIMPLE 300P 156H #6	PT2816	MP300H156-HSDMP	MP300H156-HSDMP
6	J4-9	32-0204	CON PLUG XLR R/A PCA A SERIES	PT1218	P320204	XLRM-1
1	P2	32-1017	CON JACK DCONN DUAL PORT 9P RA MALE PC MNT	PT1931	P321017	DCON9PM
14	P6-7 P14-19 P21-22	NON-PART	NON-PART PD ARY 2 PN 0.100" SPC 0.039" HLE	PT1645	PA1X2-100-039	PA1X2-100-039
	P26-27 P29 P31					
17	Q2 Q4-6 Q8-20	70-1058	XSTR, 2N3904, NPN, SOT-23, T&R	PT1203	Q2N3904-S	SOT-23
2	Q1 Q3	70-1059	XSTR 2N3906 PNP SOT-23 SM TA	PT1057	Q2N3906-S	SOT-23
16	R2-3 R5-6 R123 R230	50-1300	RES 0 5% 1/16W SM 0603 TA	PT2508	R0-B5-0603	0603
	R241 R244 R249 R266					
	R292 R316 R342 R344					
	R347 R454					
7	R122 R126 R229	OMIT	OMIT RES 0 5% 1/16W SM 0603 TA (50-1300)	PT2509	R0-B5-06030	0603
	R236-238 R248					
4	L1 L6 R127 R235	50-1531	RES 0 5% 1/10W SM 0805 TA	PT1099	R0-C5-0805	0805
7	R24 R39 R82 R227	50-0317	RES 0 5% 1/4W CF RR TA	PT1008	R0-E5-R	RRA200
	R245 R345 R348					
1	R288	OMIT	OMIT RES 0 5% 1/4W CF RR TA (50-0317)	PT1596	R0-E5-RO	RRA200
4	R14 R17 R20 R23	52-1339	RES 10.2K 1% 1/16W SM 0603 TA	PT2591	R10.2KB1-0603	0603
14	R25 R40 R147 R150	52-1340	RES 10.7K 1% 1/16W SM 0603 TA	PT2592	R10.7KB1-0603	0603
	R153 R156 R159 R162					
	R200 R203 R206 R209					
	R212 R215					
15	R33-38 R142 R234	52-1304	RES 100 1% 1/16W SM 0603 TA	PT2512	R100-B1-0603	0603
	R270 R277 R281 R284					
	R287 R291 R311					
6	R141 R178-179	52-1360	RES 100K 1% 1/16W SM 0603 TA	PT2613	R100KB1-0603	0603
	R263-264 R335					
62	R80-81 R84 R87 R90	52-1338	RES 10K 1% 1/16W SM 0603 TA	PT2584	R10KB1-0603	0603
	R93 R96 R99 R102					
	R105 R108 R111 R114					
	R117 R143 R175 R233					
	R239-240 R246-247					
	R250 R257-260					
	R267-269 R271-272					
	R275-276 R278-280					
	R282-283 R285-286					
	R290 R293-298					

	R305-309 R312 R315						
	R317-319 R325-326						
	R330-331 R343						
1	R329	OMIT	OMIT RES 10K 1% 1/16W SM 0603 TA (52-1338)	PT2628	R10KB1-06030	0603	
1	R466	52-1361	RES 121K 1% 1/16W SM 0603 TA	PT2614	R121KB1-0603	0603	
1	R338	52-1362	RES 150K 1% 1/16W SM 0603 TA	PT2615	R150KB1-0603	0603	
17	R9-10 R29-30 R146	52-1344	RES 15K 1% 1/16W SM 0603 TA	PT2596	R15KB1-0603	0603	
	R151-152 R157-158						
	R163 R182-187 R190						
4	R125 R217 R219 R255	52-1305	RES 169 1% 1/16W SM 0603 TA	PT2513	R169-B1-0603	0603	
21	R27 R79 R140	52-1313	RES 1K 1% 1/16W SM 0603 TA	PT2550	R1KB1-0603	0603	
	R188-189 R191 R195						
	R333 R359-362						
	R373-374 R377 R384						
	R387 R407 R413 R424						
	R441						
9	R144 R242 R299-301	52-1372	RES 1M 1% 1/16W SM 0603 TA	PT2625	R1MB1-0603	0603	
	R304 R320 R332 R456						
4	R124 R168 R226 R254	52-1317	RES 2.21K 1% 1/16W SM 0603 TA	PT2555	R2.21KB1-0603	0603	
4	R120 R181 R222 R265	52-1318	RES 2.49K 1% 1/16W SM 0603 TA	PT2556	R2.49KB1-0603	0603	
6	R44 R50 R56 R62 R68	52-1319	RES 2.67K 1% 1/16W SM 0603 TA	PT2557	R2.67KB1-0603	0603	
	R74						
14	R289 R310 R334	52-1300	RES 20 1% 1/16W SM 0603 TA	PT2507	R20-B1-0603	0603	
	R450-453 R457-458						
	R461-465						
28	R313 R327 R341 R346	52-1306	RES 200 1% 1/16W SM 0603 TA	PT2514	R200-B1-0603	0603	
	R353-358 R369-372						
	R394-397 R400						
	R402-406 R437-440						
1	R339	52-1364	RES 221K 1% 1/16W SM 0603 TA	PT2617	R221KB1-0603	0603	
16	R4 R7 R164 R167	52-1316	RES 2K 1% 1/16W SM 0603 TA	PT2553	R2KB1-0603	0603	
	R176-177 R180 R193						
	R221 R225 R251						
	R261-262 R321-322						
	R455						
12	R43 R46 R49 R52 R55	52-1322	RES 3.16K 1% 1/16W SM 0603 TA	PT2560	R3.16KB1-0603	0603	
	R58 R61 R64 R67 R70						
	R73 R76						
6	R45 R51 R57 R63 R69	52-1323	RES 3.24K 1% 1/16W SM 0603 TA	PT2561	R3.24KB1-0603	0603	
	R75						
15	R119 R148-149	52-1324	RES 3.32K 1% 1/16W SM 0603 TA	PT2562	R3.32KB1-0603	0603	
	R154-155 R160-161						
	R201-202 R207-208						
	R213-214 R224 R323						
50	R26 R32 R194	52-1307	RES 332 1% 1/16W SM 0603 TA	PT2543	R332-B1-0603	0603	
	R363-368 R385-386						
	R388-393 R398-399						
	R401 R408-412						
	R414-421 R429-436						
	R442-449 R459						
5	R165-166 R252-253	50-1325	RES 33K 5% 1/16W SM 0603 TA	PT2589	R33KB5-0603	0603	
	R336						
1	R314	52-1301	RES 39.2 1% 1/16W SM 0603 TA	PT2515	R39.2-B1-0603	0603	
13	R41 R128-133	52-1355	RES 39.2K 1% 1/16W SM 0603 TA	PT2608	R39.2KB1-0603	0603	
	R169-174						
1	R273	52-0000	RES 392K 1% 1/10W SM 0603 TA	PT2892	R392KB1-0603	0603	
4	R15-16 R21-22	52-1325	RES 4.02K 1% 1/16W SM 0603 TA	PT2563	R4.02KB1-0603	0603	
1	R78	52-1326	RES 4.32K 1% 1/16W SM 0603 TA	PT2564	R4.32KB1-0603	0603	
12	R42 R47-48 R53-54	52-1327	RES 4.53K 1% 1/16W SM 0603 TA	PT2565	R4.53KB1-0603	0603	
	R59-60 R65-66						
	R71-72 R77						
4	R1 R192 R197 R460	52-1328	RES 4.64K 1% 1/16W SM 0603 TA	PT2568	R4.64KB1-0603	0603	
12	R134-139 R199	52-1329	RES 4.99K 1% 1/16W SM 0603 TA	PT2566	R4.99KB1-0603	0603	
	R204-205 R210-211						
	R216						
18	R196 R198 R218 R220	52-1308	RES 499 1% 1/16W SM 0603 TA	PT2545	R499-B1-0603	0603	
	R223 R232 R243						
	R302-303 R328						
	R375-376 R378-383						
6	R86 R92 R98 R104	52-1331	RES 5.76K 1% 1/16W SM 0603 TA	PT2576	R5.76KB1-0603	0603	
	R110 R116						
15	R8 R11-13 R18-19	52-1332	RES 6.04K 1% 1/16W SM 0603 TA	PT2577	R6.04KB1-0603	0603	

12	R28 R31 R85 R91 R97 R103 R109 R115 R324 R83 R88-89 R94-95 R100-101 R106-107 R112-113 R118	52-1303	RES 60.4 1% 1/16W SM 0603 TA	PT2511	R60.4-B1-0603	0603
2	R145 R231	52-1309	RES 619 1% 1/16W SM 0603 TA	PT2546	R619-B1-0603	0603
1	R256	52-0196	RES 619K 1% 1/10W SM 0603 TA	PT2894	R619KB1-0603	0603
1	R337	52-1358	RES 63.4K 1% 1/16W SM 0603 TA	PT2611	R63.4KB1-0603	0603
11	R340 R349-352 R422-423 R425-428	52-1335	RES 7.5K 1% 1/16W SM 0603 TA	PT2581	R7.5KB1-0603	0603
2	R121 R228	52-1336	RES 8.06K 1% 1/16W SM 0603 TA	PT2582	R8.06KB1-0603	0603
1	R274	52-1337	RES 9.09K 1% 1/16W SM 0603 TA	PT2583	R9.09KB1-0603	0603
1	P25	38-0001	RBN CBL 20 COND. 0.1", 4.25"	PT2772	RC20-380001	RC380001
1	SC1	34-0125	SWITCH CAP, BLACK, ROUND	PT1354	SC340125	SC340125-FPE
6	SC16-21	24-2017-A	SWITCHCAP dbx LIGHTED MUTE BUTTON	PT2025	SC242017A	
12	SC2-13	34-0199-A	SWITCH CAP dbx LIGHTED	PT2024	SC340199A	PCBNULL
1	S32	70-3168	SKT 44 PIN PLCC SM TA	PT2419	SKT44-703168	PLCC-44SKT
1	SW1	44-0050	SWITCH DPDT MINI IN-OUT 6 PIN E-SWITCH	PT1256	SW440050	SW440050
1	SW6	44-0119	ENCODER 20mm D SHAFT 30 POS W/SWITCH VERT MOUNT	PT1890	SW440119	SW440119
18	SW2-5 SW7-20	44-0185	SWITCH, SPST, LITE TOUCH, MINI, W/ PROJECTED PLUNGER SMT	PT1962	SW440185	SW4PTACT-3
18	TP1-18	NON-PART	NON-PART, TEST POINT, ENGINEERING PROBE POINT	PT1653	TESTPOINT	TESTPOINTSM
1	U33	72-1488	IC 128K x 24 STATIC RAM 9ns 3.3V QFP100-14X20	PT2469	U128K24S9-3.3-Q	QFP100-14X20
1	U39	72-0046	IC 25AA640 64K SERIAL EEPROM TA	PT2774	U25AA260	S08
1	U26	72-6318	IC 32K x 8 SRAM 15ns SOJ28	PT2294	U32K8S15-J	SOJ28-300
1	U22	OMIT	OMIT IC 32K x 8 SRAM 15ns SOJ28 (72-6318)	PT2874	U32K8S15-JO	SOJ28-300
1	U41	72-5426	IC, 74AC04, HEX INVERTER, SO14, T&R	PT1325	U74AC04-S	SO14
1	U23	72-0085	IC 74HC4051 ANALOG MUX/DEMUX SO16	PT1927	U74HC4051-S	SO16
1	U30	72-0063	IC 74LVTH573 3.3V ABT 8-LATCH 3-STATE SSO20 TR	PT2856	U74LVTH573-P	SSOP20
1	U15	72-1485	IC AK4356 192kHz 24 BIT 6 CHANNEL DAC	PT2717	UAK4356-Q	QFP44-10X10
1	U17	72-1464	IC, AK5392, DUAL 24BIT ADC, SO28W	PT1555	UAK5392-S	SO28W
2	U24-25	72-6305	IC DSP56367 DSP 150MHZ QFP144-20X20	PT2452	UDSP56367-Q	QFP144-20X20
1	U21	70-0070	V-REG L7815CD2T +15V 1A TA	PT2817	UL7815CD2T-S	TO263(D2PAK)
1	U20	70-0069	V-REG L7915CD2T -15V 1A TA	PT2819	UL7915CD2T-S	TO263(D2PAK)
2	U34-35	70-0063	V-REG LM2575S-ADJ SWITCHING REG 1A TO-263(5)	PT2739	ULM2575S-ADJ	TO-263(5)
1	U36	70-0072	V-REG LM317DT 1.2V TO 37V ADJ 0.5A TA	PT2866	ULM317DT-S	TO252(DPACK)
3	U37-38 U42	72-5434	IC NC7SZ125 TINYLOGIC BUFFER SOT23-5 TA	PT1881	UNC7SZ125-S	SOT23-5
1	U44	72-0068	IC NCP302H VOLTAGE DETECTOR SM SOT23-5	PT2869	UNCP302H	SOT23-5
18	U2-14 U16 U18-19 U40 U43	72-1480	IC NJM4580 DUAL OP-AMP SO8	PT1374	UNJM4580-S	S08
1	U29	72-0054-00V1	IC CPLD LC4128C-10T128 128 MC 92I/O SM dbx Driverack 260 V1	PT2859	UP720054	TQFP128
1	U32	72-0061-00V1	IC TS87C52X2 8 BIT OTP MICRO 5V 30Mhz dbx Driverack 260 V1	PT2868	UP720061	PLCC-44
1	U28	72-0062-00V1	IC AM29LV800BT 70ns 8 MEG FLASH dbx DRIVERACK 260 V1	PT2827	UP720062	TSOP48
1	U27	72-0055	IC PCM1801 16-BIT ADC 93DB SM	MTB	UPCM1801-S	SO14
1	U31	72-0059	IC PI5C16211 24 BIT BUS SWITCH 5V-3V TSSOP	PT2860	UPI5C16211-TS	TSSOP56
1	U1	72-0056	IC SP202ECN RS-232 DUAL DRIVER/RECEIVER SM	MTB	USP202ECN-S	SO16
1	Y1	76-0000	XTAL 22.1184MHZ HC49 18PF SM TR	PT2829	Y22.1184M760000	XTAL2-V
1	X1	76-0006	XTAL 24.576MHZ SMT CX16F/CS49G PKG	PT2713	Y24.576M760006	YCX16F/CX49G