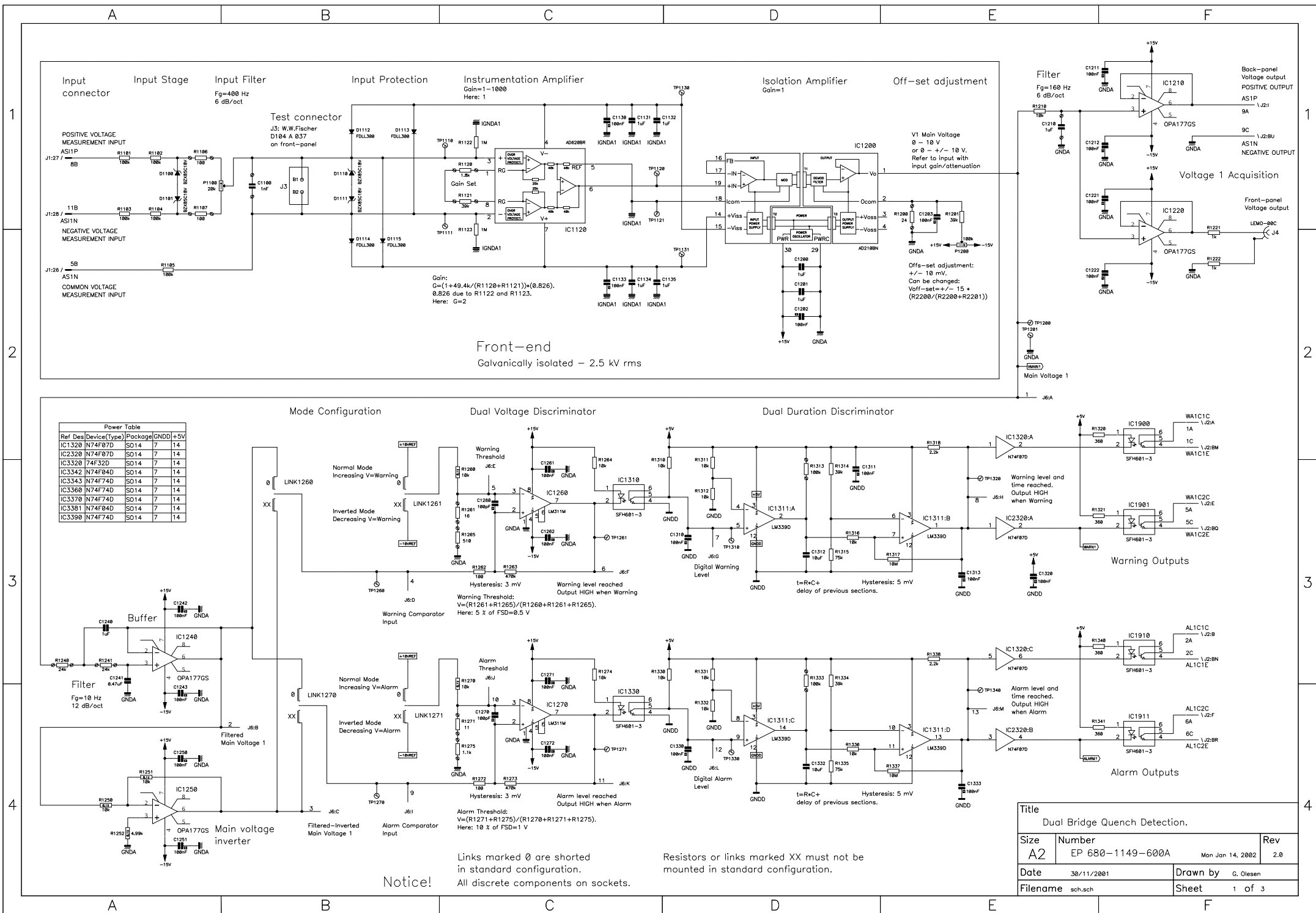
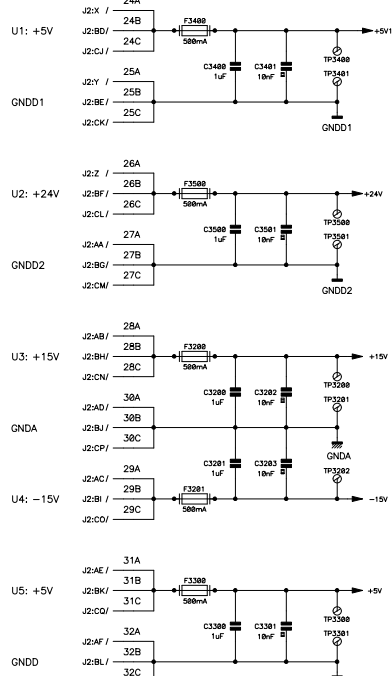
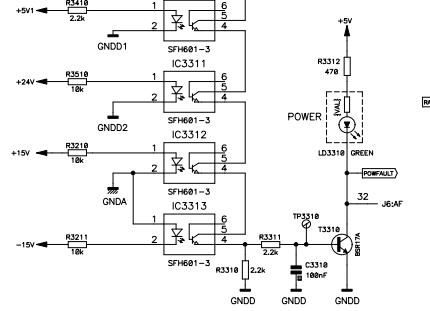




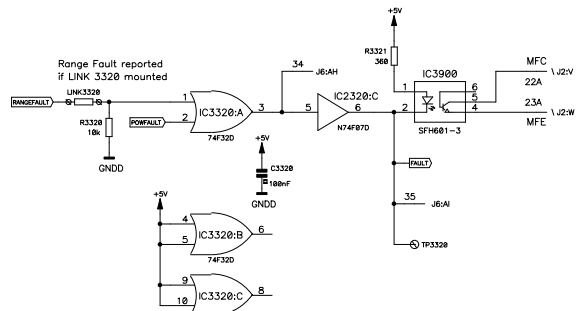
Power Supplies



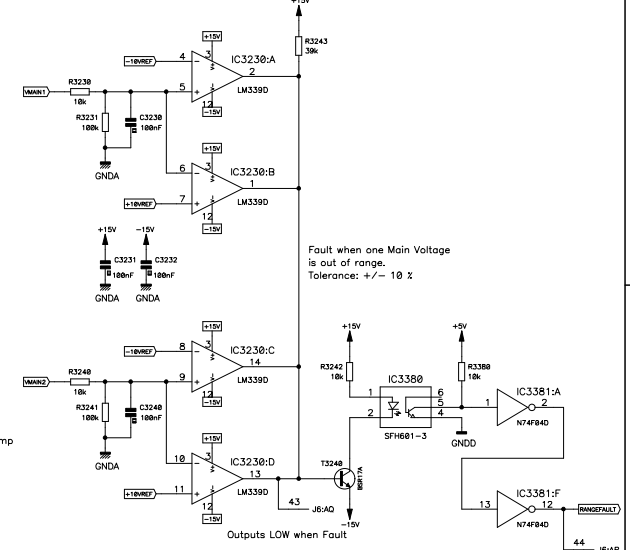
Power Supplies Test



Module Fault Test

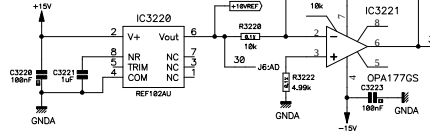


Dual Window Discriminator

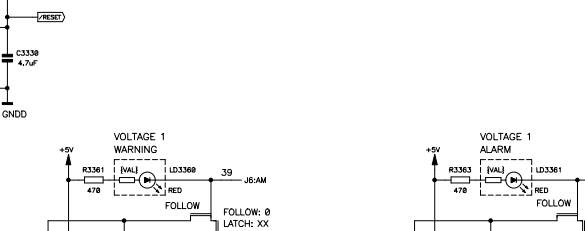


Positive 10 V reference supply

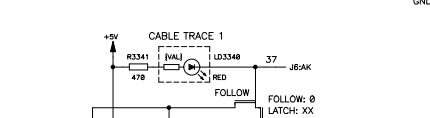
Reference Voltage Inverter



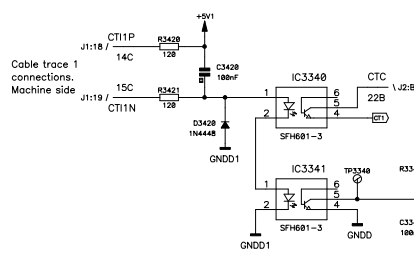
Hard-Wired Fast Dump



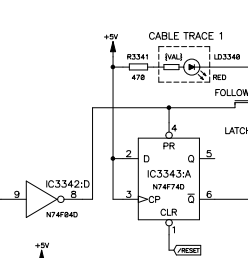
Reset Circuit



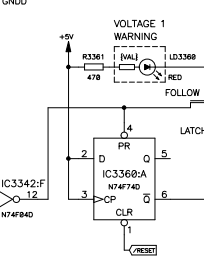
Cable Trace 1 Treatment



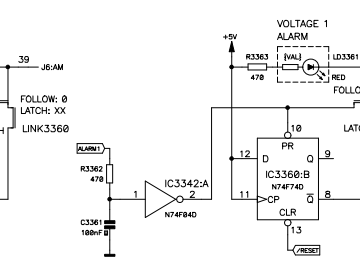
Cable Trace 1 Error Latch



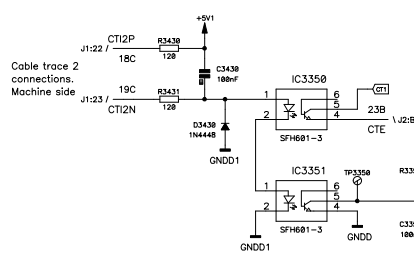
Warning 1 Latch



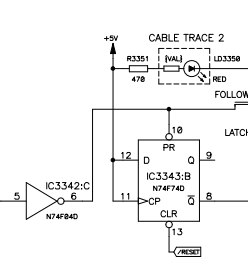
Alarm 1 Latch



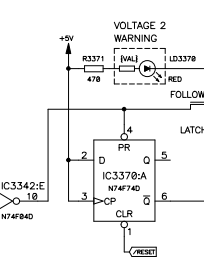
Cable Trace 2 Treatment



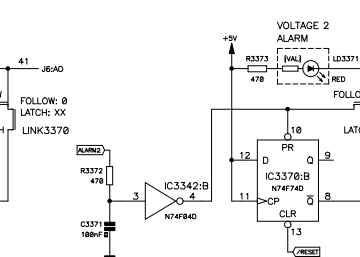
Cable Trace 2 Error Latch



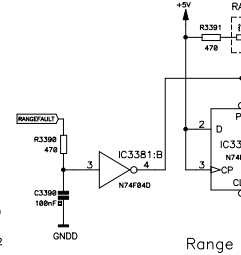
Warning 2 Latch



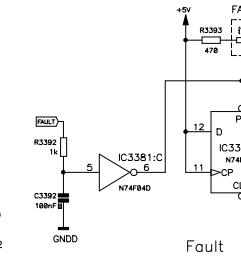
Alarm 2 Latch



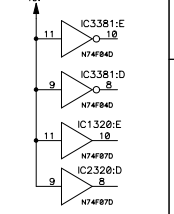
Range Error Latch



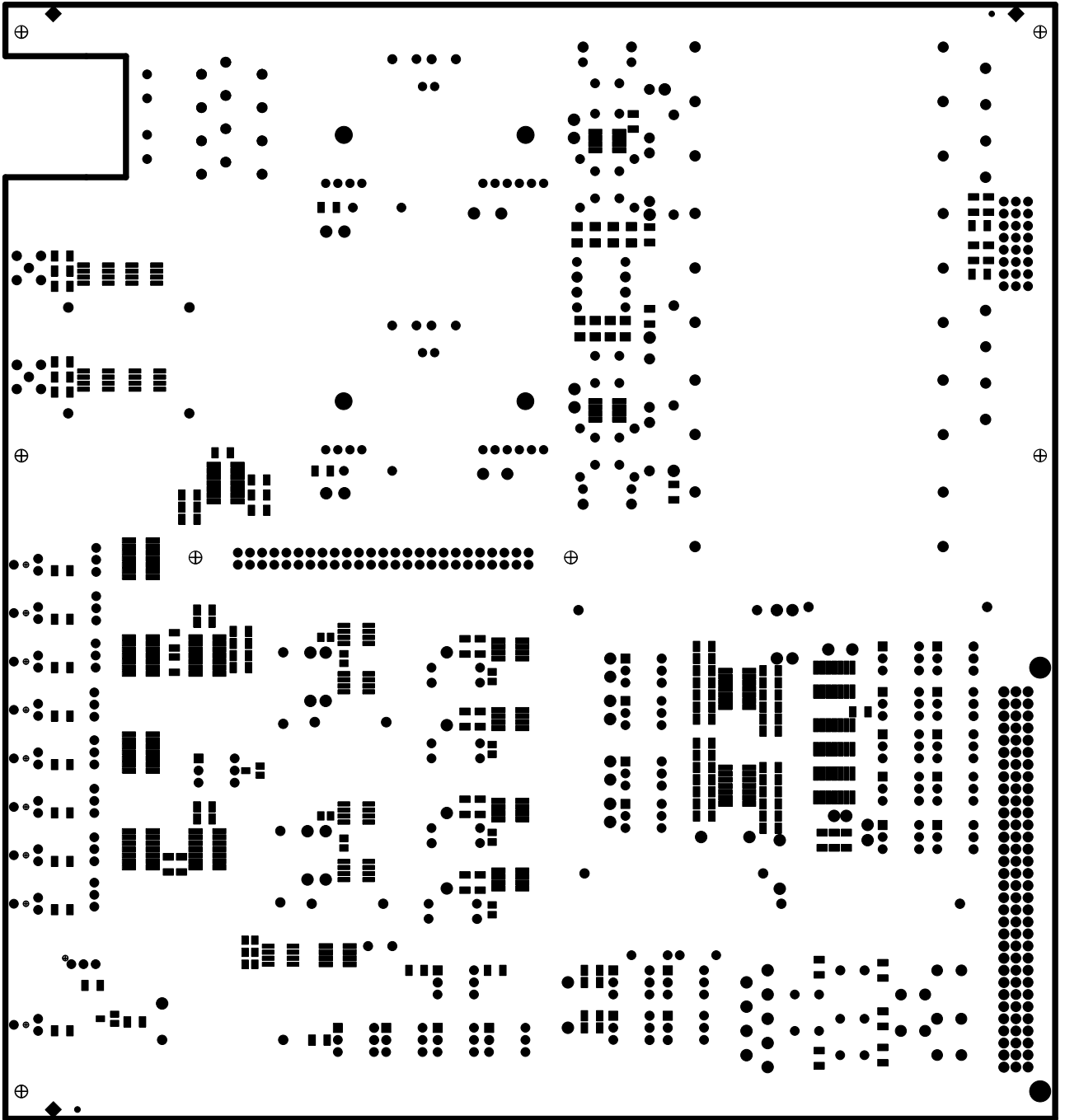
Fault Latch



Unused



Title		
Dual Bridge Quench Detection.		
Size	Number	Rev
A2	EP 680-1149-600A	2.0
Date	30/11/2001	Drawn by G. Olesen
Filename	sch.sch	Sheet 3 of 3

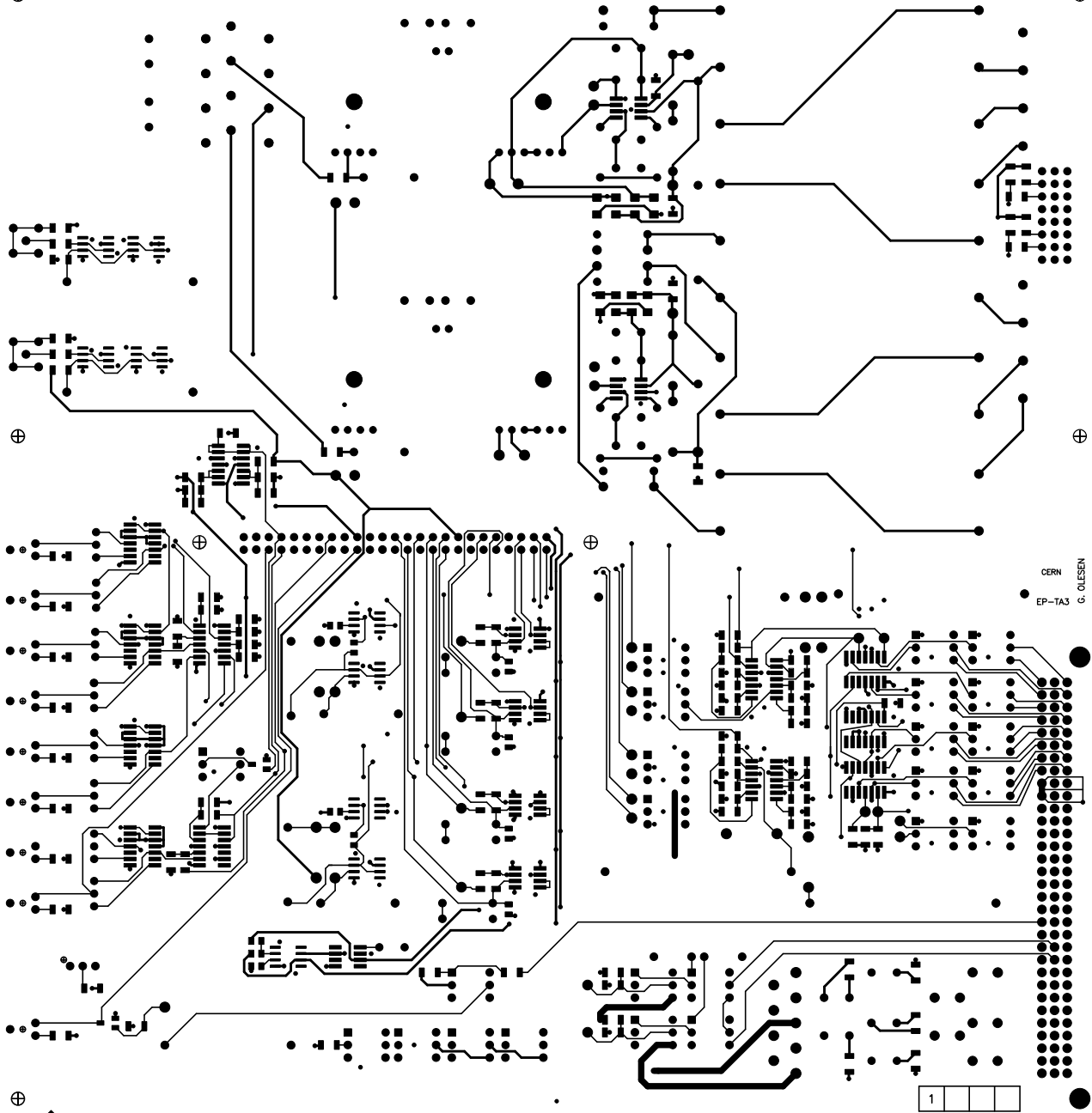


EP-TA3

Name	DBQD
Job No	EP-688-1149-688-A
Drawn By	FE
DATE	11/01/2002

TOP MASK

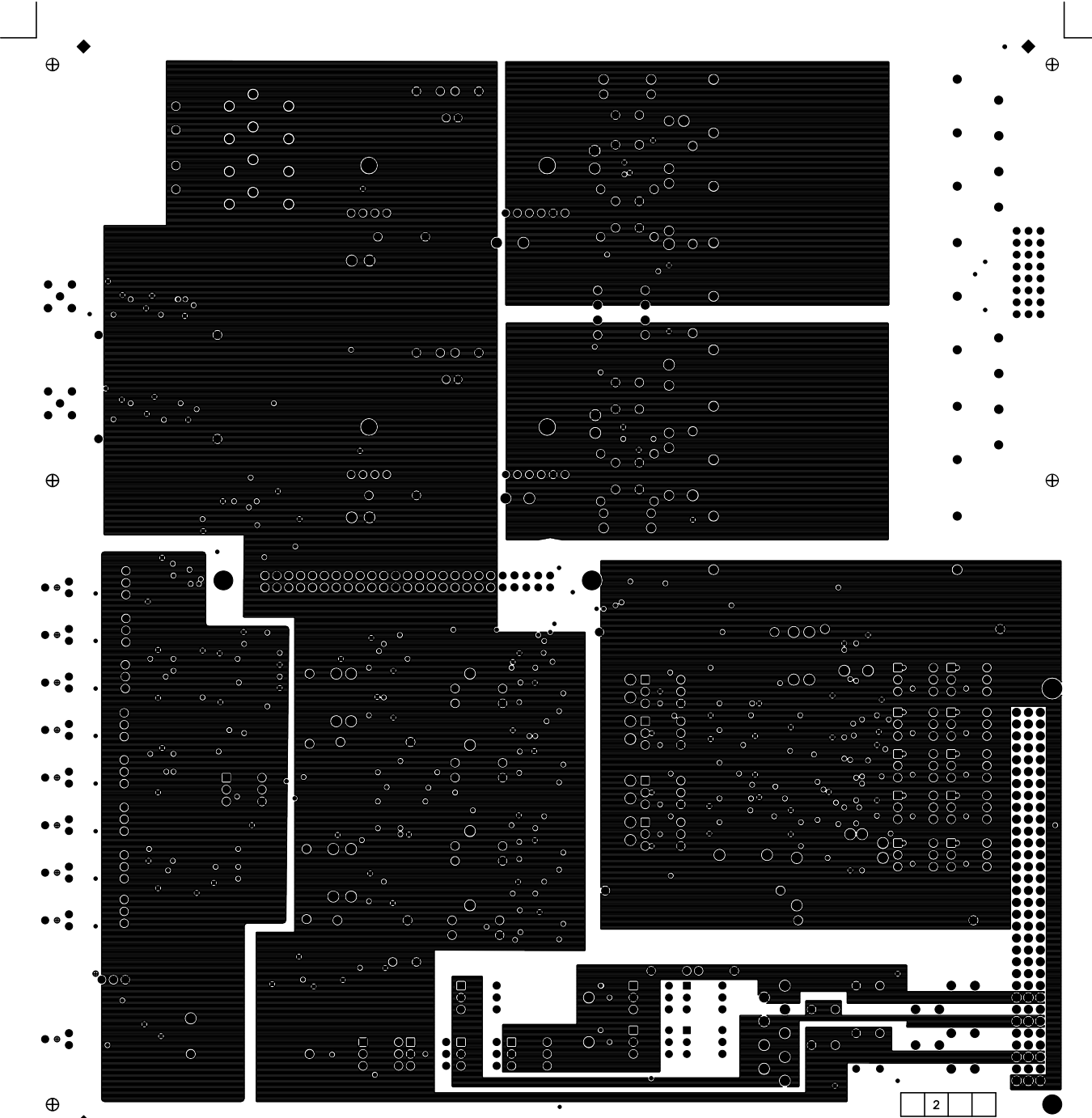
⊕



CERN
OLESEN
EP-TA3 G

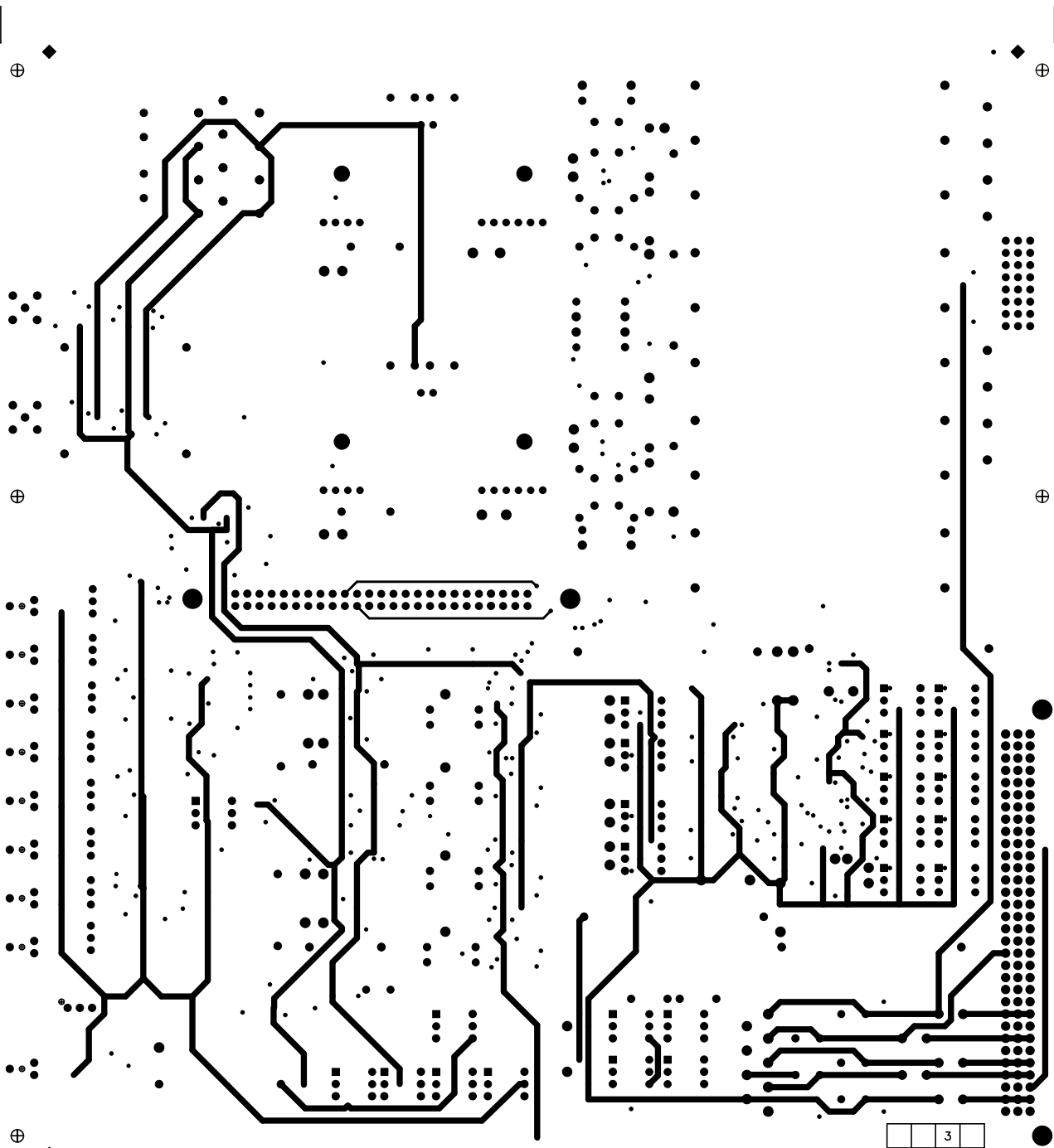
 EP-TA3	Name	DBQD
	Job No	EP-688-1149-688-A
	Drawn By	FE
	DATE	11/01/2002

TOP



Name	DBQD
Job No	EP-688-1149-688-A
Drawn By	FE
DATE	11/01/2002

EP-TA3

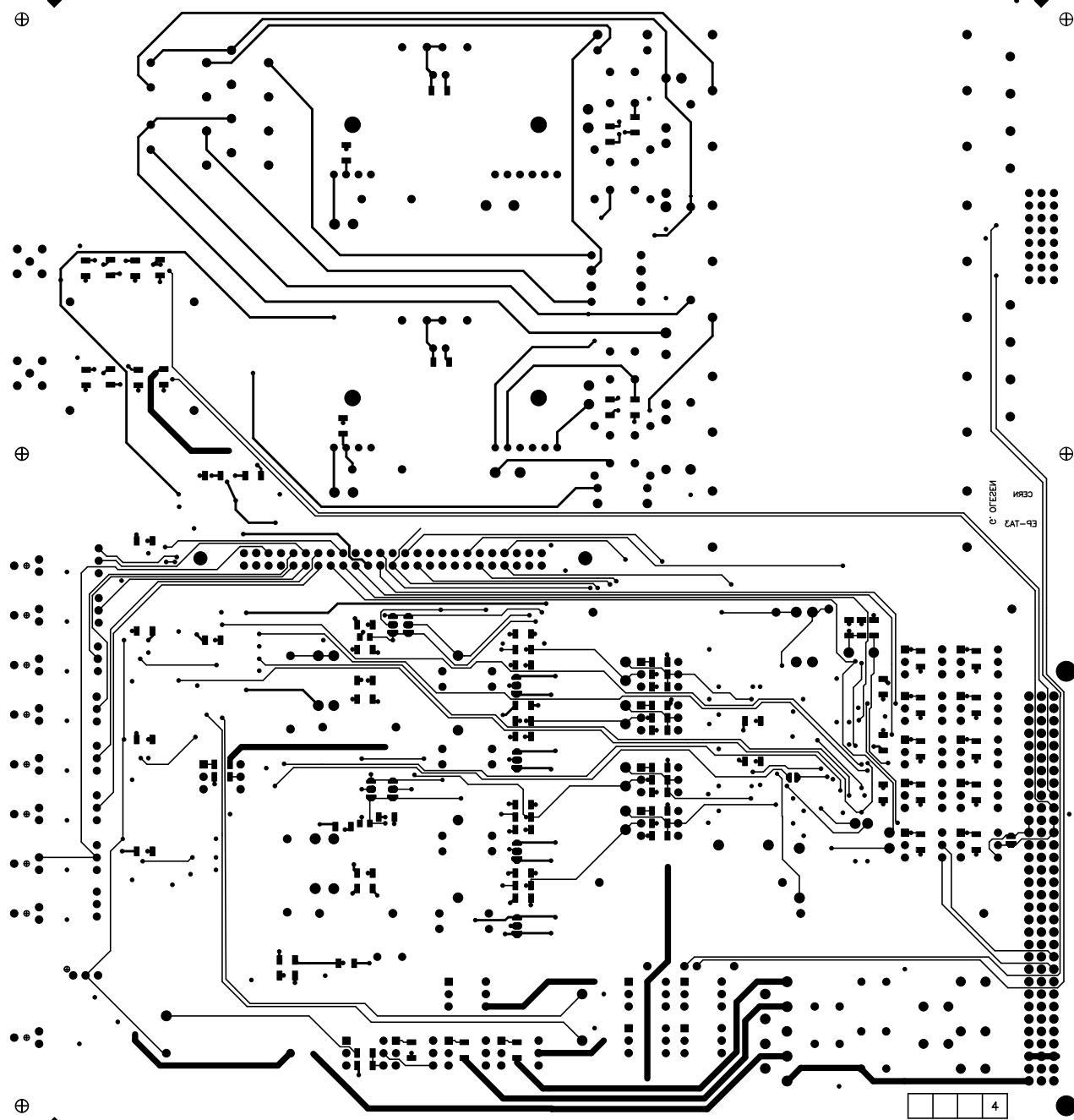


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EP-TA3

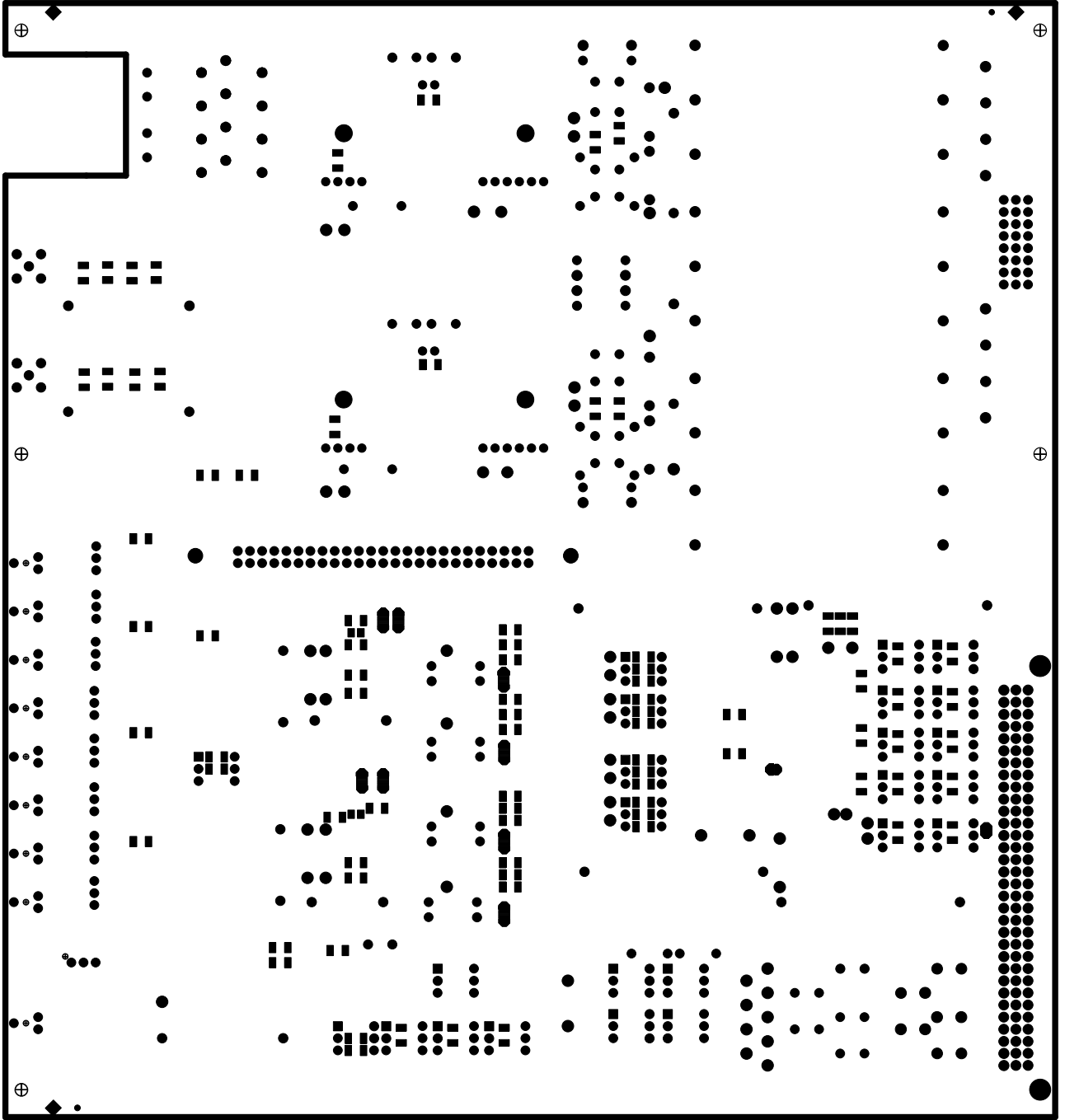
Name	DBQD
Job No	EP-688-1149-688-A
Drawn By	FE
DATE	11/01/2002



EP-1A3
CERN

EP-1A3	
DATE	11/01/2005
Drawn By	FE
Job No	EP-080-1143-080-A
Name	DB0D

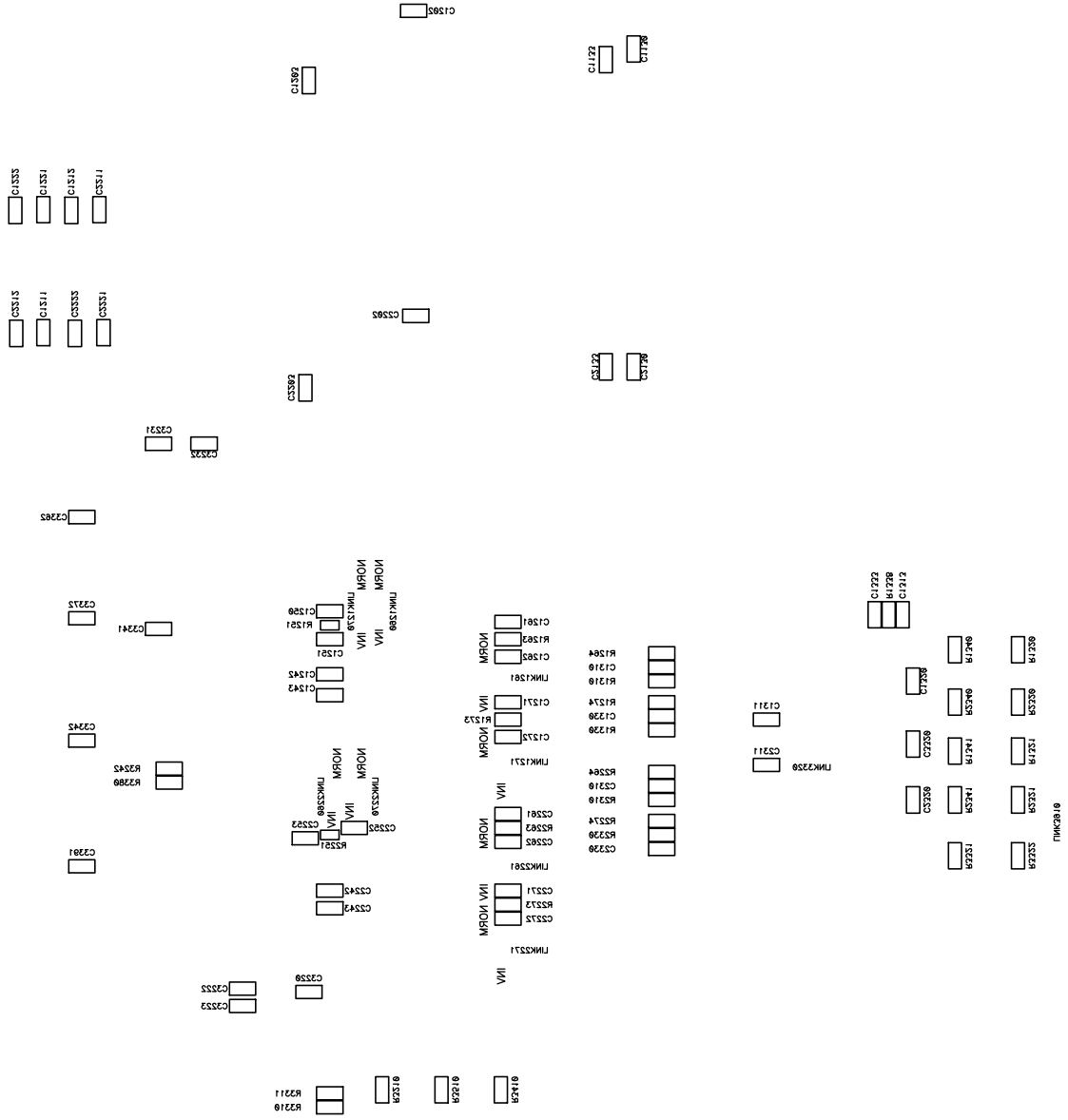
MOTOT

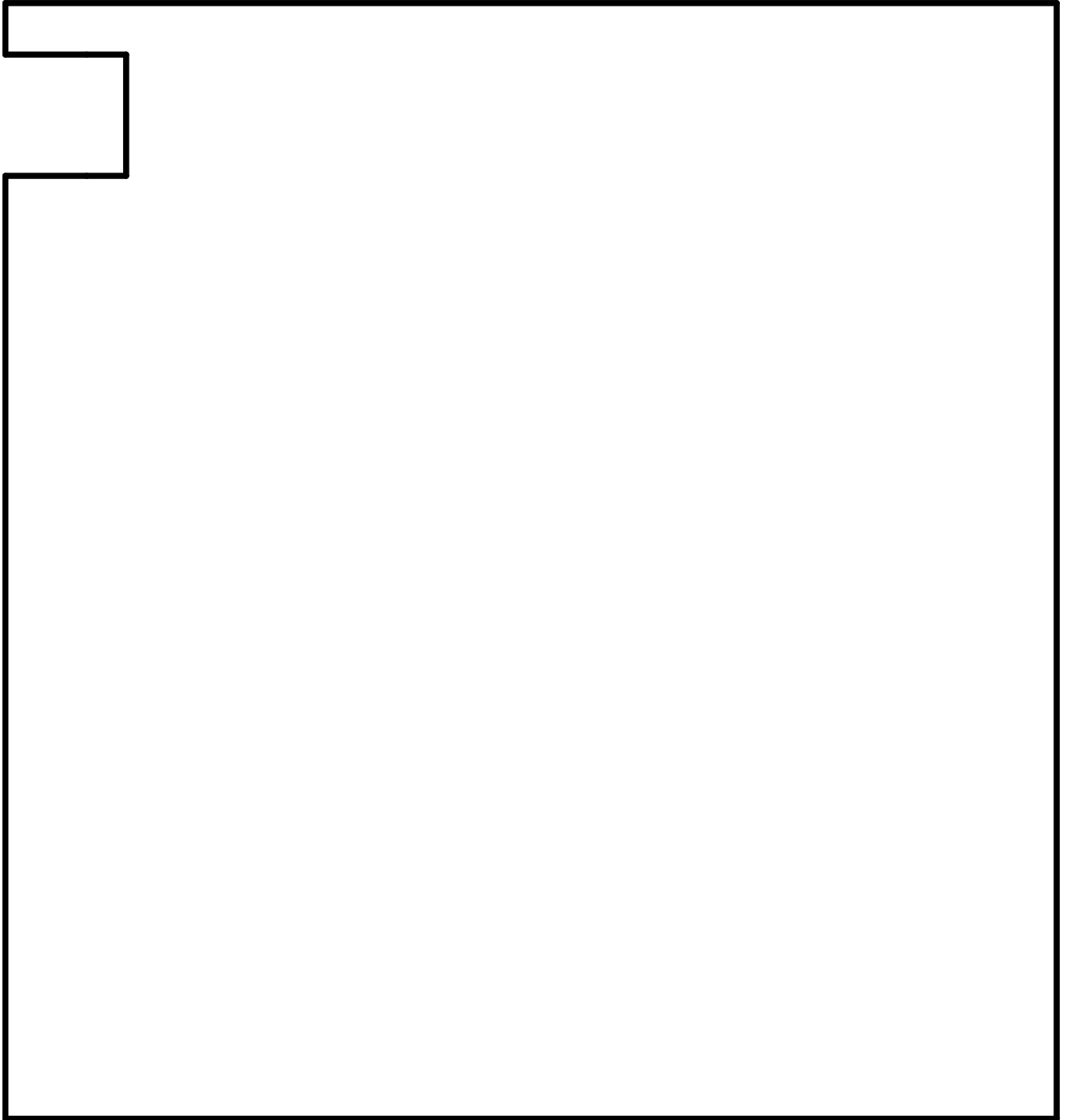


EP-AT3	
DATE	11/01/2005
Drawn By	FE
Job No	EP-080-1143-080-A
Name	DBOD

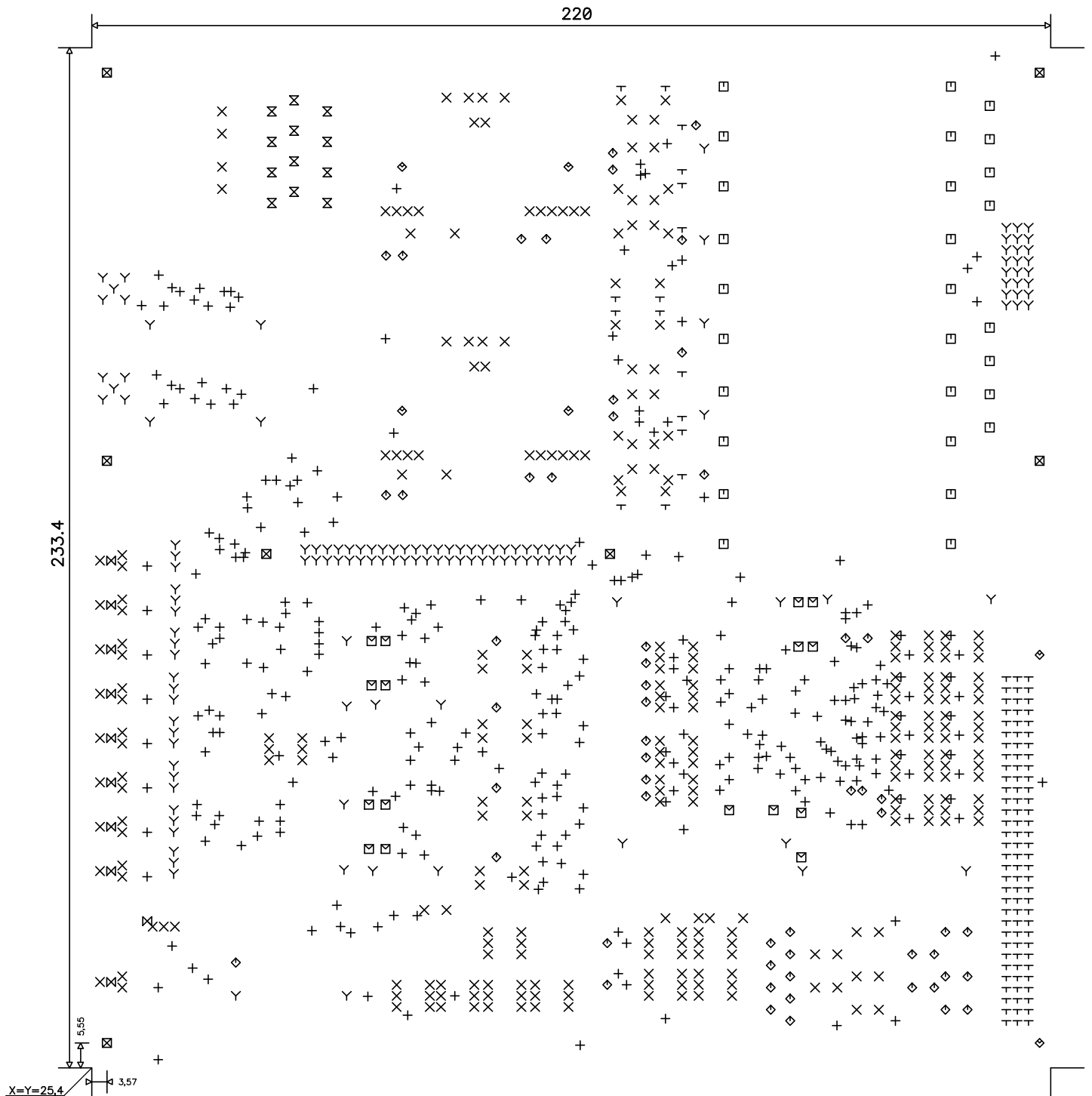
BOTTOM MASK

DBQ EP-680-1149-600-A





Drill Table			
Hole Dia (mm)	Symbol	Quantity	Plated
0.400	+	339	Yes
0.800	X	278	Yes
0.900	Y	134	Yes
1.000	⊖	112	Yes
1.100	⊠	12	Yes
1.200	□	28	Yes
1.200	⊞	10	No
1.300	◇	56	Yes
1.400	⊞	16	Yes
2.600	◇	6	Yes
2.700	⊞	8	Yes



Name	DBQD
Job No	EP-680-1149-600-A
Drawn By	FE
DATE	11/01/2002

EP-TA3

EP 680-1149-600-A							
Dual Bridge Quench Detection							
Nom du client:		Olesen G.		Numéro de code budget:		33170	
DATE:		1/22/2002 9:45					
Dessinateur:		Franck EUDARIC		Liste crée par:		Franck Eudaric	
Materiel du Module							
Materiel monté sur le circuit							
QTY	SCEM/NAME	Description	Value	Outline	Volt./ w.	Tol.	Parts
Standard Magasin (SCEM)							
☐	5	06.73.03.500.8	Vertical fuse holder for PCB	FUSE HOLDER			SKF1-SKF2,SKF4-SKF5,SKF8
☐	5	06.73.50.028.8	PCB Micro-Miniature Fuse	500mA	0.5A		F3200-F3201,F3300,F3400,F3500
☐	1	07.88.10.300.6	Unipolar Switch PushButton	1840.6131			SW3330
☐	8	07.88.10.650.7	3mm Single Red LED with Resistor	26.05.1.2.1.1	RED		LD3340,LD3350,LD3360-LD3361,LD3370-LD3371,LD3390-LD3391
☐	1	07.88.10.670.3	3MM Single Green LED with Resistor	26.05.1.0.1.1	GREEN		LD3310
☐	46	07.88.24.360.3	PCB Welded Test Pin	Test Pin			TP1110-TP1111,TP1120-TP1121,TP1130-TP1131,TP1200-TP1201,TP1260-TP1261,TP1270-TP1271,TP1310,TP1320,TP1330,TP1340,TP2110-TP2111,TP2120-TP2121,TP2130-TP2131,TP2200-TP2201,TP2260-TP2261,TP2270-TP2271,TP2310,TP2320,TP2330,TP2340,TP3200-TP3202,TP3300-TP3301,TP3310,TP3320-TP3321,TP3340,TP3350,TP3400-TP3401,TP3500-TP3501
☐	2	08.51.11.100.3	Small Signal Switching Diode	1N4448	DO35		D3420,D3430
☐	8	08.51.46.218.5	BZX85 Zener Diode	18V	DO41	1.1W	D1100-D1101,D1110-D1111,D2100-D2101,D2110-D2111
☐	2	08.53.00.010.1	NPN Switching Transistor	BSR17A	SOT23		T3240,T3310
☐	4	08.56.93.074.8	Dual D Type Flip-Flop Whith Set And Reset	N74F74D	SOIC14		IC3343,IC3360,IC3370,IC3390
☐	2	08.56.96.004.2	Hex. Inverters	74F04D	SOIC14		IC3342,IC3381
☐	2	08.56.96.007.9	Hex.Buffer/Driver(Open Collector)	74F07D	SOIC14		IC1320,IC2320
☐	1	08.56.96.032.8	4x2-Input Positive OR Gates	74F32D	SOIC14		IC3320
☐	24	08.57.71.155.2	Optoelectronic coupler	SFH601-3	DIP6_3		IC1310,IC1330,IC1900-IC1901,IC1910-IC1911,IC2310,IC2330,IC2900-IC2901,IC2910-IC2911,IC3310-IC3313,IC3330,IC3340-IC3341,IC3350-IC3351,IC3380,IC3900,IC3910

EP 680-1149-600-A							
Dual Bridge Quench Detection							
Nom du client:		Olesen G.	Numéro de code budget:		33170		
DATE:		1/22/2002 9:45					
Dessinateur:		Franck EUDARIC	Liste crée par:		Franck Eudaric		
Materiel du Module							
Materiel monté sur le circuit							
QTY	SCEM/NAME	Description	Value	Outline	Volt./ w.	Tol.	Parts
☐ 2	09.46.11.180.6	PCB 50 Ohms LEMO Right Angle Connector	LEMO50C		50 ohms		J4-J5
☐ 1	09.55.05.650.5	3M 50 Pins Straight Male Connector		55056505			J6
☐ 1	09.61.33.315.7	Right Angle 3x32pins Male connector for PCB	0903.196.2921				J2
☐ 4	10.03.04.200.1	SMD Ceramic Capacitor	100pF	C1206	50V		C1260,C1270,C2260,C2270
☐ 5	10.03.04.400.5	SMD Multilayer Chip Ceramic Capacitor	10nF	C1206	50V		C3202-C3203,C3301,C3401,C3501
☐ 69	10.03.04.500.2	SMD Ceramic Capacitor	100nF	C1206	50V		C1130,C1133,C1202-C1203,C1211-C1212,C1221-C1222,C1242-C1243,C1250-C1251,C1261-C1262,C1271-C1272,C1310-C1311,C1313,C1320,C1330,C1333,C2130,C2133,C2202-C2203,C2211-C2212,C2221-C2222,C2242-C2243,C2252-C2253,C2261-C2262,C2271-C2272,C2310-C2311,C2313,C2320,C2330,C2333,C3220,C3222-C3223,C3230-C3232,C3240,C3310,C3320,C3340-C3342,C3350,C3360-C3362,C3370-C3372,C3390-C3392,C3420,C3430,C3520
☐ 18	10.35.07.500.7	Polyester Capacitor 2Steps	1uF		100V		C1131-C1132,C1134-C1135,C1200-C1201,C2131-C2132,C2134-C2135,C2200-C2201,C3200-C3201,C3221,C3300,C3400,C3500
☐ 2	10.36.06.222.8	MKL Metalized Plastic Capacitor	1uF	36062228	250V		C1210,C2210
☐ 1	10.36.06.230.8	MKL Metalized Plastic Capacitor	4.7uF	36062308	250V		C3330
☐ 4	10.36.06.234.4	MKL Metalized Plastic Capacitor	10uF	36062344	250V		C1312,C1332,C2312,C2332
☐ 2	10.41.30.047.7	RECTANGULAR METALISED POLYCARBONATE	0.47uF	41300477	100V		C1241,C2241
☐ 2	10.41.30.100.9	RECTANGULAR METALISED POLYCARBONATE	1uF	41301009	100V		C1240,C2240
☐ 10	11.10.33.230.7		100k		3W	1%	R1101-R1105,R2101-R2105
☐ 2	11.22.10.211.3	High Stability Metal Film Resistor	11	R04WHS	0.4W	1%	R1271,R2271
☐ 2	11.22.10.216.8	High Stability Metal Film Resistor	16		0.4W	1%	R1261,R2261
☐ 2	11.22.10.224.8	High Stability Metal Film Resistor	24	R04WHS	0.4W	1%	R1200,R2200
☐ 4	11.22.10.310.1	High Stability Metal Film Resistor	100		0.4W	1%	R1106-R1107,R2106-R2107
☐ 2	11.22.10.351.2	High Stability Metal Film Resistor	510	R04WHS	0.4W	1%	R1265,R2265

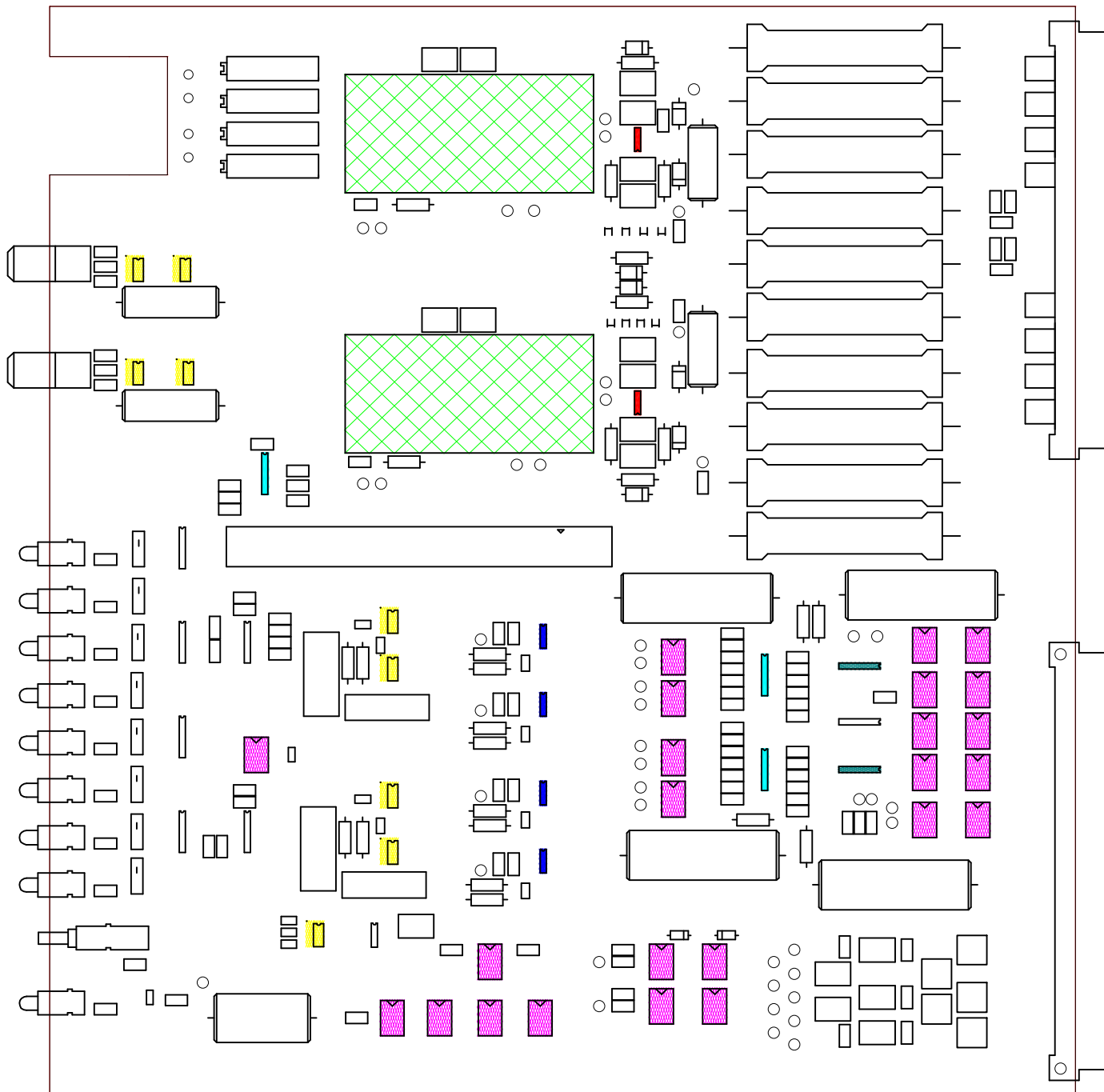
EP 680-1149-600-A							
Dual Bridge Quench Detection							
Nom du client:		Olesen G.		Numéro de code budget:		33170	
DATE:		1/22/2002 9:45					
Dessinateur:		Franck EUDARIC		Liste crée par:		Franck Eudaric	
Materiel du Module							
Materiel monté sur le circuit							
QTY	SCEM/NAME	Description	Value	Outline	Volt./ w.	Tol.	Parts
☐	2 11.22.10.411.7	High Stability Metal Film Resistor	1.1k	R04WHS	0.4W	1%	R1275,R2275
☐	2 11.22.10.418.0	High Stability Metal Film Resistor	1.8K		0.4W	1%	R1120,R2120
☐	4 11.22.10.524.9	High stability metal-film	24k	R04WHS	0.4W	1%	R1240-R1241,R2240-R2241
☐	2 11.22.10.539.2	High Stability Metal Film Resistor	39K		0.4W	1%	R1121,R2121
☐	4 11.22.10.610.2	High Stability Metal Film Resistor	100K		0.4W	1%	R1313,R1333,R2313,R2333
☐	4 11.24.05.200.9	SMD Metal Film Chip Resistor	100	R1206	0.25W	1%	R1262,R1272,R2262,R2272
☐	4 11.24.05.212.5	SMD Metal Film Chip Resistor	120	R1206	0.25W	1%	R3420-R3421,R3430-R3431
☐	10 11.24.05.236.7	SMD Resistor	360	R1206	1/4W	1%	R1320-R1321,R1340-R1341,R2320-R2321,R2340-R2341,R3321-R3322
☐	14 11.24.05.247.4	SMD Resistor	470	R1206	1/4W	1%	R3312,R3341,R3351,R3360-R3363,R3370-R3373,R3390-R3391,R3393
☐	8 11.24.05.300.6	SMD Metal Film Chip Resistor	1K	R1206	0.25W	1%	R1221-R1222,R2221-R2222,R3330,R3340,R3350,R3392
☐	8 11.24.05.322.0	SMD Resistor	2.2K	R1206	1/4W	1%	R1318,R1338,R2318,R2338,R3310-R3311,R3410,R3520
☐	30 11.24.05.400.3	SMD Metal Film Chip Resistor	10k	R1206	0.25W	1%	R1210,R1264,R1274,R1310-R1312,R1316,R1330-R1332,R1336,R2210,R2264,R2274,R2310-R2312,R2316,R2330-R2332,R2336,R3210-R3211,R3230,R3240,R3242,R3320,R3380,R3510
☐	7 11.24.05.439.8	SMD Resistor	39K	R1206	1/4W	1%	R1201,R1314,R1334,R2201,R2314,R2334,R3243
☐	4 11.24.05.475.4	SMD Metal Film Chip Resistor	75k	R1206	0.25W	1%	R1315,R1335,R2315,R2335
☐	2 11.24.05.500.0	SMD Metal Film Chip Resistor	100k	R1206	0.25W	1%	R3231,R3241
☐	4 11.24.05.547.5	SMD Resistor	470k	R1206	0.25W	1%	R1263,R1273,R2263,R2273
☐	4 11.24.05.600.7	SMD Resistor	1M	R1206	0.25W	1%	R1122-R1123,R2122-R2123
☐	2 11.65.64.050.5	15T 0.75W 10% ADJUSTABLE POTENTIOMETERS	20k	P-89P	0.75W	10%	P1100,P2100
☐	2 11.65.64.058.7	15T 0.75W 10% ADJUSTABLE POTENTIOMETERS	100k	P-89P	0.75W	10%	P1200,P2200
Non Standard Magasin							

EP 680-1149-600-A							
Dual Bridge Quench Detection							
Nom du client:		Olesen G.	Numéro de code budget:		33170		
DATE:		1/22/2002 9:45					
Dessinateur:		Franck EUDARIC	Liste crée par:		Franck Eudaric		
Materiel du Module							
Materiel monté sur le circuit							
QTY	SCEM/NAME	Description	Value	Outline	Volt./ w.	Tol.	Parts
☐	2 AD620BR	Instrumentation Amp, Resistor-Programmable	AD620BR	SO8			IC1120,IC2120
☐	2 AD210BN	Precision Wide Bandwith Amplifier	AD210BN	AD210BN			IC1200,IC2200
☐	9 OPA177GS	Voltage-Feedback Operational Amplifier	OPA177GS	SO-G8			IC1210,IC1220,IC1240,IC1250,IC2210,IC2220,IC2240,IC2250,IC3221
☐	4 LM311M	Analog Comparator	LM311M	SO8			IC1260,IC1270,IC2260,IC2270
☐	3 LM339D	Low-Power Low-Offset Voltage Quad Comparators	LM339D	SOIC14			IC1311,IC2311,IC3230
☐	1 REF102AU	+/-10V Precision Voltage Reference		SOIC8			IC3220
☐	8 FDLL300	High Conductance Low Leakage Diode	FDLL300	LL-34			D1112-D1115,D2112-D2115
☐	2 RADIOSPARES CC 11	Film Polypropylene Axial Capacitor	1nF	36062102	1000V C.C.(350V C.A.)	+/- 20%	C1100,C2100
☐	13 R0805-E96-XX	SMD Resistor Case 0805	10K	R0805	0.1W	+/- 0.1%	R1250-R1252,R1260,R1270,R2250-R2252,R2260,R2270,R3220-R3222
☐	4 R1206-10M	SMD Resistor Case 1206	10M	R1206	0.25W	+/- 5%	R1317,R1337,R2317,R2337
☐	1 CN24ABC-8PWR-M-C	Hybrid Right Angle Connector 24ABC Contacts+8 Power Contacts	CN24ABC-8PWR-M-C	CN24ABC-8PWR-M-C			J1
☐	4 TROU-0.8MM	Hole for Cable Link <0.502mm	BP				B1-B4
☐	8 LINK3	SMD Strap 3 Points	LINK3	LINK3			LINK1260-LINK1261,LINK1270-LINK1271,LINK2260-LINK2261,LINK2270-LINK2271
☐	2 LINK	HALF-MOON Strap (Connection By Soldering)	LINK	LINK			LINK3320,LINK3910
☐	8 JUMP3	Address Selection Jumper 2Pos. (mounted on SCEM 09.55.10.708.9)	JUMP3	JUMP3			LINK3340,LINK3350,LINK3360,LINK3362,LIN K3370,LINK3372,LINK3390,LINK3392

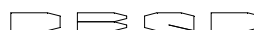
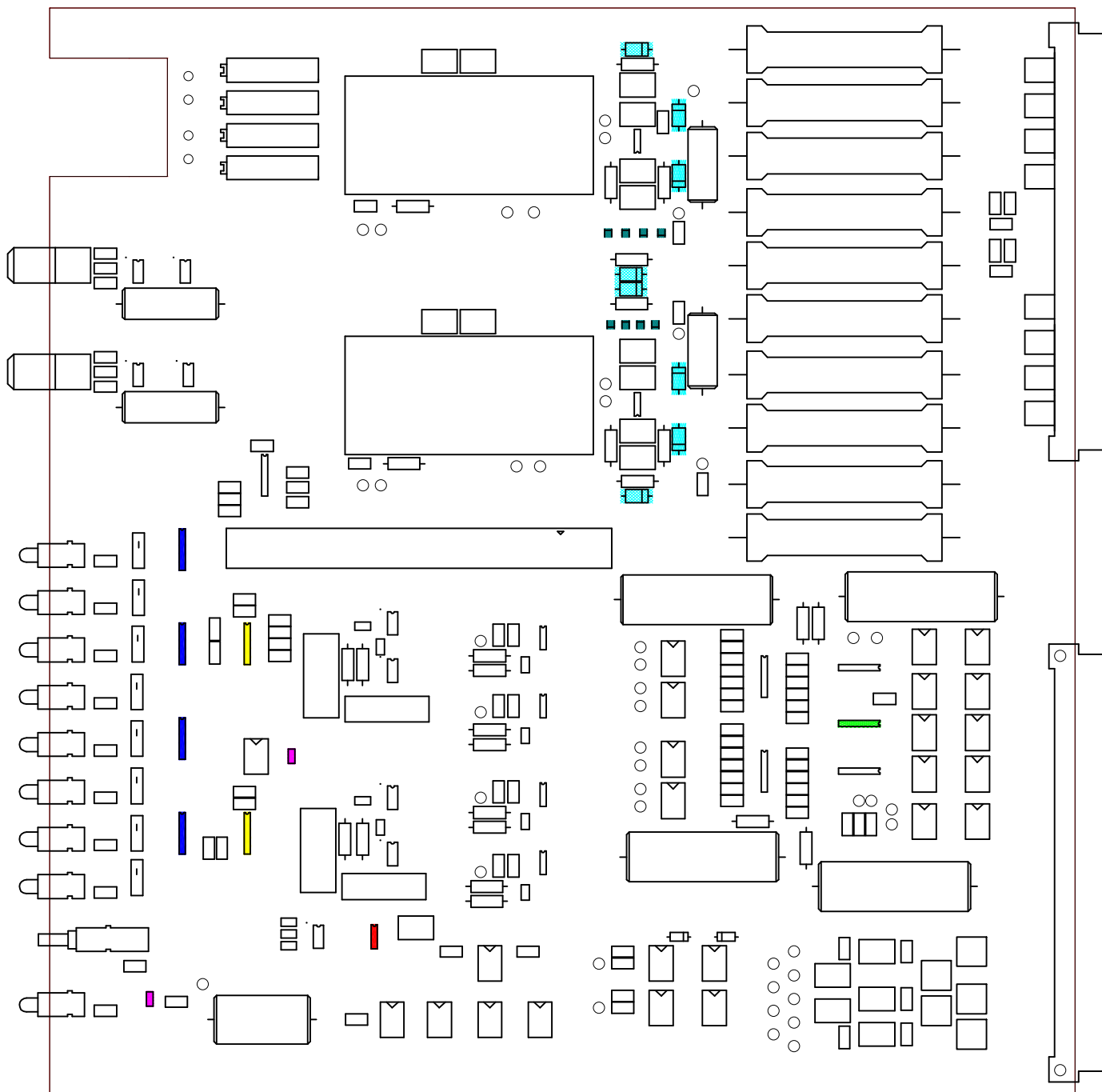
Board Dimensions:	through pins: 656
220x233,4mm	SMD pins on TOP: 546
	SMD pins on BOTTOM: 198
	Total nb of pins: 1400

Device	Qty	Value	Tol	Power	Ref part
AD620BR	2	AD620BR			IC2120, IC1120
AD620BR	2	AD620BR			IC2200, IC1200
OPA177GS	9	OPA177GS			IC3221, IC2210, IC2220, IC1210, IC2240, IC1220, IC2250, IC1240, IC1250
LM311M	4	LM311M			IC2260, IC2270, IC1260, IC1270
08.57.71.153.2	24	SFH601-3			IC3330, IC2310, IC3340-IC3341, IC3350-IC3351, IC3330, IC1310, IC1330, IC3380, IC3900, IC3910, IC2900-IC2901, IC2910-IC2911, IC1900-IC1901, IC1910-IC1911, IC3310-IC3313
LM339D	3	LM339D			IC2311, IC1311, IC3230
08.56.96.007.9	2	74F07D			IC2320, IC1320

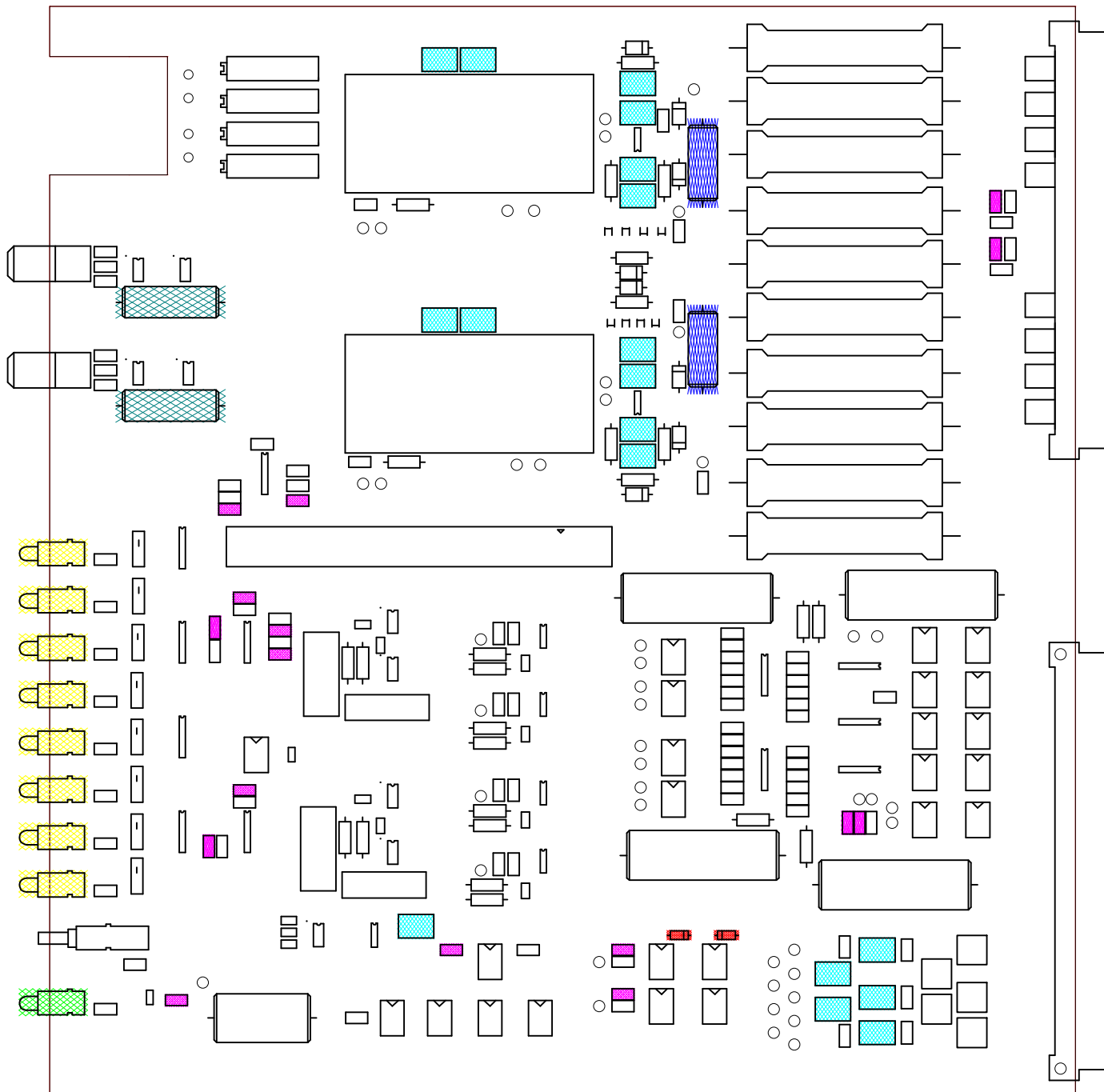
For OPA177GS no other prefix should be used!



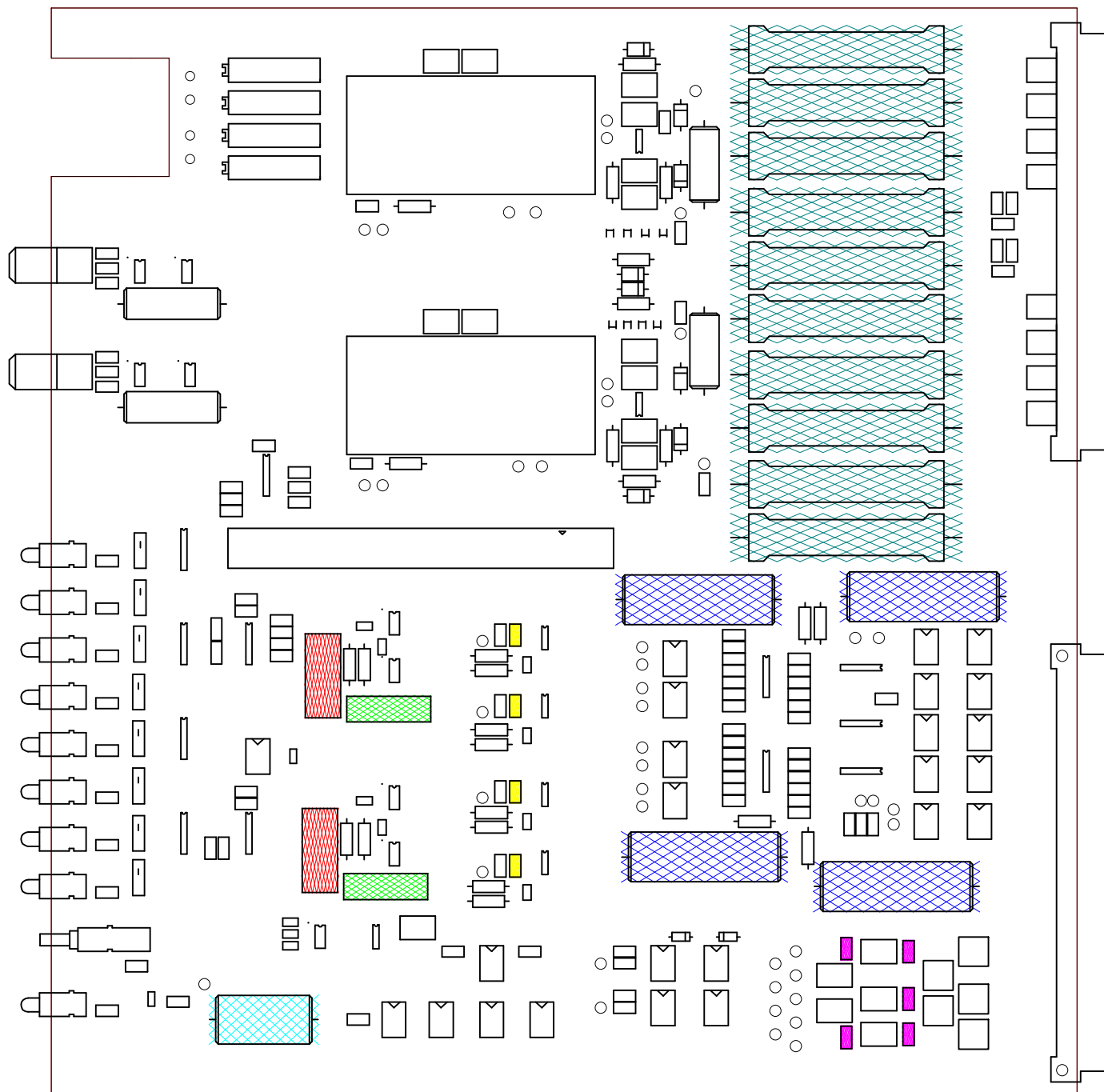
Device	Qty	Value	Tol	Power	Ref part
REF102MU	1				IC3229
08.56.96.032.8	1	74F320			IC3320
08.56.96.001.2	2	74F040			IC3342, IC3381
08.56.93.071.8	1	N74F740			IC3343, IC3368, IC3370, IC3390
08.53.00.010.1	2	95R17H			T3240, T3310
08.51.46.210.5	8	18U		1.1W	D2100-D2101, D2110-D2111, D1100-D1101, D1110-D1111
FDLL300	8	FDLL300			D2112-D2115, D1112-D1115



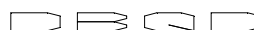
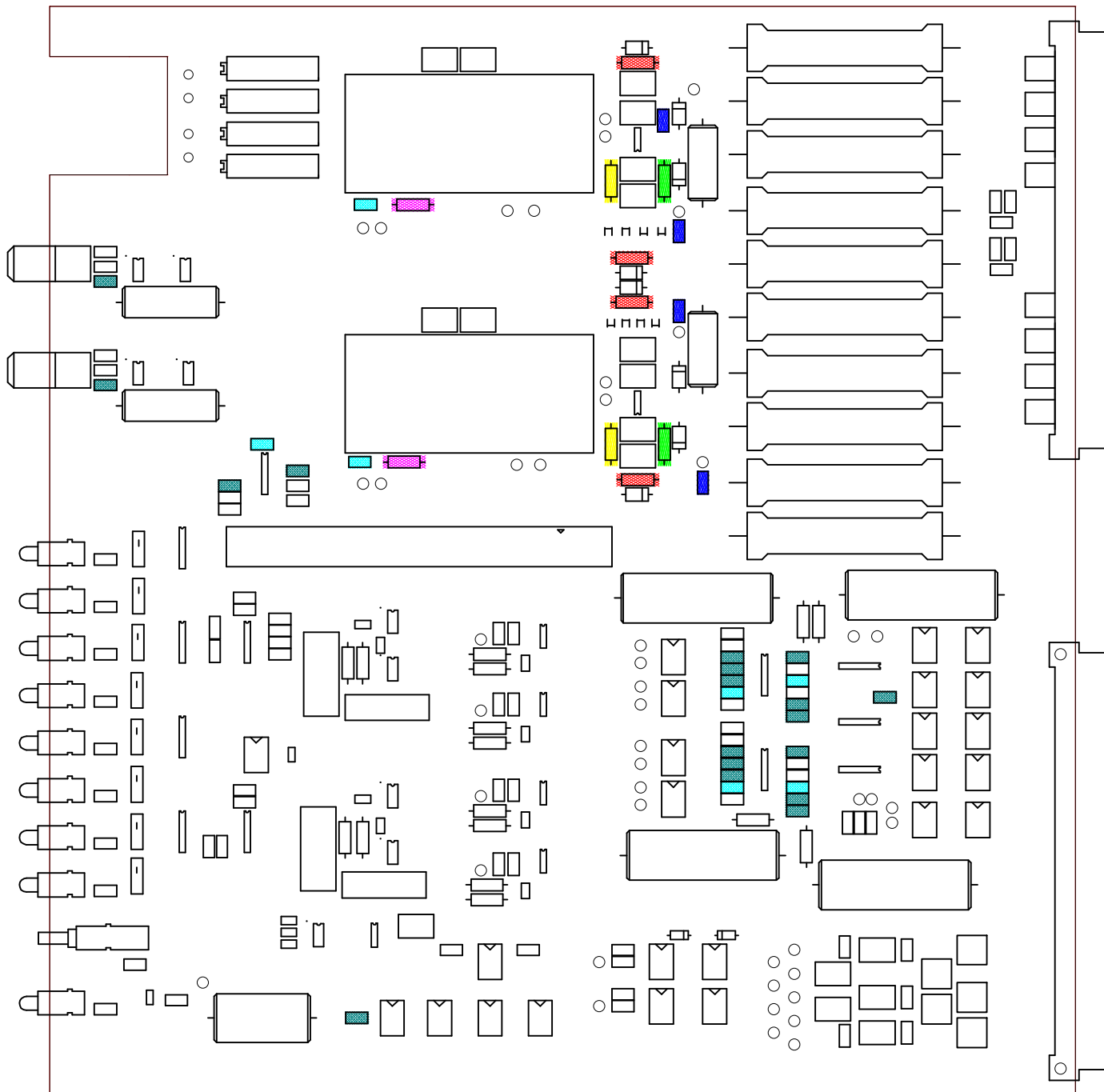
Device	Qty	Value	Tol	Power	Ref part
06.51.11.100.3	2	1N4148			D3420, D3430
07.08.10.670.3	1	26.05.1.0.1.1		GREEN	LD3310
07.08.10.650.7	8	26.05.1.2.1.1		RED	LD3340, LD3350, LD3360, LD3361, LD3370, LD3371, LD3380, LD3381
RHODISPARES CC 114-347	2	1nF	± 20%	1000V C.C. < 350V C.A. >	C2100, C1100
10.03.04.500.2	16	100nF		50V	C2313, C3340, C3350, C2333, C3360, C3361, C3370, C3371, C3390, C3392, C3420, C3430, C3230, C3240, C3520, C3310
10.35.07.500.7	18	1uF		100V	C3400, C2131, C2132, C2134, C2135, C1131, C1132, C1134, C1135, C3200, C3201, C3221, C2200, C2201, C3500, C1200, C1201, C3300
10.36.06.222.8	2	1uF		250V	C2210, C1210



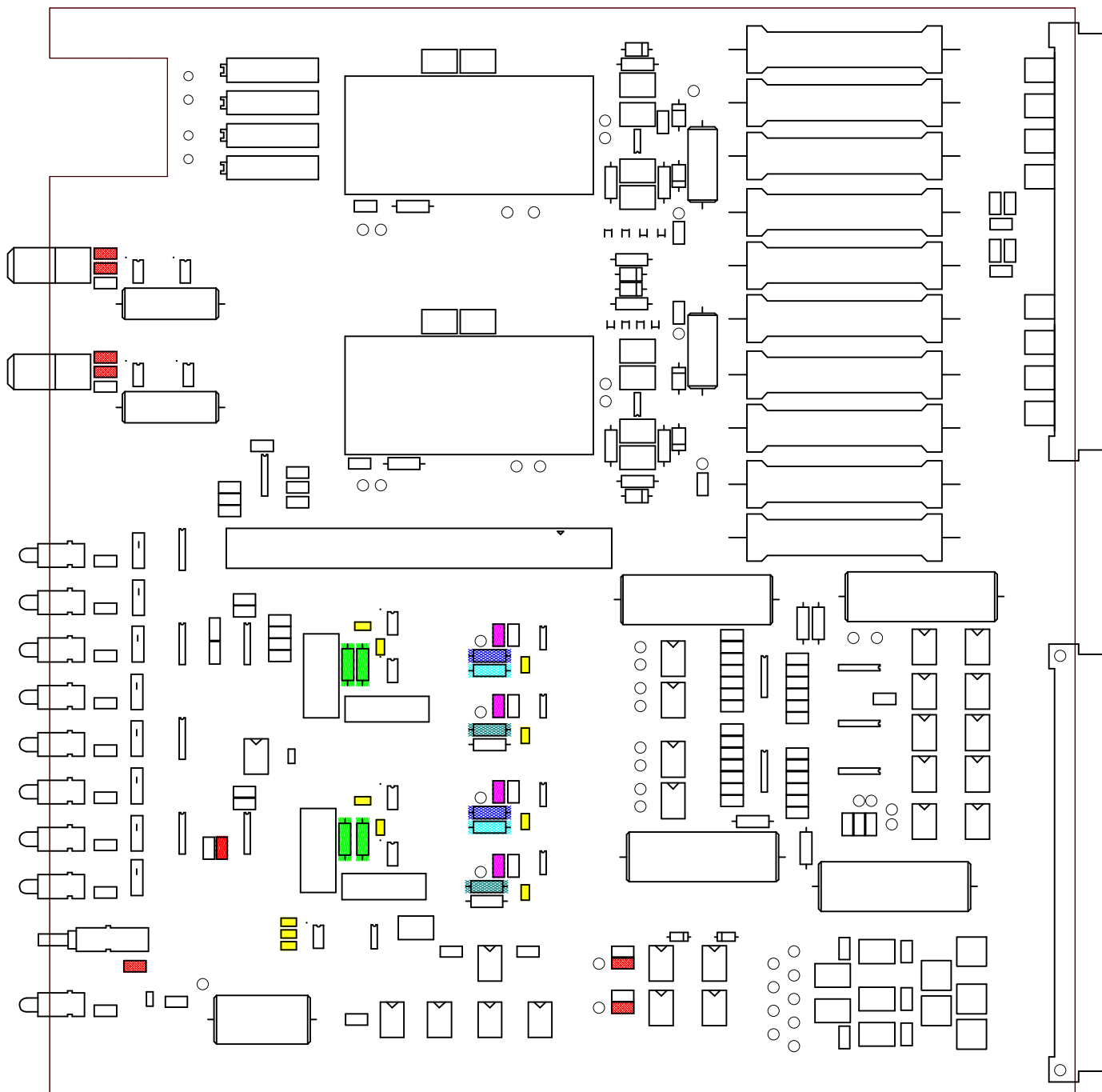
Device	Qty	Value	Tol	Power	Ref part
10.41.30.100.9	2	1uF		100W	C2240.C1240
10.41.30.047.7	2	0.47uF		100W	C2241.C1241
10.03.04.200.1	4	100uF		50W	C2260.C2270.C1260.C1270
10.35.06.231.4	4	10uF		250W	C2312.C2332.C1312.C1332
10.03.04.400.5	5	10uF		50W	C3401.C3202-C3203.C3501.C3301
10.35.06.230.8	1	4.7uF		250W	C3330
11.10.33.230.7	10	100k	1%	3W	R2101-R2105.R1101-R1105



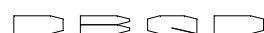
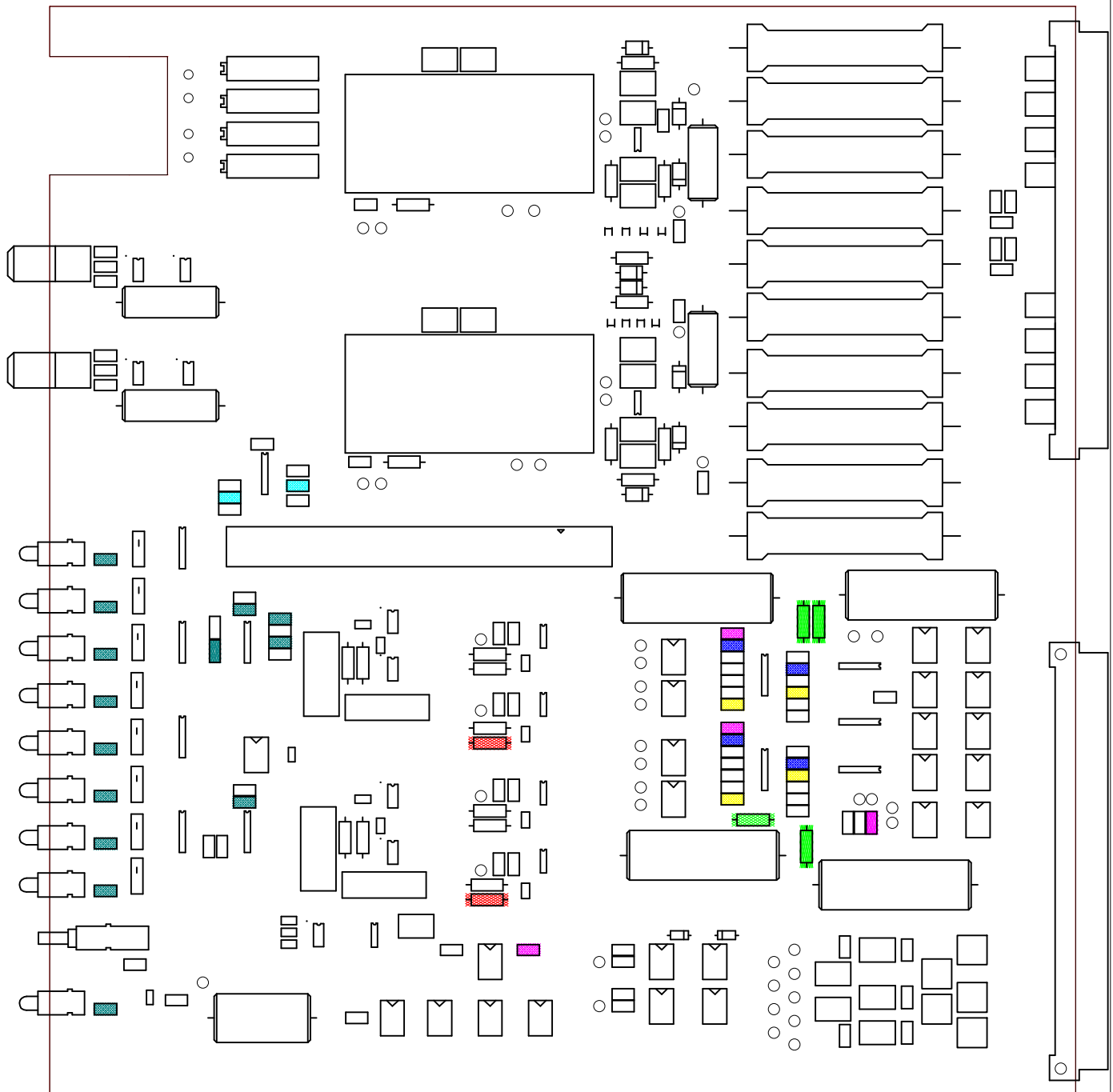
Device	Qty	Value	Tol	Power	Ref part
11.22.10.310.1	4	100	1%	0.4W	R2106-R2107, R1106-R1107
11.22.10.410.0	2	1.8K	1%	0.4W	R2120, R1120
11.22.10.539.2	2	39K	1%	0.4W	R2121, R1121
11.24.05.600.7	4	1M	1%	0.25W	R2122-R2123, R1122-R1123
11.22.10.221.8	2	24	1%	0.4W	R2200, R1200
11.24.05.439.8	7	39K	1%	1/4W	R2314, R2334, R1314, R1334, R2201, R3243, R1201
11.24.05.400.3	18	10k	1%	0.25W	R2311-R2312, R2316, R2331-R2332, R1311-R1312, R2336, R1316, R1331-R1332, R1336, R3211, R3230, R2210, R3240, R1210, R3320



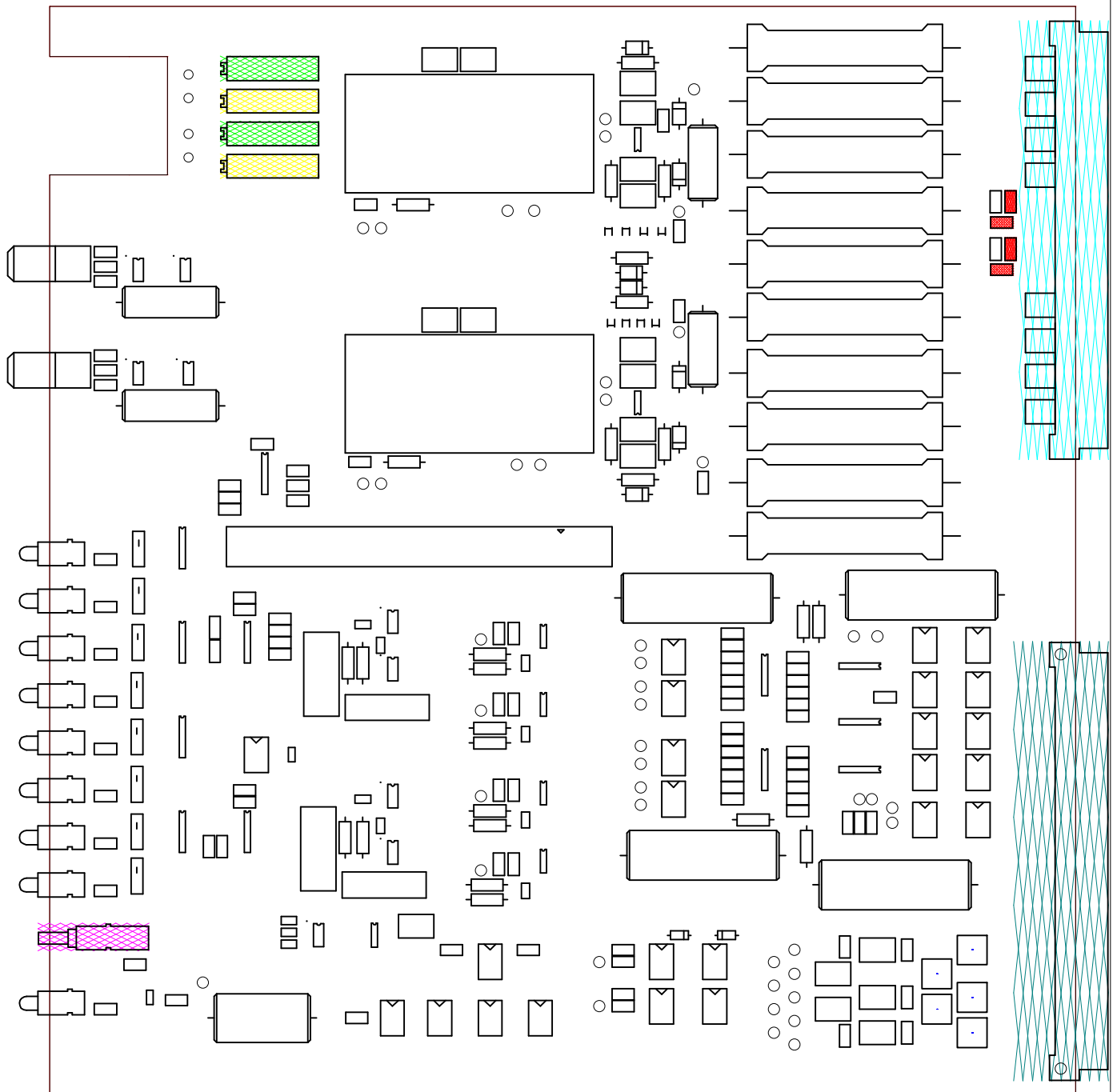
Device	Qty	Value	Tol	Power	Ref part
11.24.05.300.6	8	1K	1%	0.25W	R3330, R3340, R3350, R3392, R2221-R2222, R1221-R1222
11.22.10.524.9	4	24K	1%	0.4W	R2240-R2241, R1240-R1241
R0805-E96-MX	11	10K	±0.1%	0.1W	R3220-R3222, R2250, R2252, R2260, R2270, R1250, R1252, R1260, R1270
11.22.10.215.8	2	15	1%	0.7W	R2261, R1261
11.24.05.200.9	4	100	1%	0.25W	R2262, R2272, R1262, R1272
11.22.10.351.2	2	510	1%	0.4W	R2265, R1265
11.22.10.211.3	2	11	1%	0.4W	R2271, R1271



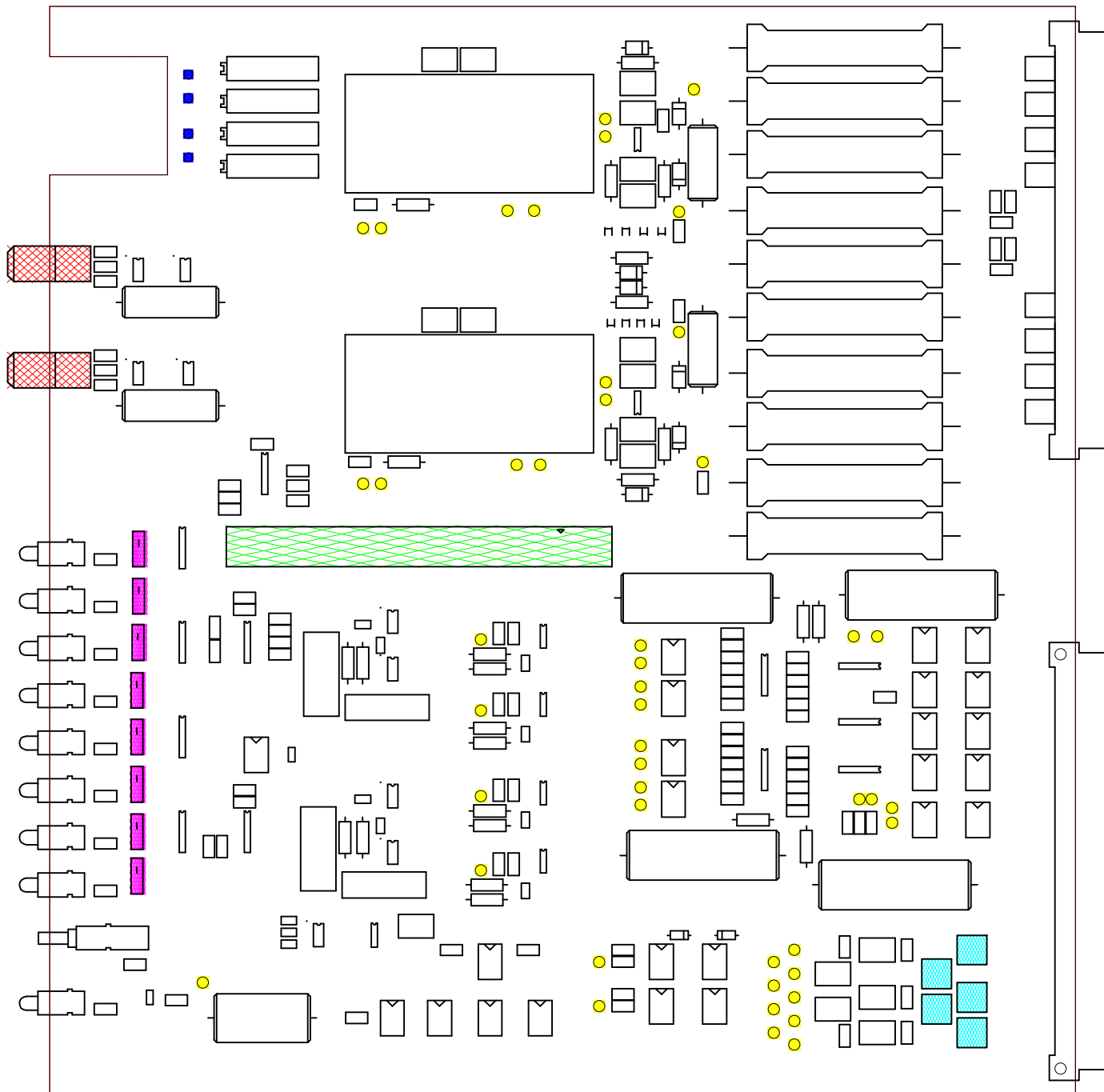
Device	Qty	Value	Tol	Power	Ref part
11.22.10.411.7	2	1.1k	1%	0.4W	R2275, R1275
11.22.10.610.2	4	100K	1%	0.4W	R2313, R2333, R1313, R1333
11.24.05.473.4	4	75K	1%	0.25W	R2315, R2335, R1315, R1335
R1208-10M	4	10M	$\pm 0.5\%$	0.25W	R2317, R2337, R1317, R1337
11.24.05.322.0	4	2.2K	1%	1/4W	R2318, R2338, R1318, R1338
11.24.05.500.0	2	100k	1%	0.25W	R3231, R3241
11.24.05.247.4	14	470	1%	1/4W	R3341, R3351, R3360-R3363, R3370-R3373, R3390-R3391, R3393, R3312



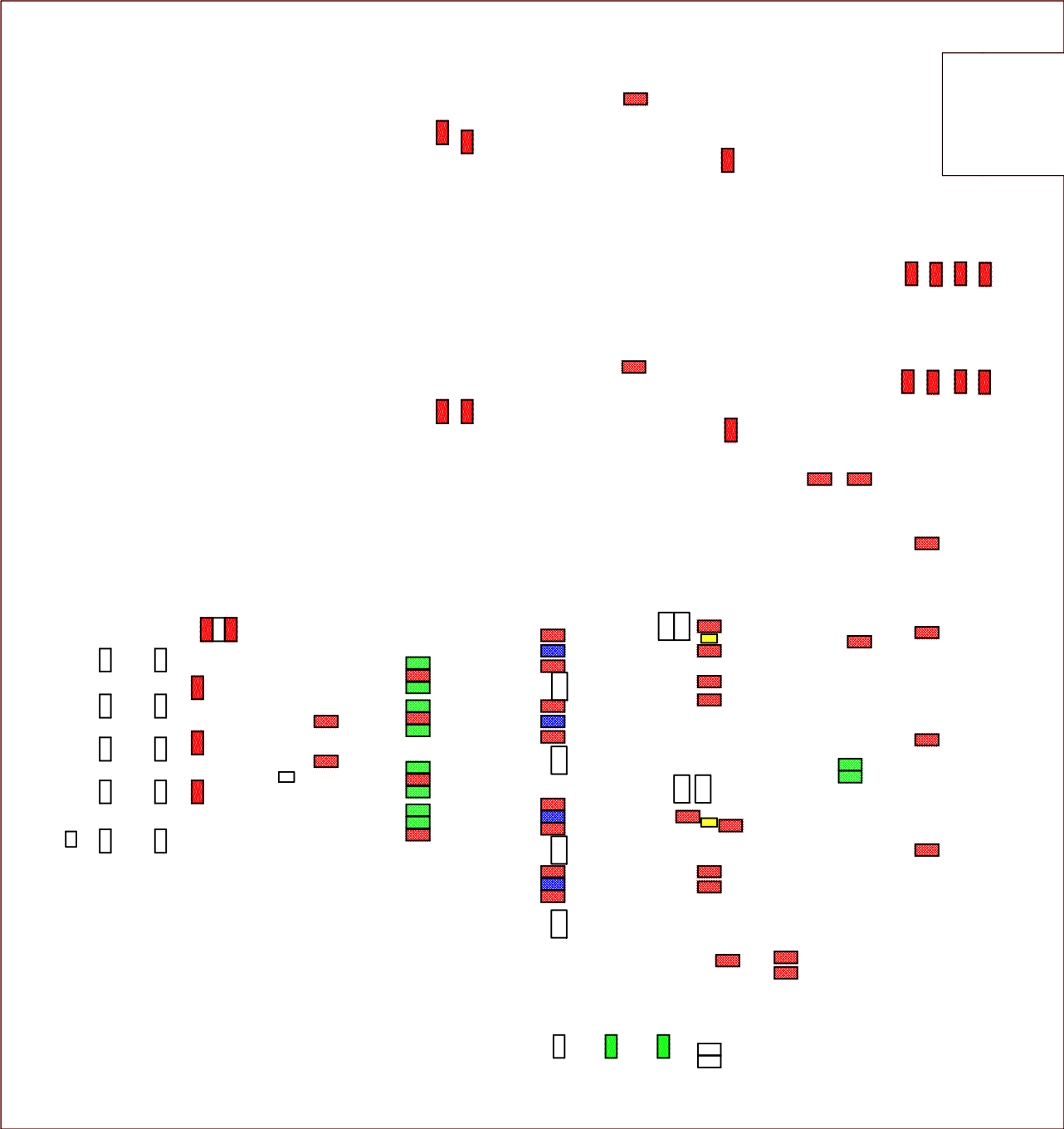
Device	Qty	Value	Tol	Power	Ref part
11.24.05.212.5	4	120	1%	0.23W	R3420-R3421,R3430-R3431
11.65.64.050.5	2	20k	10%	0.73W	P2100,P1100
11.65.64.050.7	2	100k	10%	0.73W	P2200,P1200
06.73.30.020.0	5	500mH		0.5W	F3400,F3200-F3201,F3500,F3300
07.08.10.300.6	1	1040.6131			SW3330
CN244BC-8P4R-M-C	1	CN244BC-8P4R-M-C			J1
09.61.33.315.7	1	0903.196.2921			J2



Device	Qty	Value	Tol	Power	Ref part
09.46.11.100.6	2	LEMO50C		50 ohms	J4-J5
09.55.09.630.5	1				J6
07.88.24.360.3	46	Test Pin			TP2310, TP3340, TP2320, TP3350, TP2330, TP1310, TP2340, TP1320, TP1330, TP1340, TP2110-TP2111, TP2120, TP3400, TP2121, TP3401, TP2130-TP2131, TP1110-TP1111, TP1120-TP1121, TP1130-TP1131, TP3200-TP3202, TP2200-TP2201, TP3300-TP3301, TP1200-TP1201, TP2260-TP2261, TP2270-TP2271, TP3300-TP3301, TP1260-TP1261, TP3310, TP1270-TP1271, TP3320-TP3321
TROU-8.8mm	4	BP			B1-B4
JUMP3	8	JUMP3			LINK3340, LINK3350, LINK3360, LINK3362, LINK3370, LINK3372, LINK3390, LINK3392
06.73.03.500.8	5	FUSE HOLDER			SKF1-SKF2, SKF4-SKF5, SKF8



Device	Qty	Value	Tol	Power	Ref part
10.03.04.500.2	53	100nF		50V	C2310-C2311,C3341-C3342,C2320,C2330,C1310-C1311,C1313,C3362,C1320, C3372,C1330,C1333,C3391,C2130,C2133,C1130,C1133,C3220,C3222-C3223, C2202-C2203,C3231-C3232,C2211-C2212,C2221-C2222,C1202-C1203, C1211-C1212,C2242-C2243,C1221-C1222,C2252-C2253,C2261-C2262, C1242-C1243,C2271-C2272,C1250-C1251,C1261-C1262,C1271-C1272,C3320
11.24.05.400.3	12	10k	1%	0.25W	R2310,R2330,R1310,R1330,R3380,R3210,R3242,R3510,R2264,R2274,R1264, R1274
R0805-E96-XX	2	10K	±/-0.1%	0.1W	R2251,R1251
11.24.05.547.5	4	470k	1%	0.25W	R2263,R2273,R1263,R1273



Device	Qty	Value	Tol	Power	Ref part
11.24.05.322.0	4	2.2K	1%	1/4W	R1338,R3410,R3310-R3311
11.24.05.236.7	10	360	1%	1/4W	R2320-R2321,R2340-R2341,R1320-R1321,R1340-R1341,R3321-R3322
LINK3	8	LINK3			LINK2260-LINK2261, LINK2270-LINK2271, LINK1260-LINK1261,
					LINK1270-LINK1271
LINK	2	LINK			LINK3310, LINK3320

