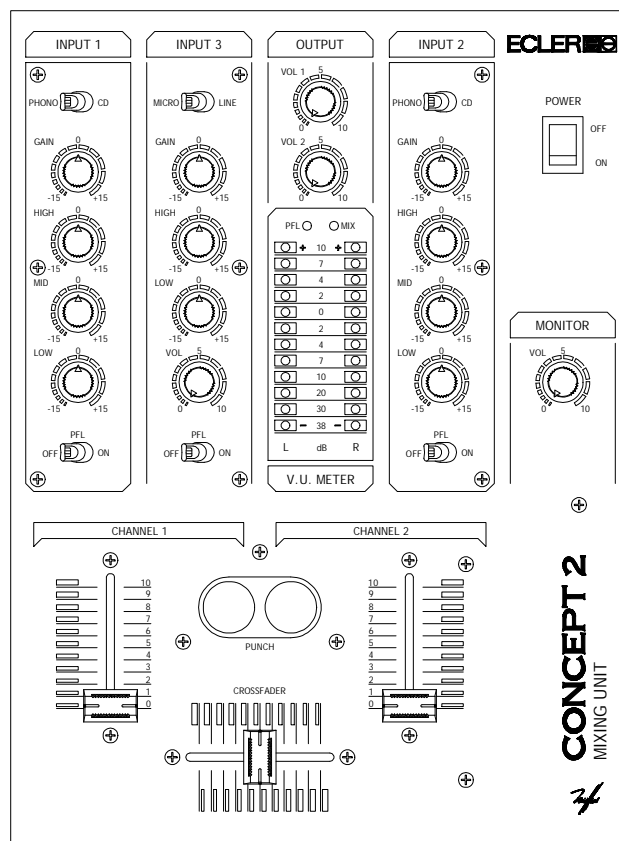


CONCEPT 2

SERVICE MANUAL



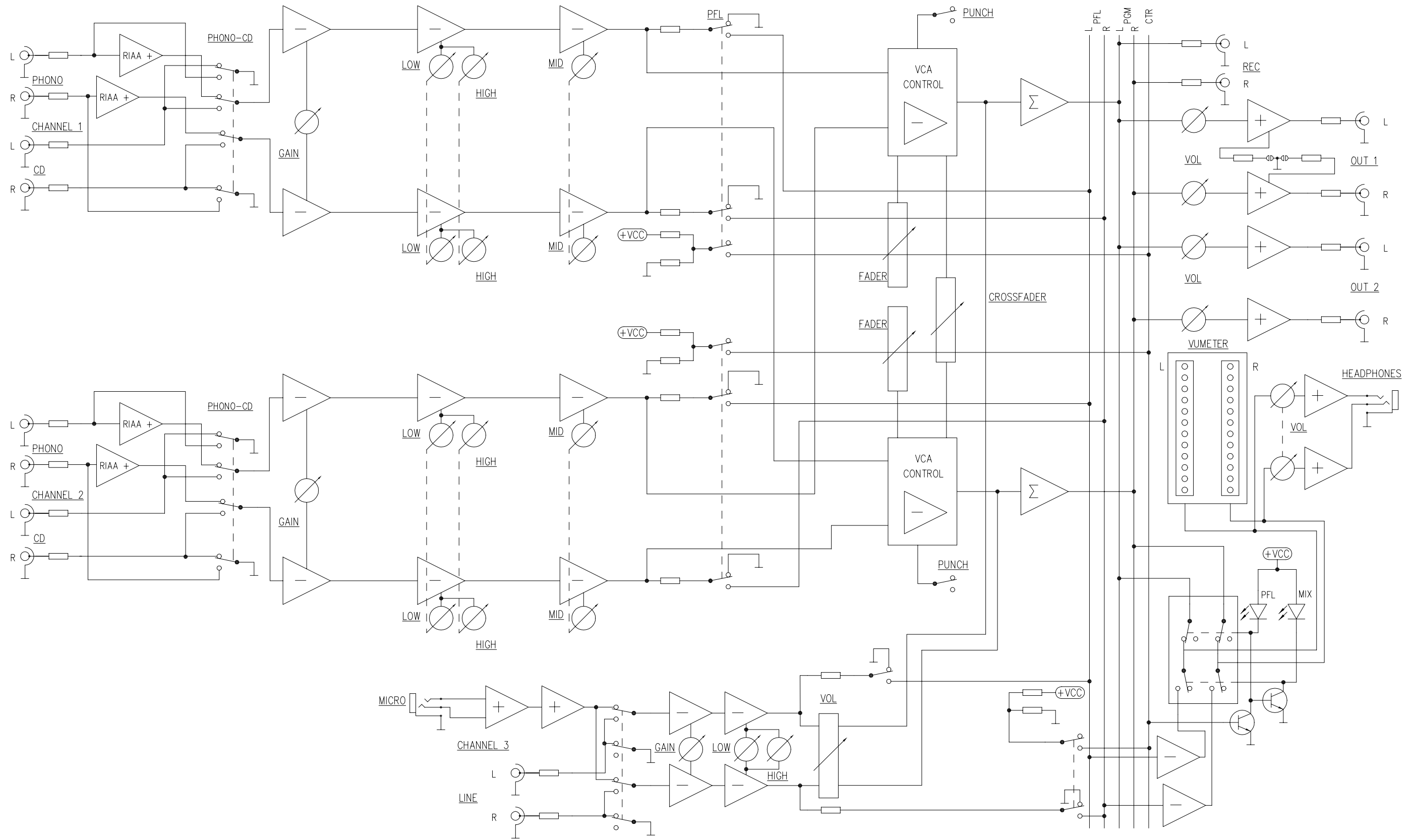
ECLER

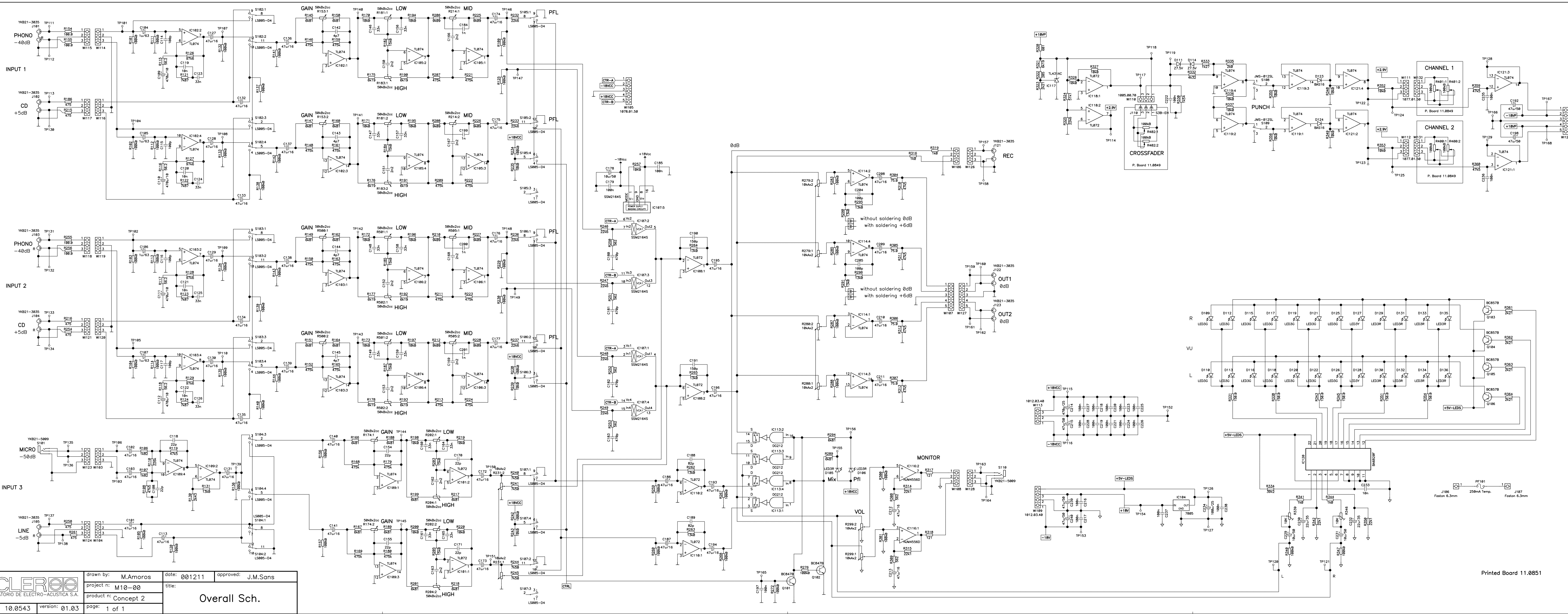
AUDIO CREATIVE POWER

SERVICE MANUAL CONCEPT 2

INDEX

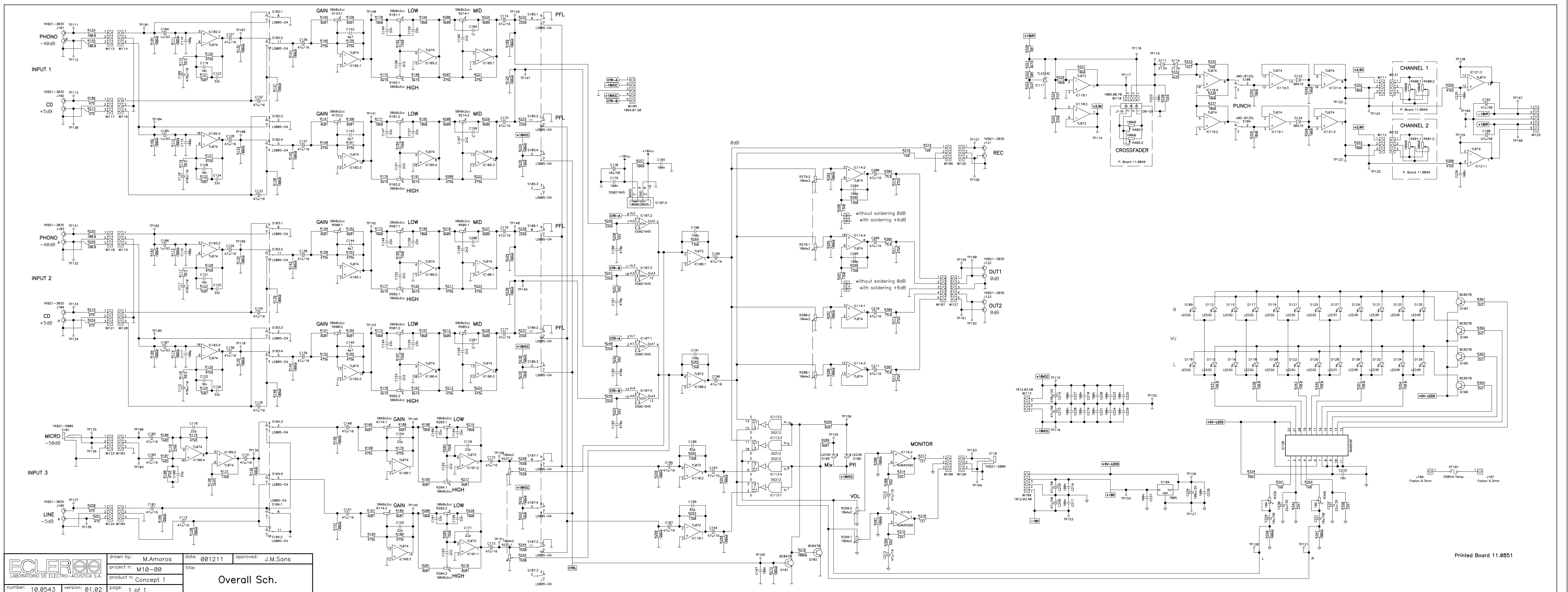
- BLOCK DIAGRAM
- SCHEMATICS
- COMPONENTS LOCATION SCHEMA
- TESTING AND QUALITY CONTROL
- TECHNICAL CHARACTERISTICS
- WIRING DIAGRAM
- CONFIGURATION DIAGRAM
- MECHANICAL DIAGRAM





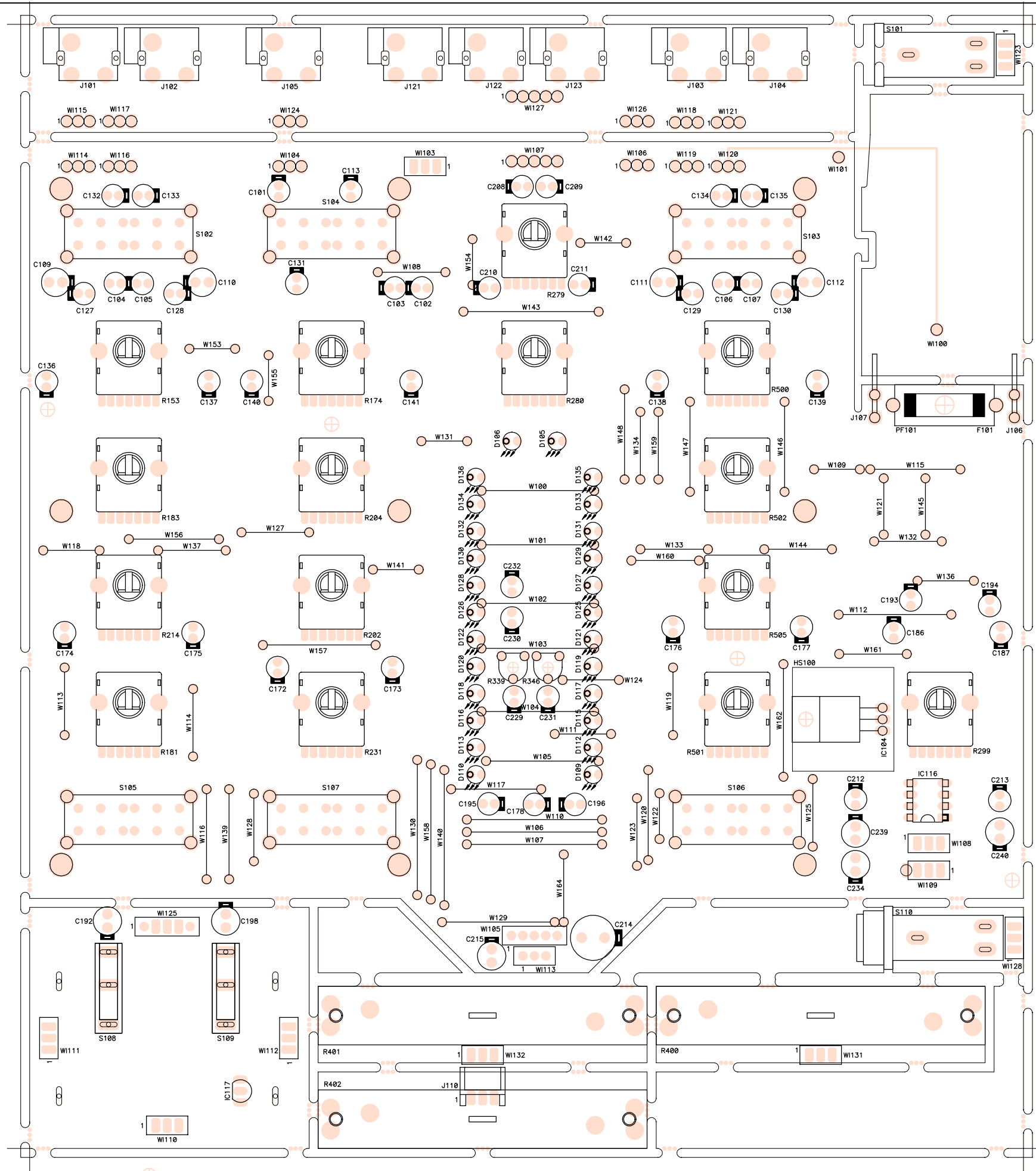
 LABORATORIO DE ELECTRO-ACUSTICA S.A.	drawn by: M.Amoros	date: 001211	approved: J.M.Sans
	project n: M10-00	title:	
	product n: Concept 2	Overall Sch.	
	number: 10.0543	version: 01.03	page: 1 of 1


Printed Board 11.0851

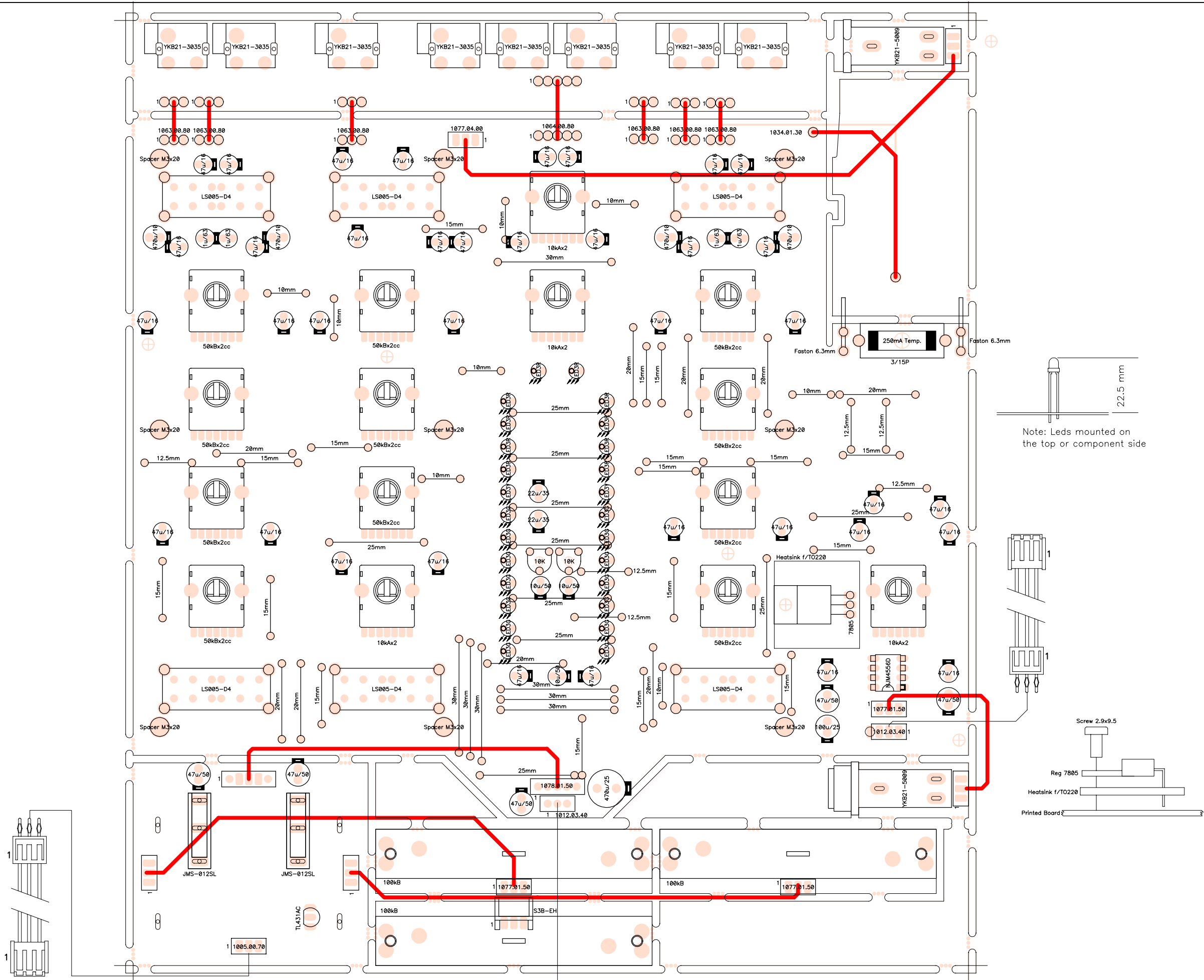


 LABORATORIO DE ELECTRO-ACUSTICA S.A.	drawn by: M.Amoros	date: 001211	approved: J.M.Sans
	project n: M10-00	title:	
	product n: Concept 1	Overall Sch.	
	number: 10.0543	version: 01.02	page: 1 of 1

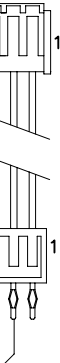
Printed Board 11.0851



 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-05.00 schema no: 10.0543-01.03 insertion file no:	side: Component
	project n: M10-00	title:	view: Reference
number: 33.0581	version: 01.04	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	

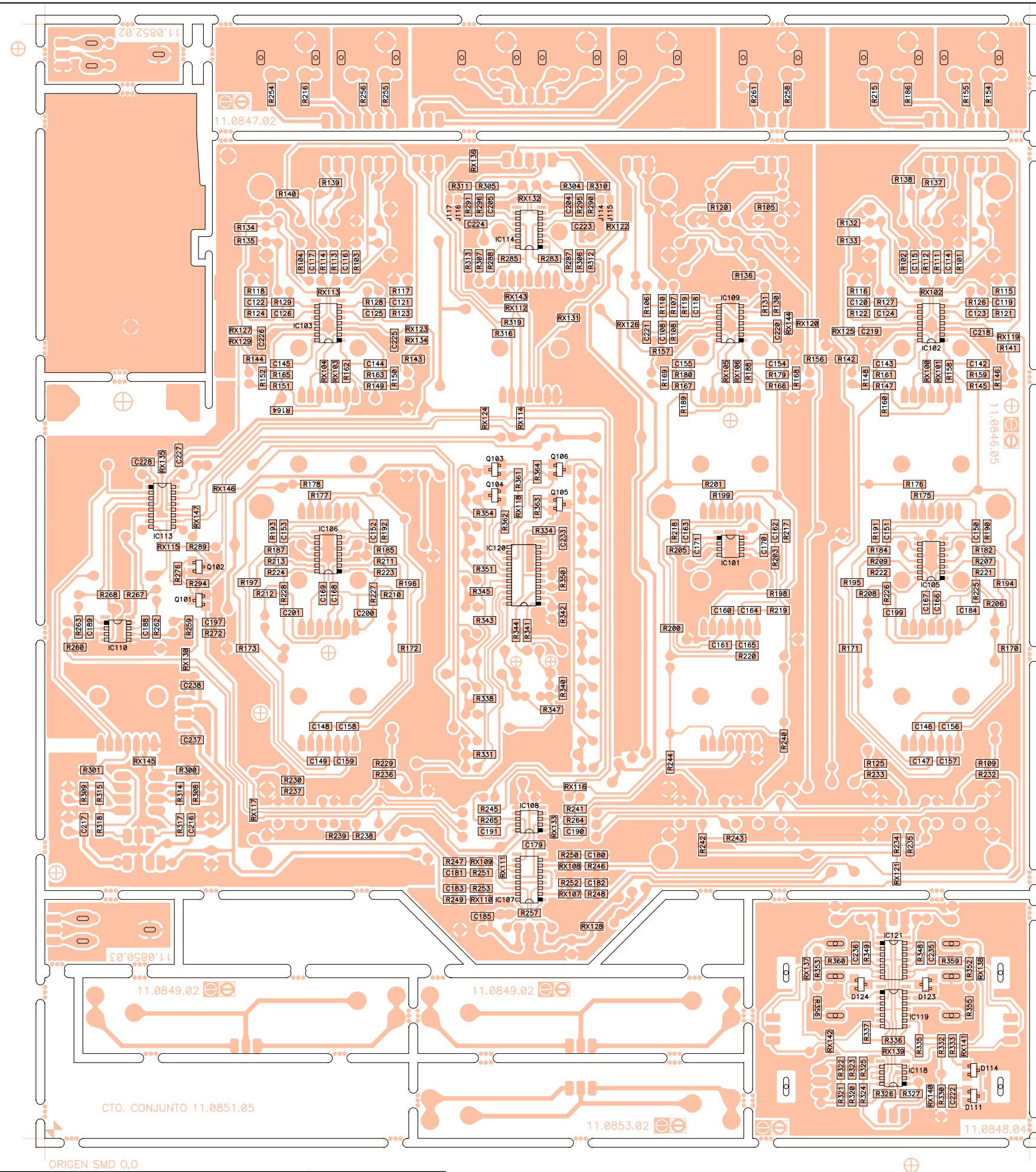


Note: Leds mounted on the top or component side




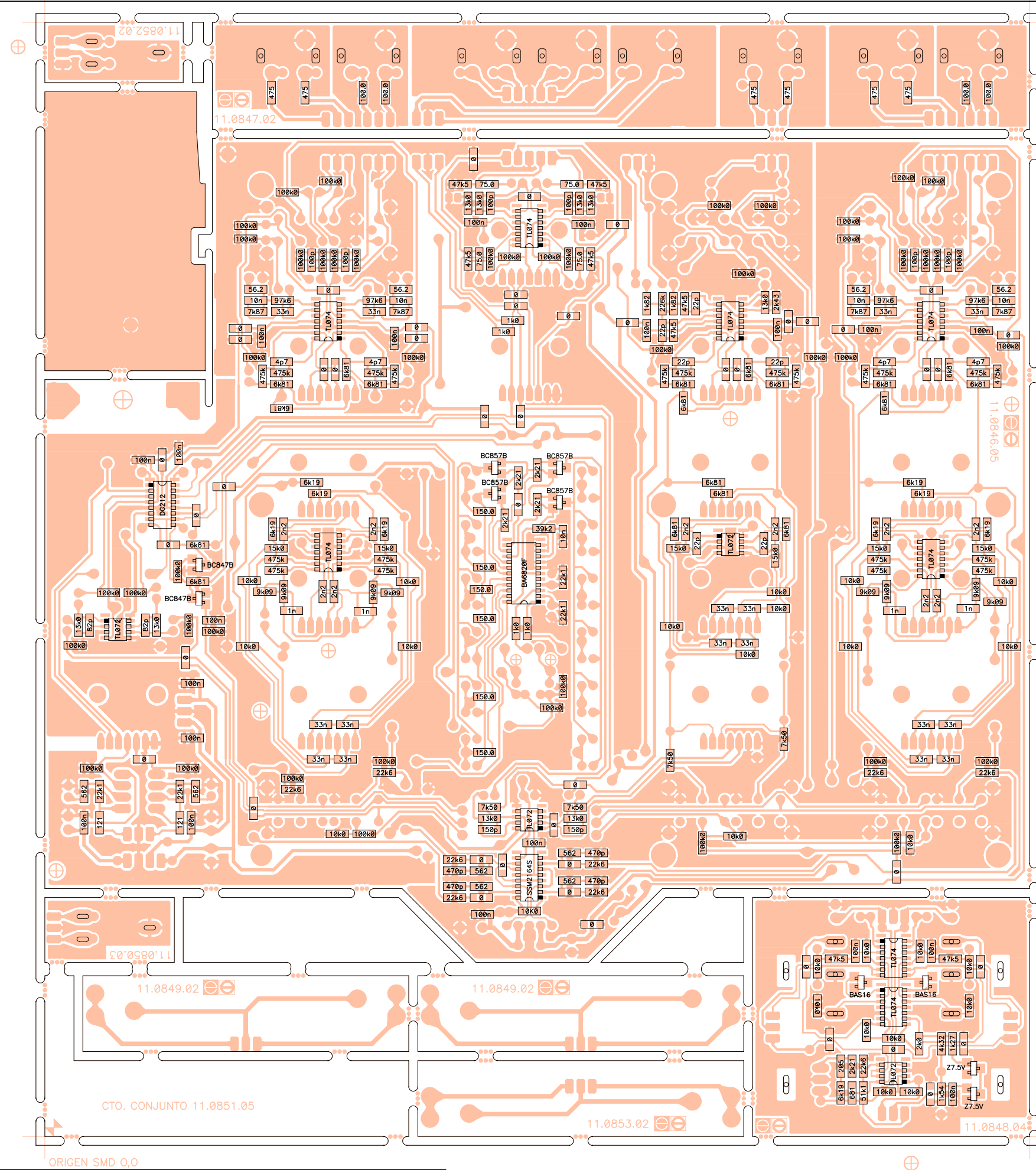
Screw 2.9x9.5
Reg 7805
Heatsink f/T0220
Printed Board


 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-05.00 schema no: 10.0543-01.03 insertion file no:	side: Component
	project n: M10-00	title:	view: Value
number: 33.0582	version: 01.04	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	



ORIGEN SMD 0,0

 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-05.00 schema no: 10.0543-01.03 insertion file no: 81.0046-01.03	side: Solder
	project n:	M10-00	view: Reference
number: 33.0583	version: 01.04	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	



 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-05.00 schema no: 10.0543-01.03 insertion file no: 81.0046-01.03	side: Solder
	project n:	M10-00	view: Value
number: 33.0584	version: 01.04	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXCN12200	22p	C108
FCCE100000	47u/16	C101
FCCE100000	47u/16	C102
FCCE100000	47u/16	C103
FCCE300010	1u/63	C104
FCCE300010	1u/63	C105
FCCE300010	1u/63	C106
FCCE300010	1u/63	C107
FCCE030000	470u/10	C109
FCCE030000	470u/10	C110
FCCE030000	470u/10	C111
FCCE030000	470u/10	C112
FCCE100000	47u/16	C113
FCXCN21000	100p	C114
FCXCN21000	100p	C115
FCXCN21000	100p	C116
FCXCN21000	100p	C117
FCXCN12200	22p	C118
FCXCN40100	10n	C119
FCXCN40100	10n	C120
FCXCN40100	10n	C121
FCXCN40100	10n	C122
FCXCN40330	33n	C123
FCXCN40330	33n	C124
FCXCN40330	33n	C125
FCXCN40330	33n	C126
FCCE100000	47u/16	C127
FCCE100000	47u/16	C128
FCCE100000	47u/16	C129
FCCE100000	47u/16	C130
FCCE100000	47u/16	C131
FCCE100000	47u/16	C132
FCCE100000	47u/16	C133
FCCE100000	47u/16	C134
FCCE100000	47u/16	C135
FCCE100000	47u/16	C136
FCCE100000	47u/16	C137
FCCE100000	47u/16	C138
FCCE100000	47u/16	C139
FCCE100000	47u/16	C140
FCCE100000	47u/16	C141
FCXCN04700	4p7	C142
FCXCN04700	4p7	C143
FCXCN04700	4p7	C144
FCXCN04700	4p7	C145
FCXCN40330	33n	C146
FCXCN40330	33n	C147
FCXCN40330	33n	C148
FCXCN40330	33n	C149
FCXCN40022	2n2	C150
FCXCN40022	2n2	C151
FCXCN40022	2n2	C152
FCXCN40022	2n2	C153
FCXCN12200	22p	C154
FCXCN12200	22p	C155
FCXCN40330	33n	C156

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXCN40330	33n	C157
FCXCN40330	33n	C158
FCXCN40330	33n	C159
FCXCN40330	33n	C160
FCXCN40330	33n	C161
FCXCN40022	2n2	C162
FCXCN40022	2n2	C163
FCXCN40330	33n	C164
FCXCN40330	33n	C165
FCXCN40022	2n2	C166
FCXCN40022	2n2	C167
FCXCN40022	2n2	C168
FCXCN40022	2n2	C169
FCXCN12200	22p	C170
FCXCN12200	22p	C171
FCCE100000	47u/16	C172
FCCE100000	47u/16	C173
FCCE100000	47u/16	C174
FCCE100000	47u/16	C175
FCCE100000	47u/16	C176
FCCE100000	47u/16	C177
FCCE250100	10u/50	C178
FCXCN41000	100n	C179
FCXCN24700	470p	C180
FCXCN24700	470p	C181
FCXCN24700	470p	C182
FCXCN24700	470p	C183
FCXCN40010	1n	C184
FCXCN41000	100n	C185
FCCE100000	47u/16	C186
FCCE100000	47u/16	C187
FCXCN18200	82p	C188
FCXCN18200	82p	C189
FCXCN21500	150p	C190
FCXCN21500	150p	C191
FCCE250470	47u/50	C192
FCCE100000	47u/16	C193
FCCE100000	47u/16	C194
FCCE100000	47u/16	C195
FCCE100000	47u/16	C196
FCXCN41000	100n	C197
FCCE250470	47u/50	C198
FCXCN40010	1n	C199
FCXCN40010	1n	C200
FCXCN40010	1n	C201
FCXCN21000	100p	C204
FCXCN21000	100p	C205
FCCE100000	47u/16	C208
FCCE100000	47u/16	C209
FCCE100000	47u/16	C210
FCCE100000	47u/16	C211
FCCE100000	47u/16	C212
FCCE100000	47u/16	C213
FCCE250470	47u/50	C214
FCCE250470	47u/50	C215
FCXCN41000	100n	C216

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXCN41000	100n	C217
FCXCN41000	100n	C218
FCXCN41000	100n	C219
FCXCN41000	100n	C220
FCXCN41000	100n	C221
FCXCN41000	100n	C222
FCXCN41000	100n	C223
FCXCN41000	100n	C224
FCXCN41000	100n	C225
FCXCN41000	100n	C226
FCXCN41000	100n	C227
FCXCN41000	100n	C228
FCCE250100	10u/50	C229
FCCE200220	22u/35	C230
FCCE250100	10u/50	C231
FCCE200220	22u/35	C232
FCXCN40100	10n	C233
FCCE151000	100u/25	C234
FCXCN41000	100n	C235
FCXCN41000	100n	C236
FCXCN41000	100n	C237
FCXCN41000	100n	C238
FCCE250470	47u/50	C239
FCCE250470	47u/50	C240
FCCICON851	Printed Board 11.0851	CI101
FCLED300RO	LED3R	D105
FCLED300RO	LED3R	D106
FCLED300VE	LED3G	D109
FCLED300VE	LED3G	D110
FCXZ000075	Z7.5V	D111
FCLED300VE	LED3G	D112
FCLED300VE	LED3G	D113
FCXZ000075	Z7.5V	D114
FCLED300VE	LED3G	D115
FCLED300VE	LED3G	D116
FCLED300VE	LED3G	D117
FCLED300VE	LED3G	D118
FCLED300VE	LED3G	D119
FCLED300VE	LED3G	D120
FCLED300VE	LED3G	D121
FCLED300VE	LED3G	D122
FCXDDBAS16	BAS16	D123
FCXDDBAS16	BAS16	D124
FCLED300VE	LED3G	D125
FCLED300VE	LED3G	D126
FCLED300AM	LED3Y	D127
FCLED300AM	LED3Y	D128
FCLED300RO	LED3R	D129
FCLED300RO	LED3R	D130
FCLED300RO	LED3R	D131
FCLED300RO	LED3R	D132
FCLED300RO	LED3R	D133
FCLED300RO	LED3R	D134
FCLED300RO	LED3R	D135
FCLED300RO	LED3R	D136
FCFUS50080	250mA Temp.	F101

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCMECT0220	Heatsink f/TO220	HS100
FCIC072010	TL072	IC101
FCIC074010	TL074	IC102
FCIC074010	TL074	IC103
FCREG78050	7805	IC104
FCIC074010	TL074	IC105
FCIC074010	TL074	IC106
FCIC216410	SSM2164S	IC107
FCIC072010	TL072	IC108
FCIC074010	TL074	IC109
FCIC072010	TL072	IC110
FCIC212010	DG212	IC113
FCIC074010	TL074	IC114
FCIC455600	NJM4556D	IC116
FCIC431000	TL431AC	IC117
FCIC072010	TL072	IC118
FCIC074010	TL074	IC119
FCIC682000	BA6820F	IC120
FCIC074010	TL074	IC121
FCBASR0600	YKB21-3035	J101
FCBASR0600	YKB21-3035	J102
FCBASR0600	YKB21-3035	J103
FCBASR0600	YKB21-3035	J104
FCBASR0600	YKB21-3035	J105
FCTERM1000	Faston 6.3mm	J106
FCTERM1000	Faston 6.3mm	J107
FCCTM10030	S3B-EH	J110
FCBASR0600	YKB21-3035	J121
FCBASR0600	YKB21-3035	J122
FCBASR0600	YKB21-3035	J123
FCPORF3150	3/15P	PF101
FCXTT08470	BC847B	Q101
FCXTT08470	BC847B	Q102
FCXTT08570	BC857B	Q103
FCXTT08570	BC857B	Q104
FCXTT08570	BC857B	Q105
FCXTT08570	BC857B	Q106
FCXR151000	100k0	R101
FCXR151000	100k0	R102
FCXR151000	100k0	R103
FCXR151000	100k0	R104
FCXR151000	100k0	R105
FCXR131820	1k82	R106
FCXR131820	1k82	R107
FCXR144750	47k5	R108
FCXR151000	100k0	R109
FCXR152260	226k	R110
FCXR151000	100k0	R111
FCXR151000	100k0	R112
FCXR151000	100k0	R113
FCXR151000	100k0	R114
FCXR115620	56.2	R115
FCXR115620	56.2	R116
FCXR115620	56.2	R117
FCXR115620	56.2	R118
FCXR144750	47k5	R119

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXR151000	100k0	R120
FCXR137870	7k87	R121
FCXR137870	7k87	R122
FCXR137870	7k87	R123
FCXR137870	7k87	R124
FCXR151000	100k0	R125
FCXR149760	97k6	R126
FCXR149760	97k6	R127
FCXR149760	97k6	R128
FCXR149760	97k6	R129
FCXR132430	2k43	R130
FCXR141300	13k0	R131
FCXR151000	100k0	R132
FCXR151000	100k0	R133
FCXR151000	100k0	R134
FCXR151000	100k0	R135
FCXR151000	100k0	R136
FCXR151000	100k0	R137
FCXR151000	100k0	R138
FCXR151000	100k0	R139
FCXR151000	100k0	R140
FCXR151000	100k0	R141
FCXR151000	100k0	R142
FCXR151000	100k0	R143
FCXR151000	100k0	R144
FCXR136810	6k81	R145
FCXR154750	475k	R146
FCXR136810	6k81	R147
FCXR154750	475k	R148
FCXR136810	6k81	R149
FCXR154750	475k	R150
FCXR136810	6k81	R151
FCXR154750	475k	R152
FCPR217031	50kBx2cc	R153
FCXR121000	100.0	R154
FCXR121000	100.0	R155
FCXR151000	100k0	R156
FCXR151000	100k0	R157
FCXR136810	6k81	R158
FCXR154750	475k	R159
FCXR136810	6k81	R160
FCXR154750	475k	R161
FCXR136810	6k81	R162
FCXR154750	475k	R163
FCXR136810	6k81	R164
FCXR154750	475k	R165
FCXR136810	6k81	R166
FCXR136810	6k81	R167
FCXR154750	475k	R168
FCXR154750	475k	R169
FCXR141000	10k0	R170
FCXR141000	10k0	R171
FCXR141000	10k0	R172
FCXR141000	10k0	R173
FCPR217031	50kBx2cc	R174
FCXR136190	6k19	R175

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXR136190	6k19	R176
FCXR136190	6k19	R177
FCXR136190	6k19	R178
FCXR154750	475k	R179
FCXR154750	475k	R180
FCPR217031	50kBx2cc	R181
FCXR141500	15k0	R182
FCPR217031	50kBx2cc	R183
FCXR141500	15k0	R184
FCXR141500	15k0	R185
FCXR124750	475	R186
FCXR141500	15k0	R187
FCXR136810	6k81	R188
FCXR136810	6k81	R189
FCXR136190	6k19	R190
FCXR136190	6k19	R191
FCXR136190	6k19	R192
FCXR136190	6k19	R193
FCXR141000	10k0	R194
FCXR141000	10k0	R195
FCXR141000	10k0	R196
FCXR141000	10k0	R197
FCXR141000	10k0	R198
FCXR136810	6k81	R199
FCXR141000	10k0	R200
FCXR136810	6k81	R201
FCPR217031	50kBx2cc	R202
FCXR141500	15k0	R203
FCPR217031	50kBx2cc	R204
FCXR141500	15k0	R205
FCXR139090	9k09	R206
FCXR154750	475k	R207
FCXR139090	9k09	R208
FCXR154750	475k	R209
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FCXR154750	475k	R213
FCPR217031	50kBx2cc	R214
FCXR124750	475	R215
FCXR124750	475	R216
FCXR136810	6k81	R217
FCXR136810	6k81	R218
FCXR141000	10k0	R219
FCXR141000	10k0	R220
FCXR154750	475k	R221
FCXR154750	475k	R222
FCXR154750	475k	R223
FCXR154750	475k	R224
FCXR139090	9k09	R225
FCXR139090	9k09	R226
FCXR139090	9k09	R227
FCXR139090	9k09	R228
FCXR151000	100k0	R229
FCXR151000	100k0	R230
FCPR210051	10kAx2	R231

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXR142260	22k6	R232
FCXR142260	22k6	R233
FCXR151000	100k0	R234
FCXR141000	10k0	R235
FCXR142260	22k6	R236
FCXR142260	22k6	R237
FCXR151000	100k0	R238
FCXR141000	10k0	R239
FCXR137500	7k50	R240
FCXR137500	7k50	R241
FCXR151000	100k0	R242
FCXR141000	10k0	R243
FCXR137500	7k50	R244
FCXR137500	7k50	R245
FCXR142260	22k6	R246
FCXR142260	22k6	R247
FCXR142260	22k6	R248
FCXR142260	22k6	R249
FCXR125620	562	R250
FCXR125620	562	R251
FCXR125620	562	R252
FCXR125620	562	R253
FCXR124750	475	R254
FCXR121000	100.0	R255
FCXR121000	100.0	R256
FCXR141000	10K0	R257
FCXR124750	475	R258
FCXR151000	100k0	R259
FCXR151000	100k0	R260
FCXR124750	475	R261
FCXR141300	13k0	R262
FCXR141300	13k0	R263
FCXR141300	13k0	R264
FCXR141300	13k0	R265
FCXR151000	100k0	R267
FCXR151000	100k0	R268
FCXR151000	100k0	R272
FCXR151000	100k0	R276
FCPR210051	10kAx2	R279
FCPR210051	10kAx2	R280
FCXR151000	100k0	R283
FCXR151000	100k0	R285
FCXR151000	100k0	R287
FCXR151000	100k0	R288
FCXR136810	6k81	R289
FCXR141300	13k0	R290
FCXR141300	13k0	R291
FCXR136810	6k81	R294
FCXR141300	13k0	R295
FCXR141300	13k0	R296
FCPR210051	10kAx2	R299
FCXR151000	100k0	R300
FCXR151000	100k0	R301
FCXR117500	75.0	R304
FCXR117500	75.0	R305
FCXR117500	75.0	R306

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

Code	Description	Reference
FCXR117500	75.0	R307
FCXR125620	562	R308
FCXR125620	562	R309
FCXR144750	47k5	R310
FCXR144750	47k5	R311
FCXR144750	47k5	R312
FCXR144750	47k5	R313
FCXR142210	22k1	R314
FCXR142210	22k1	R315
FCXR131000	1k0	R316
FCXR121210	121	R317
FCXR121210	121	R318
FCXR131000	1k0	R319
FCXR126810	681	R320
FCXR136190	6k19	R321
FCXR122050	205	R322
FCXR132210	2k21	R323
FCXR145110	51k1	R324
FCXR142260	22k6	R325
FCXR141000	10k0	R326
FCXR141000	10k0	R327
FCXR131540	1k54	R330
FCXR121500	150.0	R331
FCXR134320	4k32	R332
FCXR131270	1k27	R333
FCXR143920	39k2	R334
FCXR132000	2k0	R335
FCXR141000	10k0	R336
FCXR141000	10k0	R337
FCXR121500	150.0	R338
FCRJC51000	10K	R339
FCXR151000	100k0	R340
FCXR131000	1k0	R341
FCXR142210	22k1	R342
FCXR121500	150.0	R343
FCXR131000	1k0	R344
FCXR121500	150.0	R345
FCRJC51000	10K	R346
FCXR151000	100k0	R347
FCXR141000	10k0	R348
FCXR141000	10k0	R349
FCXR142210	22k1	R350
FCXR121500	150.0	R351
FCXR141000	10k0	R352
FCXR141000	10k0	R353
FCXR121500	150.0	R354
FCXR141000	10k0	R355
FCXR141000	10k0	R356
FCXR144750	47k5	R359
FCXR144750	47k5	R360
FCXR132210	2k21	R361
FCXR132210	2k21	R362
FCXR132210	2k21	R363
FCXR132210	2k21	R364
FCPD220020	100kB	R400
FCPD220020	100kB	R401

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

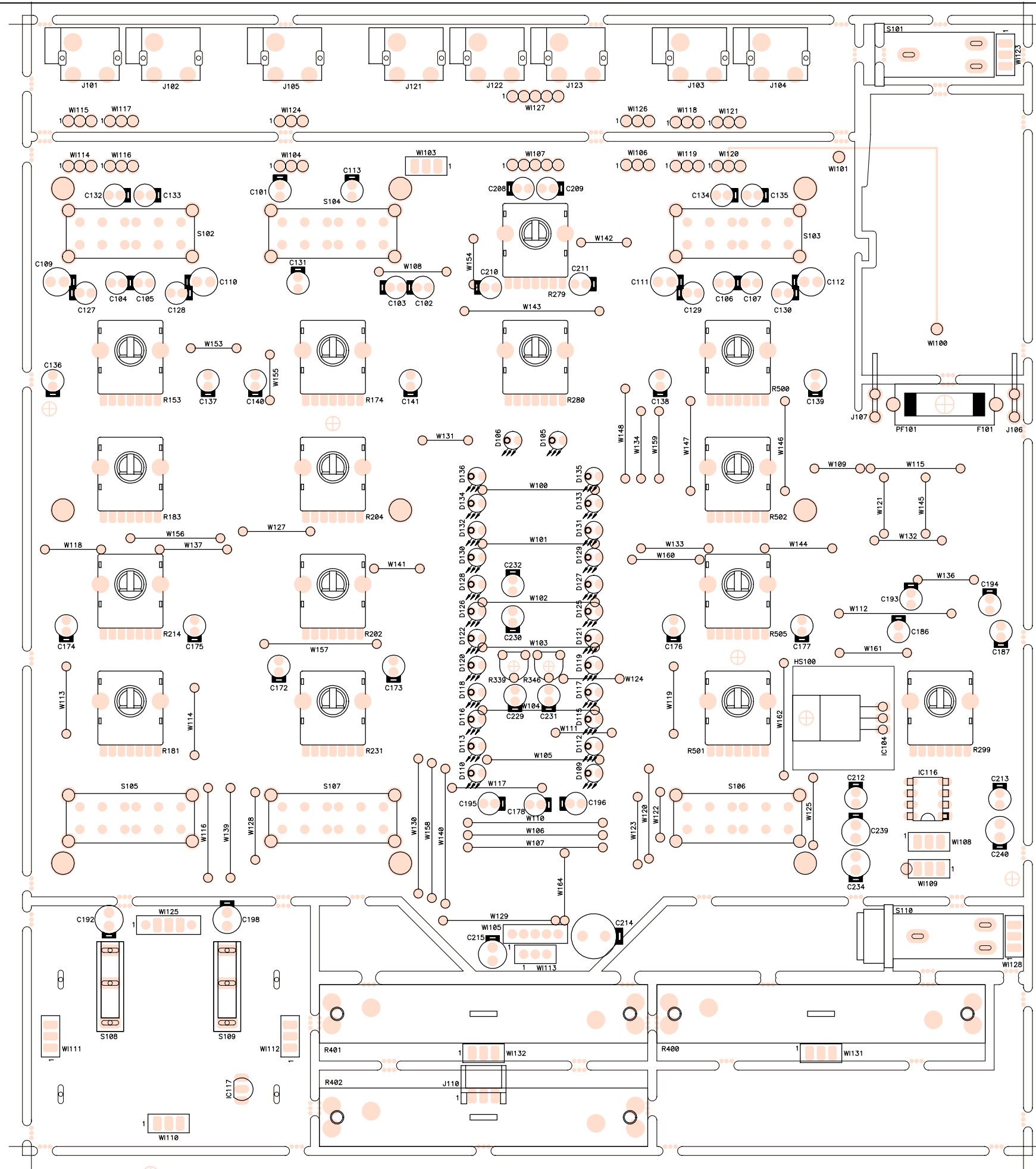
Code	Description	Reference
FCPD220020	100kB	R402
FCPR217031	50kBx2cc	R500
FCPR217031	50kBx2cc	R501
FCPR217031	50kBx2cc	R502
FCPR217031	50kBx2cc	R505
FCXR000000	0	RX100
FCXR000000	0	RX101
FCXR000000	0	RX102
FCXR000000	0	RX103
FCXR000000	0	RX104
FCXR000000	0	RX105
FCXR000000	0	RX106
FCXR000000	0	RX107
FCXR000000	0	RX108
FCXR000000	0	RX109
FCXR000000	0	RX110
FCXR000000	0	RX111
FCXR000000	0	RX112
FCXR000000	0	RX113
FCXR000000	0	RX114
FCXR000000	0	RX115
FCXR000000	0	RX116
FCXR000000	0	RX117
FCXR000000	0	RX118
FCXR000000	0	RX119
FCXR000000	0	RX120
FCXR000000	0	RX121
FCXR000000	0	RX122
FCXR000000	0	RX123
FCXR000000	0	RX124
FCXR000000	0	RX125
FCXR000000	0	RX126
FCXR000000	0	RX127
FCXR000000	0	RX128
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FCXR000000	0	RX130
FCXR000000	0	RX131
FCXR000000	0	RX132
FCXR000000	0	RX133
FCXR000000	0	RX134
FCXR000000	0	RX135
FCXR000000	0	RX136
FCXR000000	0	RX137
FCXR000000	0	RX138
FCXR000000	0	RX139
FCXR000000	0	RX140
FCXR000000	0	RX141
FCXR000000	0	RX142
FCXR000000	0	RX143
FCXR000000	0	RX144
FCXR000000	0	RX145
FCXR000000	0	RX146
FCXR000000	0	RX147
FCBASJ0200	YKB21-5009	S101
FCINTAP076	LS005-D4	S102
FCINTAP076	LS005-D4	S103


PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

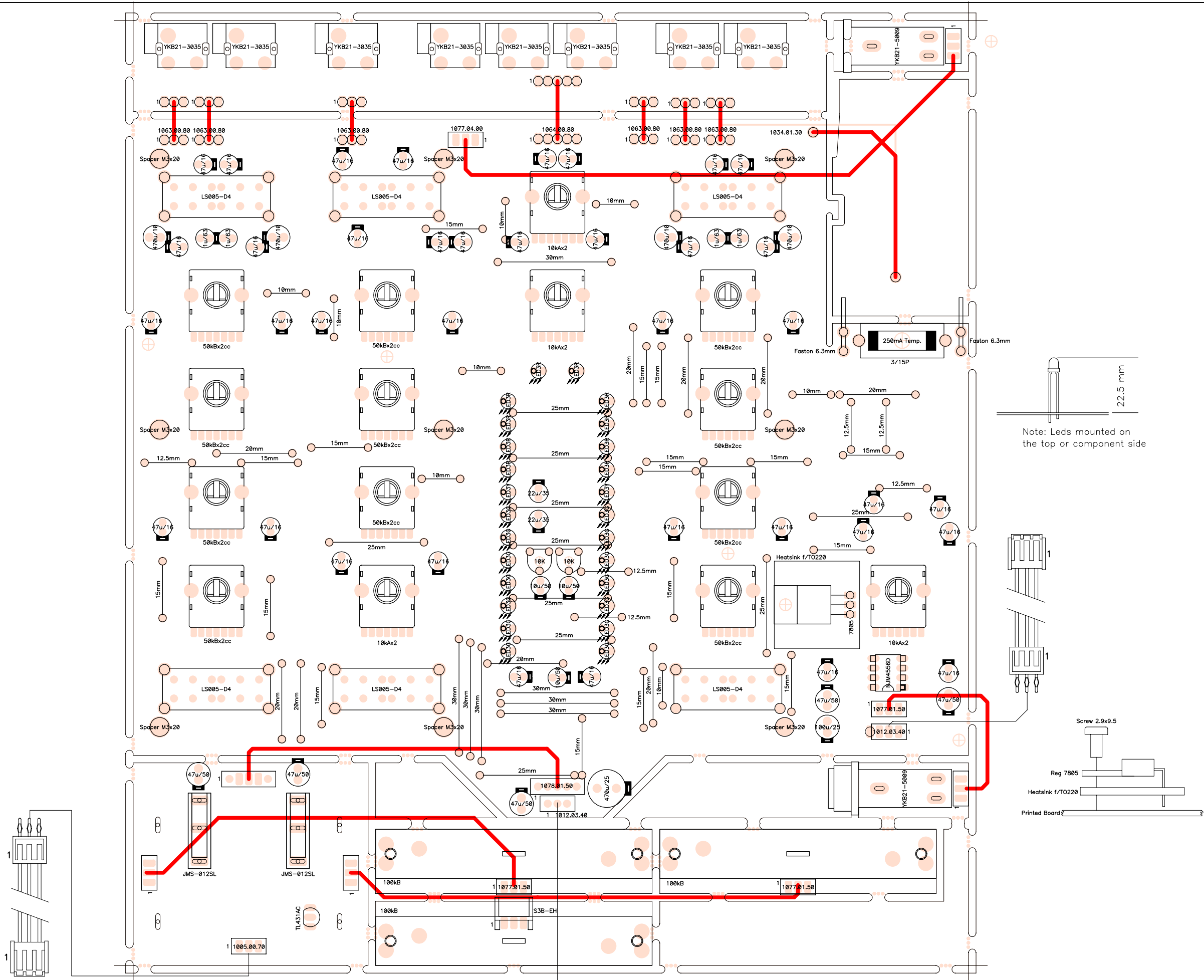
Code	Description	Reference
FCINTAP076	LS005-D4	S104
FCINTAP076	LS005-D4	S105
FCINTAP076	LS005-D4	S106
FCINTAP076	LS005-D4	S107
FCINTMIC00	JMS-012SL	S108
FCINTMIC00	JMS-012SL	S109
FCBASJ0200	YKB21-5009	S110
FCT4002909	Screw 2.9x9.5	SC100
FCSEPCI000	Spacer M3x20	SP100
FCSEPCI000	Spacer M3x20	SP101
FCSEPCI000	Spacer M3x20	SP102
FCSEPCI000	Spacer M3x20	SP103
FCSEPCI000	Spacer M3x20	SP104
FCSEPCI000	Spacer M3x20	SP105
FCSEPCI000	Spacer M3x20	SP106
FCSEPCI000	Spacer M3x20	SP107
FCSEPCI000	Spacer M3x20	SP108
FCPONT0250	25mm	W100
FCPONT0250	25mm	W101
FCPONT0250	25mm	W102
FCPONT0250	25mm	W103
FCPONT0250	25mm	W104
FCPONT0250	25mm	W105
FCPONT0300	30mm	W106
FCPONT0300	30mm	W107
FCPONT0150	15mm	W108
FCPONT0100	10mm	W109
FCPONT0300	30mm	W110
FCPONT0125	12.5mm	W111
FCPONT0250	25mm	W112
FCPONT0150	15mm	W113
FCPONT0150	15mm	W114
FCPONT0200	20mm	W115
FCPONT0200	20mm	W116
FCPONT0200	20mm	W117
FCPONT0125	12.5mm	W118
FCPONT0150	15mm	W119
FCPONT0200	20mm	W120
FCPONT0125	12.5mm	W121
FCPONT0100	10mm	W122
FCPONT0150	15mm	W123
FCPONT0125	12.5mm	W124
FCPONT0150	15mm	W125
FCPONT0150	15mm	W127
FCPONT0150	15mm	W128
FCPONT0250	25mm	W129
FCPONT0300	30mm	W130
FCPONT0100	10mm	W131
FCPONT0150	15mm	W132
FCPONT0150	15mm	W133
FCPONT0150	15mm	W134
FCPONT0125	12.5mm	W136
FCPONT0150	15mm	W137
FCPONT0200	20mm	W139
FCPONT0300	30mm	W140
FCPONT0100	10mm	W141

PARTS LIST: PRINTED CIRCUIT 11.0851.05.00

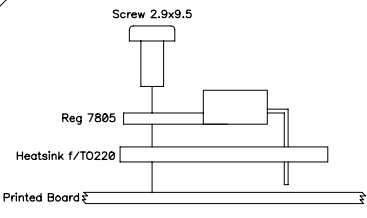
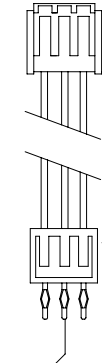
Code	Description	Reference
FCPONT0100	10mm	W142
FCPONT0300	30mm	W143
FCPONT0150	15mm	W144
FCPONT0125	12.5mm	W145
FCPONT0200	20mm	W146
FCPONT0200	20mm	W147
FCPONT0200	20mm	W148
FCPONT0100	10mm	W153
FCPONT0100	10mm	W154
FCPONT0100	10mm	W155
FCPONT0200	20mm	W156
FCPONT0250	25mm	W157
FCPONT0300	30mm	W158
FCPONT0150	15mm	W159
FCPONT0150	15mm	W160
FCPONT0150	15mm	W161
FCPONT0250	25mm	W162
FCPONT0150	15mm	W164
FC0C034130	1034.01.30	W1101
FC4I077400	1077.04.00	W1103
FC3I063080	1063.00.80	W1104
FC4I078150	1078.01.50	W1105
FC3I063080	1063.00.80	W1106
FC3K064080	1064.00.80	W1107
FC4I077150	1077.01.50	W1108
FC0C012340	1012.03.40	W1109
FC4I005070	1005.00.70	W1110
FC3I063150	1063.01.50	W1111
FC3I063150	1063.01.50	W1112
FC0C012340	1012.03.40	W1113
FC3I063080	1063.00.80	W1114
FC3I063080	1063.00.80	W1116
FC3I063080	1063.00.80	W1119
FC3I063080	1063.00.80	W1120




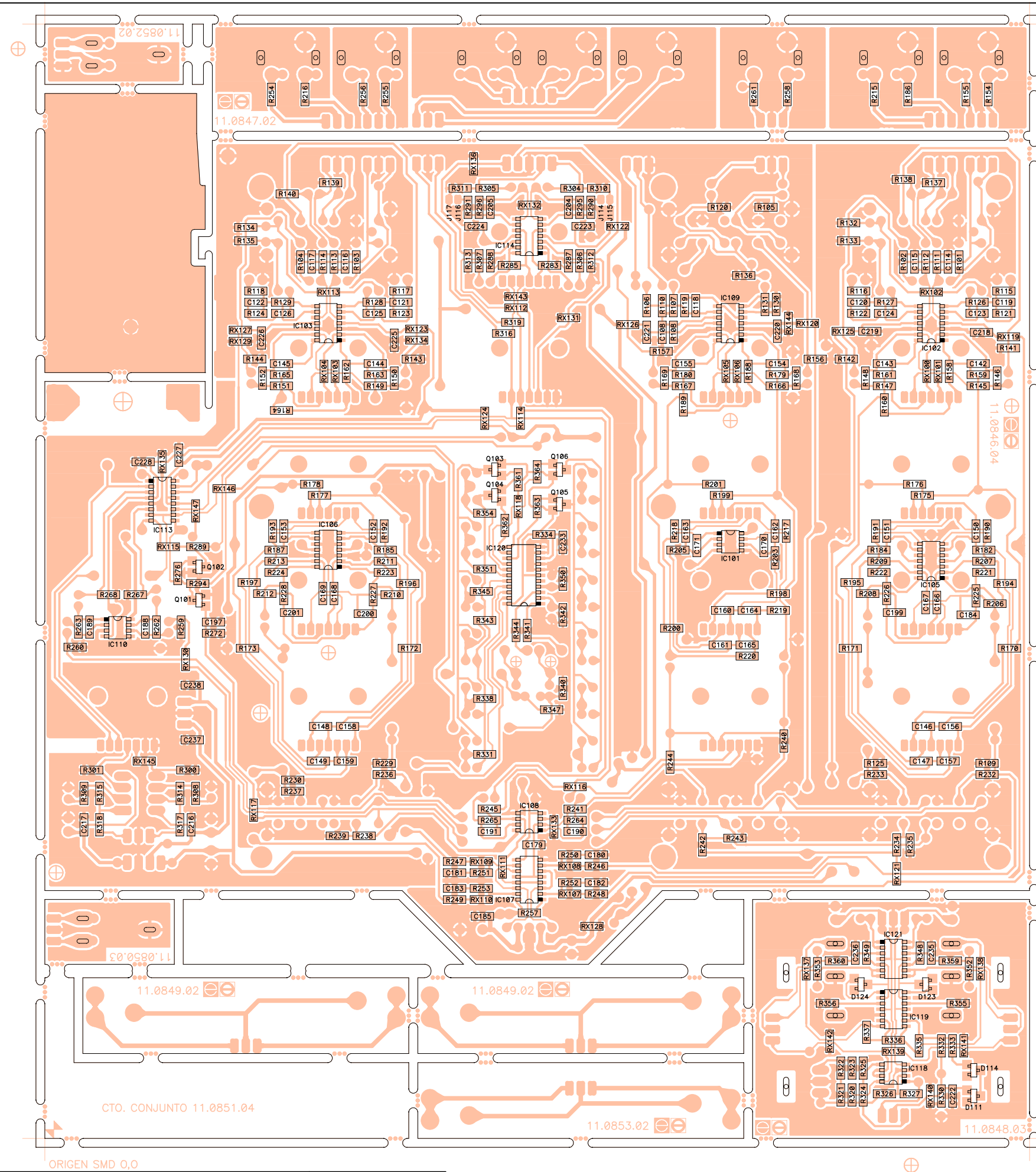
 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-04.00 schema no: 10.0543-01.03 insertion file no:	side: Component
	project n: M10-00	title:	view: Reference
number: 33.0581	version: 01.03	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	




Note: Leds mounted on the top or component side



 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-04.00 schema no: 10.0543-01.03 insertion file no:	side: Component view: Value
	project n: M10-00 product n: Concept 2	title:	Overall Ct.
number: 33.0582 drawn by: M. Amoros	version: 01.03 date: 001215	approved: J.M.Sans	



ORIGEN SMD 0,0

 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-04.00 schema no: 10.0543-01.03 insertion file no: 81.0046-01.02	side: Solder
	project n:	M10-00	view: Reference
number: 33.0583	version: 01.03	product n: Concept 2	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXCN12200	22p	C108
FCCE100000	47u/16	C101
FCCE100000	47u/16	C102
FCCE100000	47u/16	C103
FCCE300010	1u/63	C104
FCCE300010	1u/63	C105
FCCE300010	1u/63	C106
FCCE300010	1u/63	C107
FCCE030000	470u/10	C109
FCCE030000	470u/10	C110
FCCE030000	470u/10	C111
FCCE030000	470u/10	C112
FCCE100000	47u/16	C113
FCXCN21000	100p	C114
FCXCN21000	100p	C115
FCXCN21000	100p	C116
FCXCN21000	100p	C117
FCXCN12200	22p	C118
FCXCN40100	10n	C119
FCXCN40100	10n	C120
FCXCN40100	10n	C121
FCXCN40100	10n	C122
FCXCN40330	33n	C123
FCXCN40330	33n	C124
FCXCN40330	33n	C125
FCXCN40330	33n	C126
FCCE100000	47u/16	C127
FCCE100000	47u/16	C128
FCCE100000	47u/16	C129
FCCE100000	47u/16	C130
FCCE100000	47u/16	C131
FCCE100000	47u/16	C132
FCCE100000	47u/16	C133
FCCE100000	47u/16	C134
FCCE100000	47u/16	C135
FCCE100000	47u/16	C136
FCCE100000	47u/16	C137
FCCE100000	47u/16	C138
FCCE100000	47u/16	C139
FCCE100000	47u/16	C140
FCCE100000	47u/16	C141
FCXCNO4700	4p7	C142
FCXCNO4700	4p7	C143
FCXCNO4700	4p7	C144
FCXCNO4700	4p7	C145
FCXCN40330	33n	C146
FCXCN40330	33n	C147
FCXCN40330	33n	C148
FCXCN40330	33n	C149
FCXCN40022	2n2	C150
FCXCN40022	2n2	C151
FCXCN40022	2n2	C152
FCXCN40022	2n2	C153
FCXCN12200	22p	C154
FCXCN12200	22p	C155
FCXCN40330	33n	C156

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXCN40330	33n	C157
FCXCN40330	33n	C158
FCXCN40330	33n	C159
FCXCN40330	33n	C160
FCXCN40330	33n	C161
FCXCN40022	2n2	C162
FCXCN40022	2n2	C163
FCXCN40330	33n	C164
FCXCN40330	33n	C165
FCXCN40022	2n2	C166
FCXCN40022	2n2	C167
FCXCN40022	2n2	C168
FCXCN40022	2n2	C169
FCXCN12200	22p	C170
FCXCN12200	22p	C171
FCCE100000	47u/16	C172
FCCE100000	47u/16	C173
FCCE100000	47u/16	C174
FCCE100000	47u/16	C175
FCCE100000	47u/16	C176
FCCE100000	47u/16	C177
FCCE250100	10u/50	C178
FCXCN41000	100n	C179
FCXCN24700	470p	C180
FCXCN24700	470p	C181
FCXCN24700	470p	C182
FCXCN24700	470p	C183
FCXCN40010	1n	C184
FCXCN41000	100n	C185
FCCE100000	47u/16	C186
FCCE100000	47u/16	C187
FCXCN18200	82p	C188
FCXCN18200	82p	C189
FCXCN21500	150p	C190
FCXCN21500	150p	C191
FCCE250470	47u/50	C192
FCCE100000	47u/16	C193
FCCE100000	47u/16	C194
FCCE100000	47u/16	C195
FCCE100000	47u/16	C196
FCXCN41000	100n	C197
FCCE250470	47u/50	C198
FCXCN40010	1n	C199
FCXCN40010	1n	C200
FCXCN40010	1n	C201
FCXCN21000	100p	C204
FCXCN21000	100p	C205
FCCE100000	47u/16	C208
FCCE100000	47u/16	C209
FCCE100000	47u/16	C210
FCCE100000	47u/16	C211
FCCE100000	47u/16	C212
FCCE100000	47u/16	C213
FCCE250470	47u/50	C214
FCCE250470	47u/50	C215
FCXCN41000	100n	C216

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXCN41000	100n	C217
FCXCN41000	100n	C218
FCXCN41000	100n	C219
FCXCN41000	100n	C220
FCXCN41000	100n	C221
FCXCN41000	100n	C222
FCXCN41000	100n	C223
FCXCN41000	100n	C224
FCXCN41000	100n	C225
FCXCN41000	100n	C226
FCXCN41000	100n	C227
FCXCN41000	100n	C228
FCCE250100	10u/50	C229
FCCE200220	22u/35	C230
FCCE250100	10u/50	C231
FCCE200220	22u/35	C232
FCXCN40100	10n	C233
FCCE151000	100u/25	C234
FCXCN41000	100n	C235
FCXCN41000	100n	C236
FCXCN41000	100n	C237
FCXCN41000	100n	C238
FCCE250470	47u/50	C239
FCCE250470	47u/50	C240
FCCICON851	Printed Board 11.0851	CI101
FCLED300RO	LED3R	D105
FCLED300RO	LED3R	D106
FCLED300VE	LED3G	D109
FCLED300VE	LED3G	D110
FCXZ000075	Z7.5V	D111
FCLED300VE	LED3G	D112
FCLED300VE	LED3G	D113
FCXZ000075	Z7.5V	D114
FCLED300VE	LED3G	D115
FCLED300VE	LED3G	D116
FCLED300VE	LED3G	D117
FCLED300VE	LED3G	D118
FCLED300VE	LED3G	D119
FCLED300VE	LED3G	D120
FCLED300VE	LED3G	D121
FCLED300VE	LED3G	D122
FCXDDBAS16	BAS16	D123
FCXDDBAS16	BAS16	D124
FCLED300VE	LED3G	D125
FCLED300VE	LED3G	D126
FCLED300AM	LED3Y	D127
FCLED300AM	LED3Y	D128
FCLED300RO	LED3R	D129
FCLED300RO	LED3R	D130
FCLED300RO	LED3R	D131
FCLED300RO	LED3R	D132
FCLED300RO	LED3R	D133
FCLED300RO	LED3R	D134
FCLED300RO	LED3R	D135
FCLED300RO	LED3R	D136
FCFUS50080	250mA Temp.	F101

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCMECT0220	Heatsink f/TO220	HS100
FCIC072010	TL072	IC101
FCIC074010	TL074	IC102
FCIC074010	TL074	IC103
FCREG78050	7805	IC104
FCIC074010	TL074	IC105
FCIC074010	TL074	IC106
FCIC216410	SSM2164S	IC107
FCIC072010	TL072	IC108
FCIC074010	TL074	IC109
FCIC072010	TL072	IC110
FCIC212010	DG212	IC113
FCIC074010	TL074	IC114
FCIC455600	NJM4556D	IC116
FCIC431000	TL431AC	IC117
FCIC072010	TL072	IC118
FCIC074010	TL074	IC119
FCIC682000	BA6820F	IC120
FCIC074010	TL074	IC121
FCBASR0600	YKB21-3035	J101
FCBASR0600	YKB21-3035	J102
FCBASR0600	YKB21-3035	J103
FCBASR0600	YKB21-3035	J104
FCBASR0600	YKB21-3035	J105
FCTERM1000	Faston 6.3mm	J106
FCTERM1000	Faston 6.3mm	J107
FCCTM10030	S3B-EH	J110
FCBASR0600	YKB21-3035	J121
FCBASR0600	YKB21-3035	J122
FCBASR0600	YKB21-3035	J123
FCPORF3150	3/15P	PF101
FCXTT08470	BC847B	Q101
FCXTT08470	BC847B	Q102
FCXTT08570	BC857B	Q103
FCXTT08570	BC857B	Q104
FCXTT08570	BC857B	Q105
FCXTT08570	BC857B	Q106
FCXR151000	100k0	R101
FCXR151000	100k0	R102
FCXR151000	100k0	R103
FCXR151000	100k0	R104
FCXR151000	100k0	R105
FCXR131820	1k82	R106
FCXR131820	1k82	R107
FCXR144750	47k5	R108
FCXR151000	100k0	R109
FCXR152260	226k	R110
FCXR151000	100k0	R111
FCXR151000	100k0	R112
FCXR151000	100k0	R113
FCXR151000	100k0	R114
FCXR115620	56.2	R115
FCXR115620	56.2	R116
FCXR115620	56.2	R117
FCXR115620	56.2	R118
FCXR144750	47k5	R119

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXR151000	100k0	R120
FCXR137870	7k87	R121
FCXR137870	7k87	R122
FCXR137870	7k87	R123
FCXR137870	7k87	R124
FCXR151000	100k0	R125
FCXR149760	97k6	R126
FCXR149760	97k6	R127
FCXR149760	97k6	R128
FCXR149760	97k6	R129
FCXR132430	2k43	R130
FCXR141300	13k0	R131
FCXR151000	100k0	R132
FCXR151000	100k0	R133
FCXR151000	100k0	R134
FCXR151000	100k0	R135
FCXR151000	100k0	R136
FCXR151000	100k0	R137
FCXR151000	100k0	R138
FCXR151000	100k0	R139
FCXR151000	100k0	R140
FCXR151000	100k0	R141
FCXR151000	100k0	R142
FCXR151000	100k0	R143
FCXR151000	100k0	R144
FCXR136810	6k81	R145
FCXR154750	475k	R146
FCXR136810	6k81	R147
FCXR154750	475k	R148
FCXR136810	6k81	R149
FCXR154750	475k	R150
FCXR136810	6k81	R151
FCXR154750	475k	R152
FCPR217031	50kBx2cc	R153
FCXR121000	100.0	R154
FCXR121000	100.0	R155
FCXR151000	100k0	R156
FCXR151000	100k0	R157
FCXR136810	6k81	R158
FCXR154750	475k	R159
FCXR136810	6k81	R160
FCXR154750	475k	R161
FCXR136810	6k81	R162
FCXR154750	475k	R163
FCXR136810	6k81	R164
FCXR154750	475k	R165
FCXR136810	6k81	R166
FCXR136810	6k81	R167
FCXR154750	475k	R168
FCXR154750	475k	R169
FCXR141000	10k0	R170
FCXR141000	10k0	R171
FCXR141000	10k0	R172
FCXR141000	10k0	R173
FCPR217031	50kBx2cc	R174
FCXR136190	6k19	R175

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXR136190	6k19	R176
FCXR136190	6k19	R177
FCXR136190	6k19	R178
FCXR154750	475k	R179
FCXR154750	475k	R180
FCPR217031	50kBx2cc	R181
FCXR141500	15k0	R182
FCPR217031	50kBx2cc	R183
FCXR141500	15k0	R184
FCXR141500	15k0	R185
FCXR124750	475	R186
FCXR141500	15k0	R187
FCXR136810	6k81	R188
FCXR136810	6k81	R189
FCXR136190	6k19	R190
FCXR136190	6k19	R191
FCXR136190	6k19	R192
FCXR136190	6k19	R193
FCXR141000	10k0	R194
FCXR141000	10k0	R195
FCXR141000	10k0	R196
FCXR141000	10k0	R197
FCXR141000	10k0	R198
FCXR136810	6k81	R199
FCXR141000	10k0	R200
FCXR136810	6k81	R201
FCPR217031	50kBx2cc	R202
FCXR141500	15k0	R203
FCPR217031	50kBx2cc	R204
FCXR141500	15k0	R205
FCXR139090	9k09	R206
FCXR154750	475k	R207
FCXR139090	9k09	R208
FCXR154750	475k	R209
FCXR139090	9k09	R210
FCXR154750	475k	R211
FCXR139090	9k09	R212
FCXR154750	475k	R213
FCPR217031	50kBx2cc	R214
FCXR124750	475	R215
FCXR124750	475	R216
FCXR136810	6k81	R217
FCXR136810	6k81	R218
FCXR141000	10k0	R219
FCXR141000	10k0	R220
FCXR154750	475k	R221
FCXR154750	475k	R222
FCXR154750	475k	R223
FCXR154750	475k	R224
FCXR139090	9k09	R225
FCXR139090	9k09	R226
FCXR139090	9k09	R227
FCXR139090	9k09	R228
FCXR151000	100k0	R229
FCXR151000	100k0	R230
FCPR210051	10kAx2	R231

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXR142260	22k6	R232
FCXR142260	22k6	R233
FCXR151000	100k0	R234
FCXR141000	10k0	R235
FCXR142260	22k6	R236
FCXR142260	22k6	R237
FCXR151000	100k0	R238
FCXR141000	10k0	R239
FCXR137500	7k50	R240
FCXR137500	7k50	R241
FCXR151000	100k0	R242
FCXR141000	10k0	R243
FCXR137500	7k50	R244
FCXR137500	7k50	R245
FCXR142260	22k6	R246
FCXR142260	22k6	R247
FCXR142260	22k6	R248
FCXR142260	22k6	R249
FCXR125620	562	R250
FCXR125620	562	R251
FCXR125620	562	R252
FCXR125620	562	R253
FCXR124750	475	R254
FCXR121000	100.0	R255
FCXR121000	100.0	R256
FCXR141000	10K0	R257
FCXR124750	475	R258
FCXR151000	100k0	R259
FCXR151000	100k0	R260
FCXR124750	475	R261
FCXR141300	13k0	R262
FCXR141300	13k0	R263
FCXR141300	13k0	R264
FCXR141300	13k0	R265
FCXR151000	100k0	R267
FCXR151000	100k0	R268
FCXR151000	100k0	R272
FCXR151000	100k0	R276
FCPR210051	10kAx2	R279
FCPR210051	10kAx2	R280
FCXR151000	100k0	R283
FCXR151000	100k0	R285
FCXR151000	100k0	R287
FCXR151000	100k0	R288
FCXR136810	6k81	R289
FCXR141300	13k0	R290
FCXR141300	13k0	R291
FCXR136810	6k81	R294
FCXR141300	13k0	R295
FCXR141300	13k0	R296
FCPR210051	10kAx2	R299
FCXR151000	100k0	R300
FCXR151000	100k0	R301
FCXR117500	75.0	R304
FCXR117500	75.0	R305
FCXR117500	75.0	R306

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

Code	Description	Reference
FCXR117500	75.0	R307
FCXR125620	562	R308
FCXR125620	562	R309
FCXR144750	47k5	R310
FCXR144750	47k5	R311
FCXR144750	47k5	R312
FCXR144750	47k5	R313
FCXR142210	22k1	R314
FCXR142210	22k1	R315
FCXR131000	1k0	R316
FCXR121210	121	R317
FCXR121210	121	R318
FCXR131000	1k0	R319
FCXR126810	681	R320
FCXR136190	6k19	R321
FCXR122050	205	R322
FCXR132210	2k21	R323
FCXR145110	51k1	R324
FCXR142260	22k6	R325
FCXR141000	10k0	R326
FCXR141000	10k0	R327
FCXR131540	1k54	R330
FCXR121500	150.0	R331
FCXR134320	4k32	R332
FCXR131270	1k27	R333
FCXR143920	39k2	R334
FCXR132000	2k0	R335
FCXR141000	10k0	R336
FCXR141000	10k0	R337
FCXR121500	150.0	R338
FCRJC51000	10K	R339
FCXR151000	100k0	R340
FCXR131000	1k0	R341
FCXR142210	22k1	R342
FCXR121500	150.0	R343
FCXR131000	1k0	R344
FCXR121500	150.0	R345
FCRJC51000	10K	R346
FCXR151000	100k0	R347
FCXR141000	10k0	R348
FCXR141000	10k0	R349
FCXR142210	22k1	R350
FCXR121500	150.0	R351
FCXR141000	10k0	R352
FCXR141000	10k0	R353
FCXR121500	150.0	R354
FCXR141000	10k0	R355
FCXR141000	10k0	R356
FCXR144750	47k5	R359
FCXR144750	47k5	R360
FCXR132210	2k21	R361
FCXR132210	2k21	R362
FCXR132210	2k21	R363
FCXR132210	2k21	R364
FCPD220020	100kB	R400
FCPD220020	100kB	R401

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

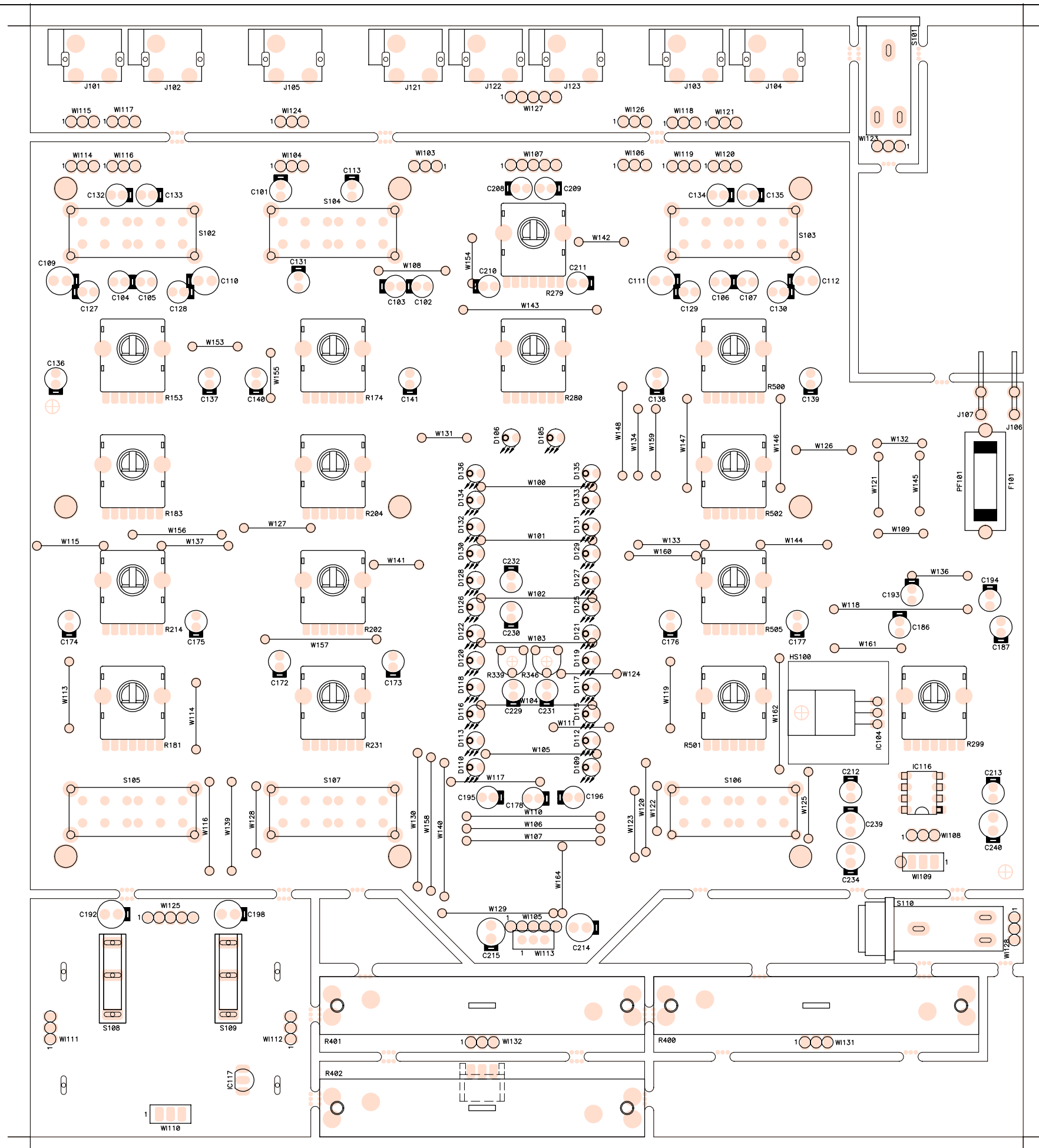
Code	Description	Reference
FCPD220020	100kB	R402
FCPR217031	50kBx2cc	R500
FCPR217031	50kBx2cc	R501
FCPR217031	50kBx2cc	R502
FCPR217031	50kBx2cc	R505
FCXR000000	0	RX100
FCXR000000	0	RX101
FCXR000000	0	RX102
FCXR000000	0	RX103
FCXR000000	0	RX104
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FCXR000000	0	RX106
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FCXR000000	0	RX116
FCXR000000	0	RX117
FCXR000000	0	RX118
FCXR000000	0	RX119
FCXR000000	0	RX120
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FCXR000000	0	RX136
FCXR000000	0	RX137
FCXR000000	0	RX138
FCXR000000	0	RX139
FCXR000000	0	RX140
FCXR000000	0	RX141
FCXR000000	0	RX142
FCXR000000	0	RX143
FCXR000000	0	RX144
FCXR000000	0	RX145
FCXR000000	0	RX146
FCXR000000	0	RX147
FCBASJ0200	YKB21-5009	S101
FCINTAP076	LS005-D4	S102
FCINTAP076	LS005-D4	S103


PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

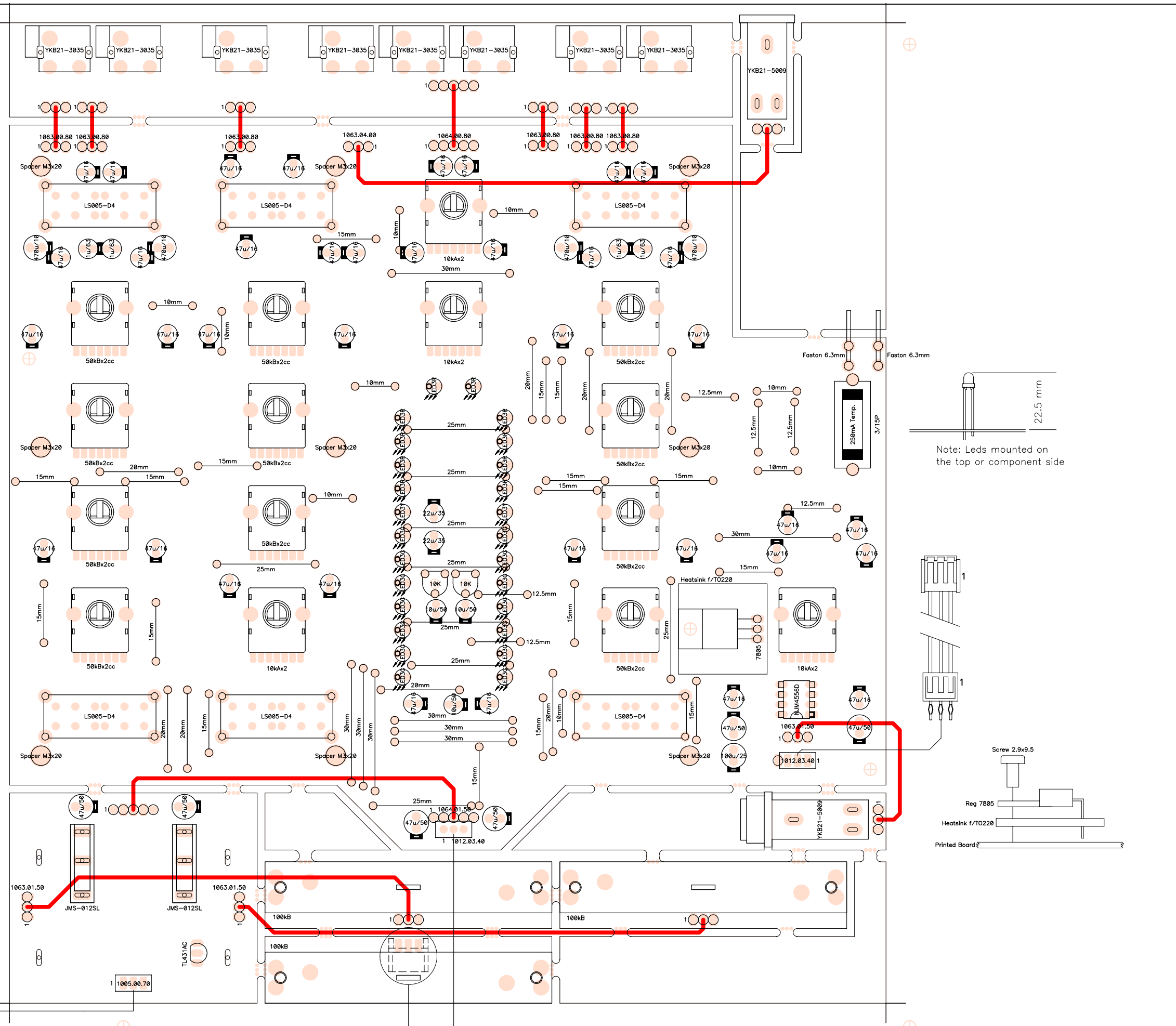
Code	Description	Reference
FCINTAP076	LS005-D4	S104
FCINTAP076	LS005-D4	S105
FCINTAP076	LS005-D4	S106
FCINTAP076	LS005-D4	S107
FCINTMIC00	JMS-012SL	S108
FCINTMIC00	JMS-012SL	S109
FCBASJ0200	YKB21-5009	S110
FCT4002909	Screw 2.9x9.5	SC100
FCSEPCI000	Spacer M3x20	SP100
FCSEPCI000	Spacer M3x20	SP101
FCSEPCI000	Spacer M3x20	SP102
FCSEPCI000	Spacer M3x20	SP103
FCSEPCI000	Spacer M3x20	SP104
FCSEPCI000	Spacer M3x20	SP105
FCSEPCI000	Spacer M3x20	SP106
FCSEPCI000	Spacer M3x20	SP107
FCSEPCI000	Spacer M3x20	SP108
FCPONT0250	25mm	W100
FCPONT0250	25mm	W101
FCPONT0250	25mm	W102
FCPONT0250	25mm	W103
FCPONT0250	25mm	W104
FCPONT0250	25mm	W105
FCPONT0300	30mm	W106
FCPONT0300	30mm	W107
FCPONT0150	15mm	W108
FCPONT0100	10mm	W109
FCPONT0300	30mm	W110
FCPONT0125	12.5mm	W111
FCPONT0250	25mm	W112
FCPONT0150	15mm	W113
FCPONT0150	15mm	W114
FCPONT0200	20mm	W115
FCPONT0200	20mm	W116
FCPONT0200	20mm	W117
FCPONT0125	12.5mm	W118
FCPONT0150	15mm	W119
FCPONT0200	20mm	W120
FCPONT0125	12.5mm	W121
FCPONT0100	10mm	W122
FCPONT0150	15mm	W123
FCPONT0125	12.5mm	W124
FCPONT0150	15mm	W125
FCPONT0150	15mm	W127
FCPONT0150	15mm	W128
FCPONT0250	25mm	W129
FCPONT0300	30mm	W130
FCPONT0100	10mm	W131
FCPONT0150	15mm	W132
FCPONT0150	15mm	W133
FCPONT0150	15mm	W134
FCPONT0125	12.5mm	W136
FCPONT0150	15mm	W137
FCPONT0200	20mm	W139
FCPONT0300	30mm	W140
FCPONT0100	10mm	W141

PARTS LIST: PRINTED CIRCUIT 11.0851.04.00

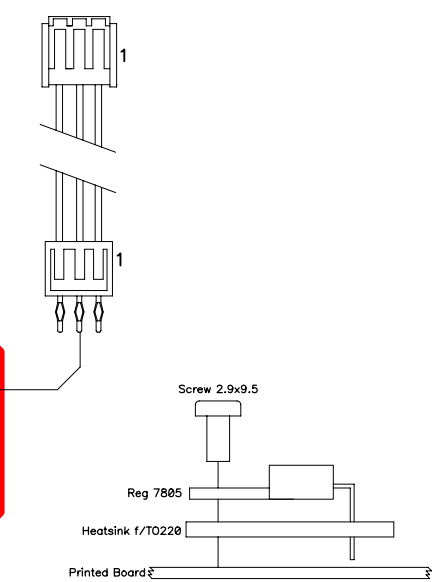
Code	Description	Reference
FCPONT0100	10mm	W142
FCPONT0300	30mm	W143
FCPONT0150	15mm	W144
FCPONT0125	12.5mm	W145
FCPONT0200	20mm	W146
FCPONT0200	20mm	W147
FCPONT0200	20mm	W148
FCPONT0100	10mm	W153
FCPONT0100	10mm	W154
FCPONT0100	10mm	W155
FCPONT0200	20mm	W156
FCPONT0250	25mm	W157
FCPONT0300	30mm	W158
FCPONT0150	15mm	W159
FCPONT0150	15mm	W160
FCPONT0150	15mm	W161
FCPONT0250	25mm	W162
FCPONT0150	15mm	W164
FC0C034130	1034.01.30	W1101
FC4I077400	1077.04.00	W1103
FC3I063080	1063.00.80	W1104
FC4I078150	1078.01.50	W1105
FC3I063080	1063.00.80	W1106
FC3K064080	1064.00.80	W1107
FC4I077150	1077.01.50	W1108
FC0C012340	1012.03.40	W1109
FC4I005070	1005.00.70	W1110
FC3I063150	1063.01.50	W1111
FC3I063150	1063.01.50	W1112
FC0C012340	1012.03.40	W1113
FC3I063080	1063.00.80	W1114
FC3I063080	1063.00.80	W1116
FC3I063080	1063.00.80	W1119
FC3I063080	1063.00.80	W1120



 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-02.00 schema no: 10.0543-01.01 insertion file no:	side: Component
	project n: M10-00	title:	view: Reference
number: 33.0581	version: 01.01	product n: Concept 1	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	

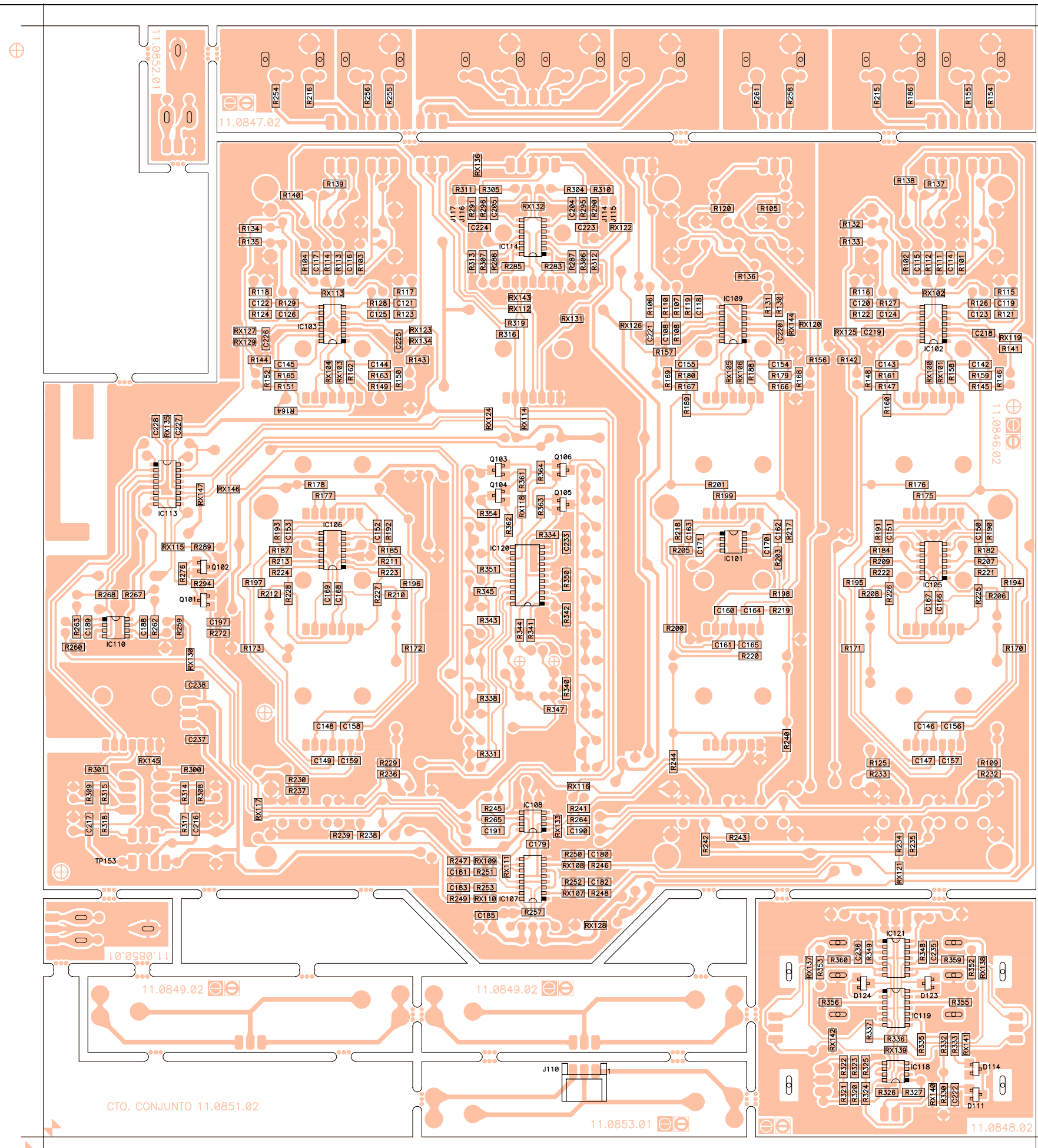


Note: Leds mounted on the top or component side




Note: Socket mounted on the bottom or solder side

 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-01.00 schema no: 10.0543-01.01 insertion file no:	side: Component
	project n:	M10-00	view: Value
number: 33.0582	version: 01.01	product n: 11.0851-02.00	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	



ORIGEN SMD 0,0

 LABORATORIO DE ELECTRO-ACUSTICA S.A.	related to:	circuit no: 11.0851-02.00 schema no: 10.0543-01.01 insertion file no: 81.0046-01.01	side: Solder
	project n:	M10-00	view: Reference
number: 33.0583	version: 01.01	product n: Concept 1	Overall Ct.
drawn by: M. Amoros	date: 001215	approved: J.M.Sans	

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXCN12200	22p	C108
FCCE100000	47u/16	C101
FCCE100000	47u/16	C102
FCCE100000	47u/16	C103
FCCE300010	1u/63	C104
FCCE300010	1u/63	C105
FCCE300010	1u/63	C106
FCCE300010	1u/63	C107
FCCE030000	470u/10	C109
FCCE030000	470u/10	C110
FCCE030000	470u/10	C111
FCCE030000	470u/10	C112
FCCE100000	47u/16	C113
FCXCN21000	100p	C114
FCXCN21000	100p	C115
FCXCN21000	100p	C116
FCXCN21000	100p	C117
FCXCN12200	22p	C118
FCXCN40100	10n	C119
FCXCN40100	10n	C120
FCXCN40100	10n	C121
FCXCN40100	10n	C122
FCXCN40330	33n	C123
FCXCN40330	33n	C124
FCXCN40330	33n	C125
FCXCN40330	33n	C126
FCCE100000	47u/16	C127
FCCE100000	47u/16	C128
FCCE100000	47u/16	C129
FCCE100000	47u/16	C130
FCCE100000	47u/16	C131
FCCE100000	47u/16	C132
FCCE100000	47u/16	C133
FCCE100000	47u/16	C134
FCCE100000	47u/16	C135
FCCE100000	47u/16	C136
FCCE100000	47u/16	C137
FCCE100000	47u/16	C138
FCCE100000	47u/16	C139
FCCE100000	47u/16	C140
FCCE100000	47u/16	C141
FCXCN04700	4p7	C142
FCXCN04700	4p7	C143
FCXCN04700	4p7	C144
FCXCN04700	4p7	C145
FCXCN40330	33n	C146
FCXCN40330	33n	C147
FCXCN40330	33n	C148
FCXCN40330	33n	C149
FCXCN40022	2n2	C150
FCXCN40022	2n2	C151
FCXCN40022	2n2	C152
FCXCN40022	2n2	C153
FCXCN12200	22p	C154
FCXCN12200	22p	C155
FCXCN40330	33n	C156

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXCN40330	33n	C157
FCXCN40330	33n	C158
FCXCN40330	33n	C159
FCXCN40330	33n	C160
FCXCN40330	33n	C161
FCXCN40022	2n2	C162
FCXCN40022	2n2	C163
FCXCN40330	33n	C164
FCXCN40330	33n	C165
FCXCN40022	2n2	C166
FCXCN40022	2n2	C167
FCXCN40022	2n2	C168
FCXCN40022	2n2	C169
FCXCN12200	22p	C170
FCXCN12200	22p	C171
FCCE100000	47u/16	C172
FCCE100000	47u/16	C173
FCCE100000	47u/16	C174
FCCE100000	47u/16	C175
FCCE100000	47u/16	C176
FCCE100000	47u/16	C177
FCCE250100	10u/50	C178
FCXCN41000	100n	C179
FCXCN24700	470p	C180
FCXCN24700	470p	C181
FCXCN24700	470p	C182
FCXCN24700	470p	C183
FCXCN40010	1n	C184
FCXCN41000	100n	C185
FCCE100000	47u/16	C186
FCCE100000	47u/16	C187
FCXCN18200	82p	C188
FCXCN18200	82p	C189
FCXCN21500	150p	C190
FCXCN21500	150p	C191
FCCE250470	47u/50	C192
FCCE100000	47u/16	C193
FCCE100000	47u/16	C194
FCCE100000	47u/16	C195
FCCE100000	47u/16	C196
FCXCN41000	100n	C197
FCCE250470	47u/50	C198
FCXCN40010	1n	C199
FCXCN40010	1n	C200
FCXCN40010	1n	C201
FCXCN21000	100p	C204
FCXCN21000	100p	C205
FCCE100000	47u/16	C208
FCCE100000	47u/16	C209
FCCE100000	47u/16	C210
FCCE100000	47u/16	C211
FCCE100000	47u/16	C212
FCCE100000	47u/16	C213
FCCE250470	47u/50	C214
FCCE250470	47u/50	C215
FCXCN41000	100n	C216

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXCN41000	100n	C217
FCXCN41000	100n	C218
FCXCN41000	100n	C219
FCXCN41000	100n	C220
FCXCN41000	100n	C221
FCXCN41000	100n	C222
FCXCN41000	100n	C223
FCXCN41000	100n	C224
FCXCN41000	100n	C225
FCXCN41000	100n	C226
FCXCN41000	100n	C227
FCXCN41000	100n	C228
FCCE250100	10u/50	C229
FCCE200220	22u/35	C230
FCCE250100	10u/50	C231
FCCE200220	22u/35	C232
FCXCN40100	10n	C233
FCCE151000	100u/25	C234
FCXCN41000	100n	C235
FCXCN41000	100n	C236
FCXCN41000	100n	C237
FCXCN41000	100n	C238
FCCE250470	47u/50	C239
FCCE250470	47u/50	C240
FCCICON851	Printed Board 11.0851	CI101
FCLED300RO	LED3R	D105
FCLED300RO	LED3R	D106
FCLED300VE	LED3G	D109
FCLED300VE	LED3G	D110
FCXZ000075	Z7.5V	D111
FCLED300VE	LED3G	D112
FCLED300VE	LED3G	D113
FCXZ000075	Z7.5V	D114
FCLED300VE	LED3G	D115
FCLED300VE	LED3G	D116
FCLED300VE	LED3G	D117
FCLED300VE	LED3G	D118
FCLED300VE	LED3G	D119
FCLED300VE	LED3G	D120
FCLED300VE	LED3G	D121
FCLED300VE	LED3G	D122
FCXDDBAS16	BAS16	D123
FCXDDBAS16	BAS16	D124
FCLED300VE	LED3G	D125
FCLED300VE	LED3G	D126
FCLED300AM	LED3Y	D127
FCLED300AM	LED3Y	D128
FCLED300RO	LED3R	D129
FCLED300RO	LED3R	D130
FCLED300RO	LED3R	D131
FCLED300RO	LED3R	D132
FCLED300RO	LED3R	D133
FCLED300RO	LED3R	D134
FCLED300RO	LED3R	D135
FCLED300RO	LED3R	D136
FCFUS50080	250mA Temp.	F101

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCMECT0220	Heatsink f/TO220	HS100
FCIC072010	TL072	IC101
FCIC074010	TL074	IC102
FCIC074010	TL074	IC103
FCREG78050	7805	IC104
FCIC074010	TL074	IC105
FCIC074010	TL074	IC106
FCIC216410	SSM2164S	IC107
FCIC072010	TL072	IC108
FCIC074010	TL074	IC109
FCIC072010	TL072	IC110
FCIC212010	DG212	IC113
FCIC074010	TL074	IC114
FCIC455600	NJM4556D	IC116
FCIC431000	TL431AC	IC117
FCIC072010	TL072	IC118
FCIC074010	TL074	IC119
FCIC682000	BA6820F	IC120
FCIC074010	TL074	IC121
FCBASR0600	YKB21-3035	J101
FCBASR0600	YKB21-3035	J102
FCBASR0600	YKB21-3035	J103
FCBASR0600	YKB21-3035	J104
FCBASR0600	YKB21-3035	J105
FCTERM1000	Faston 6.3mm	J106
FCTERM1000	Faston 6.3mm	J107
FCCTM10030	S3B-EH	J110
FCBASR0600	YKB21-3035	J121
FCBASR0600	YKB21-3035	J122
FCBASR0600	YKB21-3035	J123
FCPORF3150	3/15P	PF101
FCXTT08470	BC847B	Q101
FCXTT08470	BC847B	Q102
FCXTT08570	BC857B	Q103
FCXTT08570	BC857B	Q104
FCXTT08570	BC857B	Q105
FCXTT08570	BC857B	Q106
FCXR151000	100k0	R101
FCXR151000	100k0	R102
FCXR151000	100k0	R103
FCXR151000	100k0	R104
FCXR151000	100k0	R105
FCXR131820	1k82	R106
FCXR131820	1k82	R107
FCXR144750	47k5	R108
FCXR151000	100k0	R109
FCXR152260	226k	R110
FCXR151000	100k0	R111
FCXR151000	100k0	R112
FCXR151000	100k0	R113
FCXR151000	100k0	R114
FCXR115620	56.2	R115
FCXR115620	56.2	R116
FCXR115620	56.2	R117
FCXR115620	56.2	R118
FCXR144750	47k5	R119

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXR151000	100k0	R120
FCXR137870	7k87	R121
FCXR137870	7k87	R122
FCXR137870	7k87	R123
FCXR137870	7k87	R124
FCXR151000	100k0	R125
FCXR149760	97k6	R126
FCXR149760	97k6	R127
FCXR149760	97k6	R128
FCXR149760	97k6	R129
FCXR132430	2k43	R130
FCXR141300	13k0	R131
FCXR151000	100k0	R132
FCXR151000	100k0	R133
FCXR151000	100k0	R134
FCXR151000	100k0	R135
FCXR151000	100k0	R136
FCXR151000	100k0	R137
FCXR151000	100k0	R138
FCXR151000	100k0	R139
FCXR151000	100k0	R140
FCXR151000	100k0	R141
FCXR151000	100k0	R142
FCXR151000	100k0	R143
FCXR151000	100k0	R144
FCXR136810	6k81	R145
FCXR154750	475k	R146
FCXR136810	6k81	R147
FCXR154750	475k	R148
FCXR136810	6k81	R149
FCXR154750	475k	R150
FCXR136810	6k81	R151
FCXR154750	475k	R152
FCPR217031	50kBx2cc	R153
FCXR121000	100.0	R154
FCXR121000	100.0	R155
FCXR151000	100k0	R156
FCXR151000	100k0	R157
FCXR136810	6k81	R158
FCXR154750	475k	R159
FCXR136810	6k81	R160
FCXR154750	475k	R161
FCXR136810	6k81	R162
FCXR154750	475k	R163
FCXR136810	6k81	R164
FCXR154750	475k	R165
FCXR136810	6k81	R166
FCXR136810	6k81	R167
FCXR154750	475k	R168
FCXR154750	475k	R169
FCXR141000	10k0	R170
FCXR141000	10k0	R171
FCXR141000	10k0	R172
FCXR141000	10k0	R173
FCPR217031	50kBx2cc	R174
FCXR136190	6k19	R175

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXR136190	6k19	R176
FCXR136190	6k19	R177
FCXR136190	6k19	R178
FCXR154750	475k	R179
FCXR154750	475k	R180
FCPR217031	50kBx2cc	R181
FCXR141500	15k0	R182
FCPR217031	50kBx2cc	R183
FCXR141500	15k0	R184
FCXR141500	15k0	R185
FCXR124750	475	R186
FCXR141500	15k0	R187
FCXR136810	6k81	R188
FCXR136810	6k81	R189
FCXR136190	6k19	R190
FCXR136190	6k19	R191
FCXR136190	6k19	R192
FCXR136190	6k19	R193
FCXR141000	10k0	R194
FCXR141000	10k0	R195
FCXR141000	10k0	R196
FCXR141000	10k0	R197
FCXR141000	10k0	R198
FCXR136810	6k81	R199
FCXR141000	10k0	R200
FCXR136810	6k81	R201
FCPR217031	50kBx2cc	R202
FCXR141500	15k0	R203
FCPR217031	50kBx2cc	R204
FCXR141500	15k0	R205
FCXR139090	9k09	R206
FCXR154750	475k	R207
FCXR139090	9k09	R208
FCXR154750	475k	R209
FCXR139090	9k09	R210
FCXR154750	475k	R211
FCXR139090	9k09	R212
FCXR154750	475k	R213
FCPR217031	50kBx2cc	R214
FCXR124750	475	R215
FCXR124750	475	R216
FCXR136810	6k81	R217
FCXR136810	6k81	R218
FCXR141000	10k0	R219
FCXR141000	10k0	R220
FCXR154750	475k	R221
FCXR154750	475k	R222
FCXR154750	475k	R223
FCXR154750	475k	R224
FCXR139090	9k09	R225
FCXR139090	9k09	R226
FCXR139090	9k09	R227
FCXR139090	9k09	R228
FCXR151000	100k0	R229
FCXR151000	100k0	R230
FCPR210051	10kAx2	R231

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXR142260	22k6	R232
FCXR142260	22k6	R233
FCXR151000	100k0	R234
FCXR141000	10k0	R235
FCXR142260	22k6	R236
FCXR142260	22k6	R237
FCXR151000	100k0	R238
FCXR141000	10k0	R239
FCXR137500	7k50	R240
FCXR137500	7k50	R241
FCXR151000	100k0	R242
FCXR141000	10k0	R243
FCXR137500	7k50	R244
FCXR137500	7k50	R245
FCXR142260	22k6	R246
FCXR142260	22k6	R247
FCXR142260	22k6	R248
FCXR142260	22k6	R249
FCXR125620	562	R250
FCXR125620	562	R251
FCXR125620	562	R252
FCXR125620	562	R253
FCXR124750	475	R254
FCXR121000	100.0	R255
FCXR121000	100.0	R256
FCXR141000	10K0	R257
FCXR124750	475	R258
FCXR151000	100k0	R259
FCXR151000	100k0	R260
FCXR124750	475	R261
FCXR141300	13k0	R262
FCXR141300	13k0	R263
FCXR141300	13k0	R264
FCXR141300	13k0	R265
FCXR151000	100k0	R267
FCXR151000	100k0	R268
FCXR151000	100k0	R272
FCXR151000	100k0	R276
FCPR210051	10kAx2	R279
FCPR210051	10kAx2	R280
FCXR151000	100k0	R283
FCXR151000	100k0	R285
FCXR151000	100k0	R287
FCXR151000	100k0	R288
FCXR136810	6k81	R289
FCXR141300	13k0	R290
FCXR141300	13k0	R291
FCXR136810	6k81	R294
FCXR141300	13k0	R295
FCXR141300	13k0	R296
FCPR210051	10kAx2	R299
FCXR151000	100k0	R300
FCXR151000	100k0	R301
FCXR117500	75.0	R304
FCXR117500	75.0	R305
FCXR117500	75.0	R306

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCXR117500	75.0	R307
FCXR125620	562	R308
FCXR125620	562	R309
FCXR144750	47k5	R310
FCXR144750	47k5	R311
FCXR144750	47k5	R312
FCXR144750	47k5	R313
FCXR142210	22k1	R314
FCXR142210	22k1	R315
FCXR131000	1k0	R316
FCXR121210	121	R317
FCXR121210	121	R318
FCXR131000	1k0	R319
FCXR126810	681	R320
FCXR136190	6k19	R321
FCXR122050	205	R322
FCXR132210	2k21	R323
FCXR145110	51k1	R324
FCXR142260	22k6	R325
FCXR141000	10k0	R326
FCXR141000	10k0	R327
FCXR131540	1k54	R330
FCXR121500	150.0	R331
FCXR134320	4k32	R332
FCXR131270	1k27	R333
FCXR143920	39k2	R334
FCXR132000	2k0	R335
FCXR141000	10k0	R336
FCXR141000	10k0	R337
FCXR121500	150.0	R338
FCRJC51000	10K	R339
FCXR151000	100k0	R340
FCXR131000	1k0	R341
FCXR142210	22k1	R342
FCXR121500	150.0	R343
FCXR131000	1k0	R344
FCXR121500	150.0	R345
FCRJC51000	10K	R346
FCXR151000	100k0	R347
FCXR141000	10k0	R348
FCXR141000	10k0	R349
FCXR142210	22k1	R350
FCXR121500	150.0	R351
FCXR141000	10k0	R352
FCXR141000	10k0	R353
FCXR121500	150.0	R354
FCXR141000	10k0	R355
FCXR141000	10k0	R356
FCXR144750	47k5	R359
FCXR144750	47k5	R360
FCXR132210	2k21	R361
FCXR132210	2k21	R362
FCXR132210	2k21	R363
FCXR132210	2k21	R364
FCPD220020	100kB	R400
FCPD220020	100kB	R401

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCPD220020	100kB	R402
FCPR217031	50kBx2cc	R500
FCPR217031	50kBx2cc	R501
FCPR217031	50kBx2cc	R502
FCPR217031	50kBx2cc	R505
FCXR000000	0	RX100
FCXR000000	0	RX101
FCXR000000	0	RX102
FCXR000000	0	RX103
FCXR000000	0	RX104
FCXR000000	0	RX105
FCXR000000	0	RX106
FCXR000000	0	RX107
FCXR000000	0	RX108
FCXR000000	0	RX109
FCXR000000	0	RX110
FCXR000000	0	RX111
FCXR000000	0	RX112
FCXR000000	0	RX113
FCXR000000	0	RX114
FCXR000000	0	RX115
FCXR000000	0	RX116
FCXR000000	0	RX117
FCXR000000	0	RX118
FCXR000000	0	RX119
FCXR000000	0	RX120
FCXR000000	0	RX121
FCXR000000	0	RX122
FCXR000000	0	RX123
FCXR000000	0	RX124
FCXR000000	0	RX125
FCXR000000	0	RX126
FCXR000000	0	RX127
FCXR000000	0	RX128
FCXR000000	0	RX129
FCXR000000	0	RX130
FCXR000000	0	RX131
FCXR000000	0	RX132
FCXR000000	0	RX133
FCXR000000	0	RX134
FCXR000000	0	RX135
FCXR000000	0	RX136
FCXR000000	0	RX137
FCXR000000	0	RX138
FCXR000000	0	RX139
FCXR000000	0	RX140
FCXR000000	0	RX141
FCXR000000	0	RX142
FCXR000000	0	RX143
FCXR000000	0	RX144
FCXR000000	0	RX145
FCXR000000	0	RX146
FCXR000000	0	RX147
FCBASJ0200	YKB21-5009	S101
FCINTAP076	LS005-D4	S102
FCINTAP076	LS005-D4	S103

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCINTAP076	LS005-D4	S104
FCINTAP076	LS005-D4	S105
FCINTAP076	LS005-D4	S106
FCINTAP076	LS005-D4	S107
FCINTMIC00	JMS-012SL	S108
FCINTMIC00	JMS-012SL	S109
FCBASJ0200	YKB21-5009	S110
FCT4002909	Screw 2.9x9.5	SC100
FCSEPCI000	Spacer M3x20	SP100
FCSEPCI000	Spacer M3x20	SP101
FCSEPCI000	Spacer M3x20	SP102
FCSEPCI000	Spacer M3x20	SP103
FCSEPCI000	Spacer M3x20	SP104
FCSEPCI000	Spacer M3x20	SP105
FCSEPCI000	Spacer M3x20	SP106
FCSEPCI000	Spacer M3x20	SP107
FCSEPCI000	Spacer M3x20	SP108
FCPONT0250	25mm	W100
FCPONT0250	25mm	W101
FCPONT0250	25mm	W102
FCPONT0250	25mm	W103
FCPONT0250	25mm	W104
FCPONT0250	25mm	W105
FCPONT0300	30mm	W106
FCPONT0300	30mm	W107
FCPONT0150	15mm	W108
FCPONT0100	10mm	W109
FCPONT0300	30mm	W110
FCPONT0125	12.5mm	W111
FCPONT0250	25mm	W112
FCPONT0150	15mm	W113
FCPONT0150	15mm	W114
FCPONT0200	20mm	W115
FCPONT0200	20mm	W116
FCPONT0200	20mm	W117
FCPONT0125	12.5mm	W118
FCPONT0150	15mm	W119
FCPONT0200	20mm	W120
FCPONT0125	12.5mm	W121
FCPONT0100	10mm	W122
FCPONT0150	15mm	W123
FCPONT0125	12.5mm	W124
FCPONT0150	15mm	W125
FCPONT0150	15mm	W127
FCPONT0150	15mm	W128
FCPONT0250	25mm	W129
FCPONT0300	30mm	W130
FCPONT0100	10mm	W131
FCPONT0150	15mm	W132
FCPONT0150	15mm	W133
FCPONT0150	15mm	W134
FCPONT0125	12.5mm	W136
FCPONT0150	15mm	W137
FCPONT0200	20mm	W139
FCPONT0300	30mm	W140
FCPONT0100	10mm	W141

PARTS LIST: PRINTED CIRCUIT 11.0851.03.00

Code	Description	Reference
FCPONT0100	10mm	W142
FCPONT0300	30mm	W143
FCPONT0150	15mm	W144
FCPONT0125	12.5mm	W145
FCPONT0200	20mm	W146
FCPONT0200	20mm	W147
FCPONT0200	20mm	W148
FCPONT0100	10mm	W153
FCPONT0100	10mm	W154
FCPONT0100	10mm	W155
FCPONT0200	20mm	W156
FCPONT0250	25mm	W157
FCPONT0300	30mm	W158
FCPONT0150	15mm	W159
FCPONT0150	15mm	W160
FCPONT0150	15mm	W161
FCPONT0250	25mm	W162
FCPONT0150	15mm	W164
FC0C034130	1034.01.30	W1101
FC3I063400	1063.04.00	W1103
FC3I063080	1063.00.80	W1104
FC3K064150	1064.01.50	W1105
FC3I063080	1063.00.80	W1106
FC3K064080	1064.00.80	W1107
FC3I063150	1063.01.50	W1108
FC0C012340	1012.03.40	W1109
FC4I005070	1005.00.70	W1110
FC3I063150	1063.01.50	W1111
FC3I063150	1063.01.50	W1112
FC0C012340	1012.03.40	W1113
FC3I063080	1063.00.80	W1114
FC3I063080	1063.00.80	W1116
FC3I063080	1063.00.80	W1119
FC3I063080	1063.00.80	W1120

PRELIMINARY

Adjust the knobs to the positions as listed below:

- Tone controls set to middle position.
- Faders up to maximum.
- Gain control knob turned to center position.
- Crossfader slided to center position.
- Volume control knobs VOL, VOL1 and VOL2 turned up to maximum.
- Input selector set to CD or LINE.
- PFL selector switched OFF.

Sensitivities:

- PHONO -40 dBV
- LINE -5 dBV
- CD + 5 dBV
- MICRO (BAL) -50 dBV
- OUT 1 (BAL) 0 (+ 6) dBV
- OUT 2 (BAL) 0 dBV
- REC 0dBV
- HEADPHONES 230mW/400Ω

VERIFICATION

Turn on the mixing unit using the main switch. Verify that the green-coloured power-on neon on the switch lights up, and also the mix-indicating LED does.

Apply a 1KHz + 5dBV input signal to CD INPUT 1.

When all signal measurements are done on the REC output, verify that:

- 1.-VU-meter LED's are lit and display a 0dB level.
- 2.-The GAIN control is performing correctly, as its gain range should be ± 15 dB.
- 3.-The tone controls are correct (± 12 dB at 10KHz, ± 15 dB at 1'8KHz and ± 12 dB at 100Hz)
- 4.-Check the VOLUME control. At minimum, output signal should be cutted off; the VU meter's displayed level depends on the output signal level. Leave the volume control at position 10.
- 5.-Verify the Crossfader's functioning. When slided to the left, output level increases up to maximum level. When slided to the right, output signal fades away and is cutted off. Also the VU-meter should display the output signal evolution.

6.-Press the PUNCH button (left), and verify that the output signal recovers a 0dB level. Leave the crossfader at it's central position.

7.-Connect a set of headphones to the HEADPHONES jack-type output. Verify there is signal indeed, and that when varying the headphone volume control knob, this output signal is also altered. Leave this volume control turned up at maximum, and check that when handling the channel volume control the headphone output signal is also altered. Leave the channel volume control knob on position 10.

8.-Turn on the PFL selection switch. Now the channel volume control does not affect nor the headphones level, nor the VU-meter displayed level, but does affect indeed the REC output signal level.

9.-Switch the input selector over to PHONO. Verify the RIAA filter response curve (+ 2dB at 100Hz, -24dB at 10KHz), level -40dB.

Repeat this whole procedure on channel 2, but take care about the performance of crossfader and punch functions, as their functioning will be inverse as described for channel 1.

Apply a -5dB level 1KHz signal to LINE INPUT3. From the listing above, repeat steps 1, 2, 3, 4, 7 and 8.

Change the input selector from LINE to MICRO.

Apply a -50dB 1KHz signal to the MICROPHONE jack-type input. Check that the REC output signal level is 0dB.

Verify the two other outputs, OUT1 and OUT2, and their correspondent volume controls. Notice that OUT1 is internally presetable to + 6dB level.

To submit the unit to a burning test, leave it connected to the mains supply and turned on for 24 hours.

SAFETY CHECKING TESTS

Before both tests:

Disconnect unit under test from mains.

Short-circuit and connect together to ground bolt/nut all inputs, outputs and all other external connectors except mains plug.

Switch "GROUND LINK" to ON position.

Switch "POWER" to ON position.

Earth continuity test:

Connect earth tester between the mains connector ground pin and the ground bolt/nut fitted at the unit chassis back plate. Apply a 10A current and verify that the earth path has less than 0.1 ohm resistance.

Dielectric strength test:

Connect the dielectric strength tester between mains input (both power lines short-circuited) and the earth input pin from mains connector.

Adjust the current limit of tester to a 10mA value.

Apply a 1500Vac voltage during 5 sec.

The isolation may withstand this voltage without sparks or corona effects and thus, the tester may not indicate fault condition.

WARNING: Do not remove or touch high voltage probes before test completion.

VERIFICATION USING MUSIC

Verify all signal in- and outputs with music. Verify that all signal controls are functioning correctly, and that a good sound quality is obtained, noise- and distortion-free.

To ensure that all electrical junctions are well-fixed, hit the tested unit against your working table, obviously without damaging its outer presentation; no crisping or annoying background noise should be added to the output signal due to this.

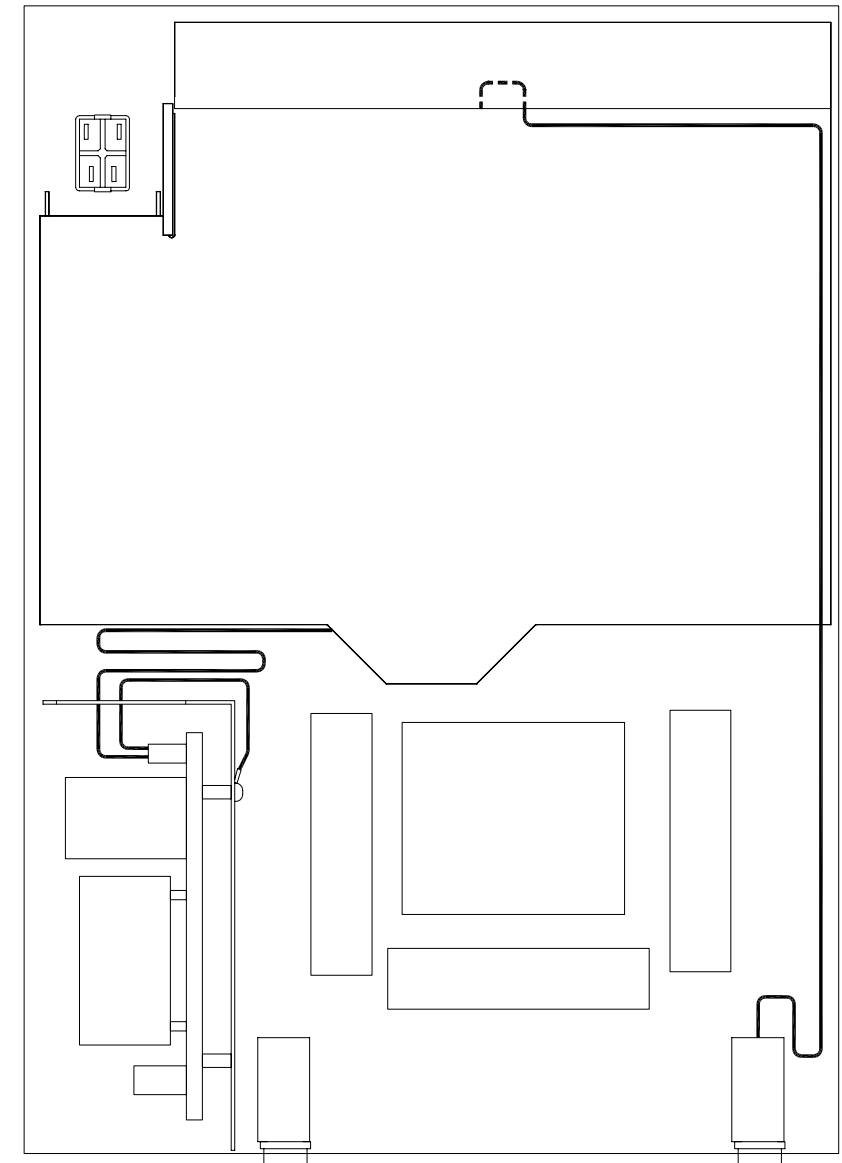
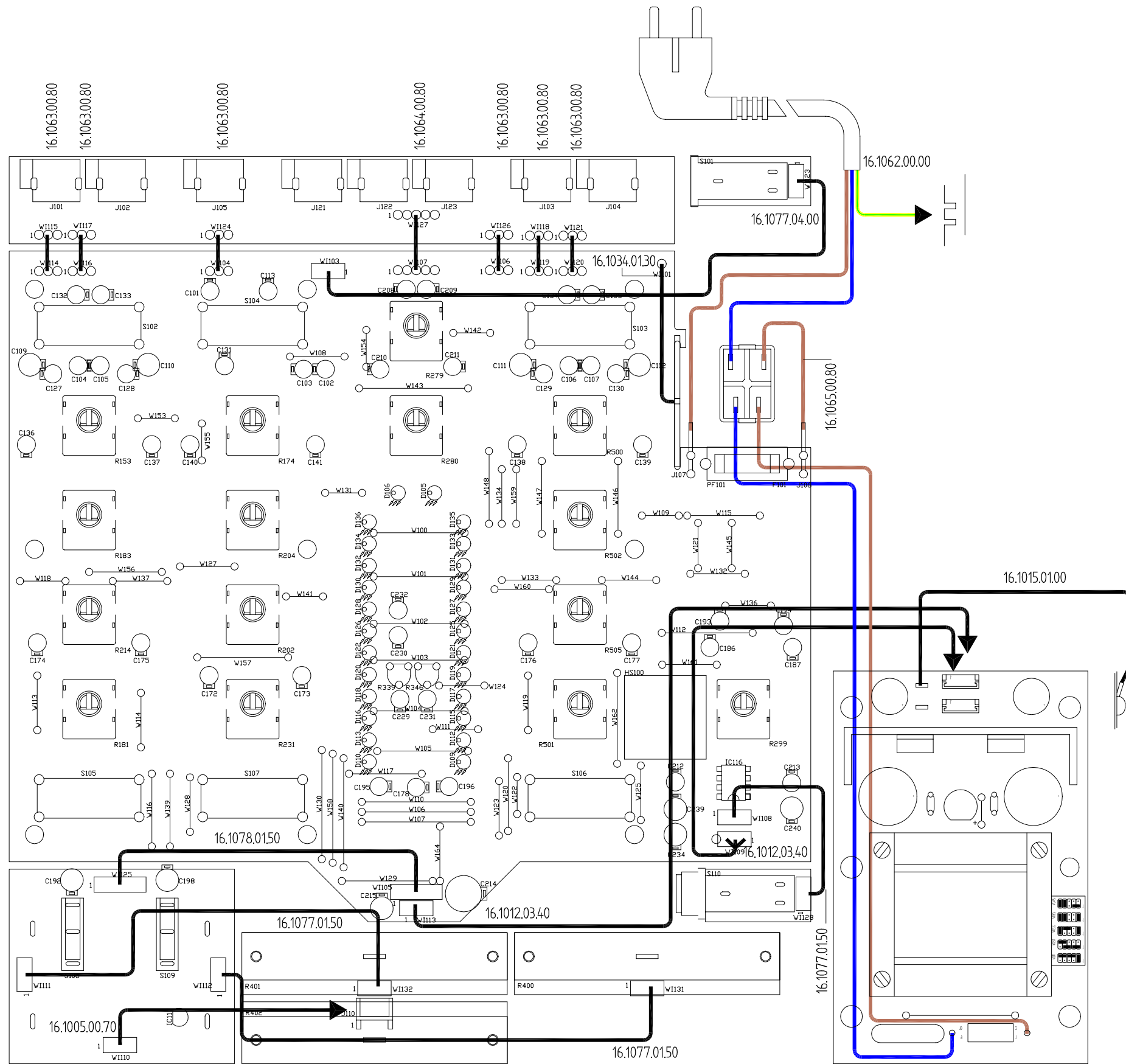
QUALITY CONTROL

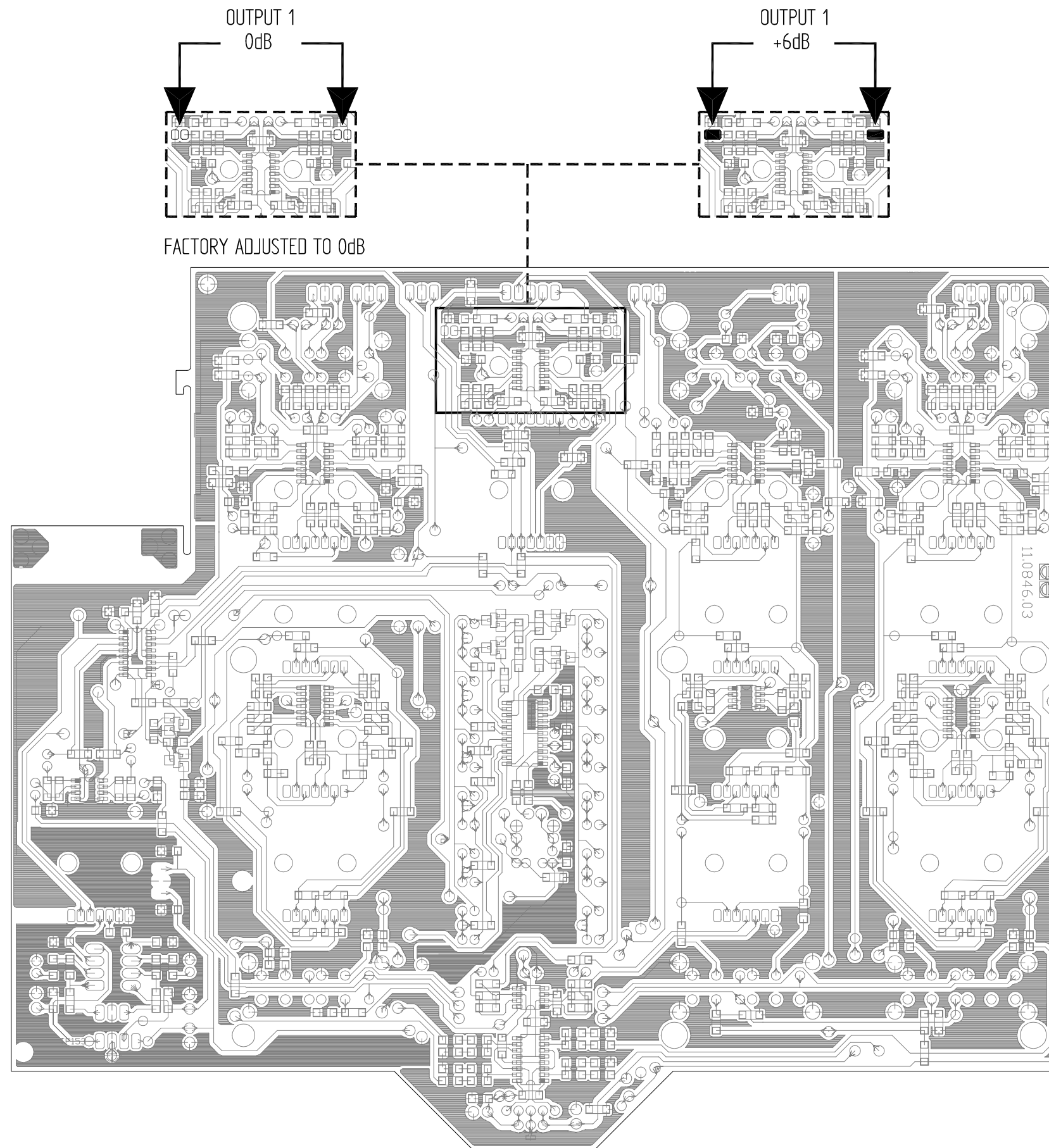
All mechanical parts should be visually revised, in order to detect scratches on the unit's painting; all screws should be on their place, correctly tight and unmarked. Check out the unit's general presentation.

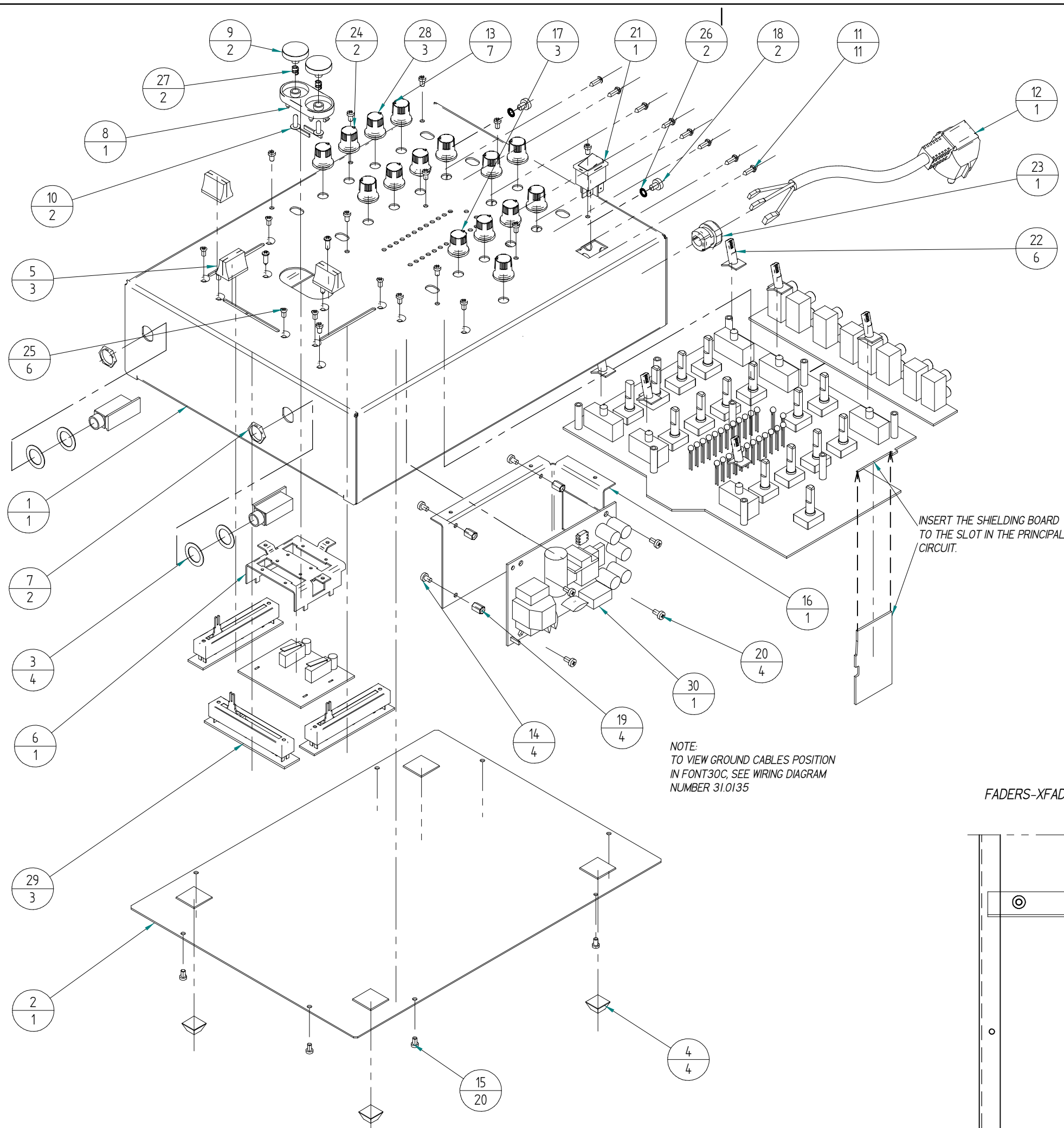
TECHNICAL CHARACTERISTICS

Inputs Sensitivity nom/Impedance	PHONO	-40 dBV/50k Ω
	LINE	-5 dBV/> 6k Ω
	CD	+ 5 dBV/> 6k Ω
	MICRO (BAL)	-50dBV/1.82k Ω
Outputs Level/Minimum Load	OUT 1	0(+ 6)*dBV 2k Ω 1 (2)V
	OUT 2	0dBV 2k Ω
	REC	0dBV/10k Ω
	HEADPHONES	230mW/400 Ω
Input sensitivity adjust	GAIN	\pm 15dB
Frequency Response	PHONO	RIAA \pm 0.5dB
	LINE/CD	10Hz \div 30kHz -1dB
	MICRO	10Hz \div 30kHz -1dB
Harmonic Distortion	PHONO	< 0.09%
	LINE/CD	< 0.08%
	MICRO	< 0.15%
CMRR	MICRO	> 70dB @ 1kHz
Signal Noise Ratio	PHONO	> 90dB
	LINE/CD	> 95dB
	MICRO	> 75dB
Tone control	BASS	100Hz \pm 12dB
	MID	1.8KHz \pm 15dB
	TREBLE	10KHz \pm 12dB
Mains		90-264VAC
Power consumption		11,5VA
Dimensions	Panel	230x310mm
	Depth	80mm
Weight		2,7kg.

*Internally selectable

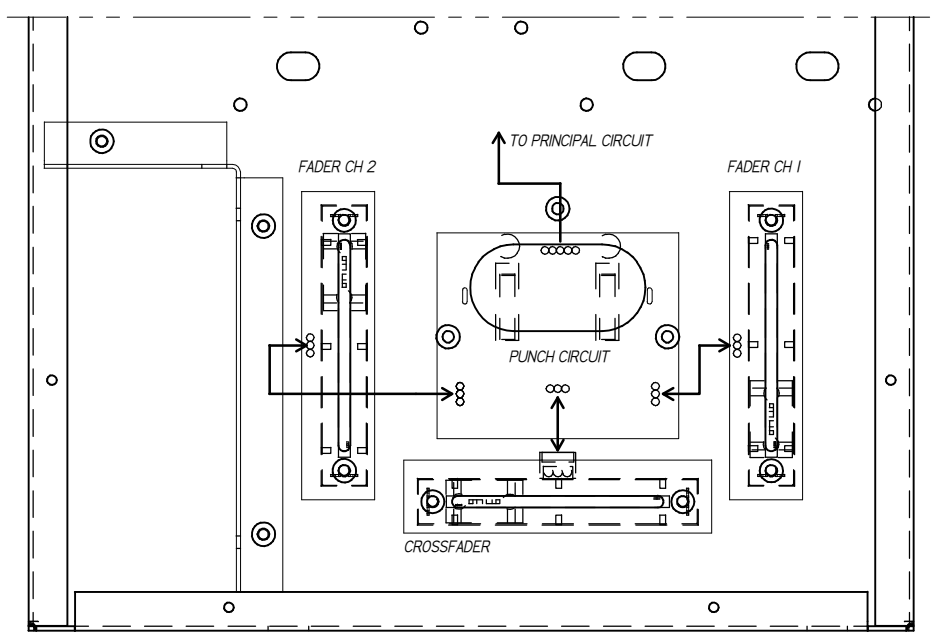


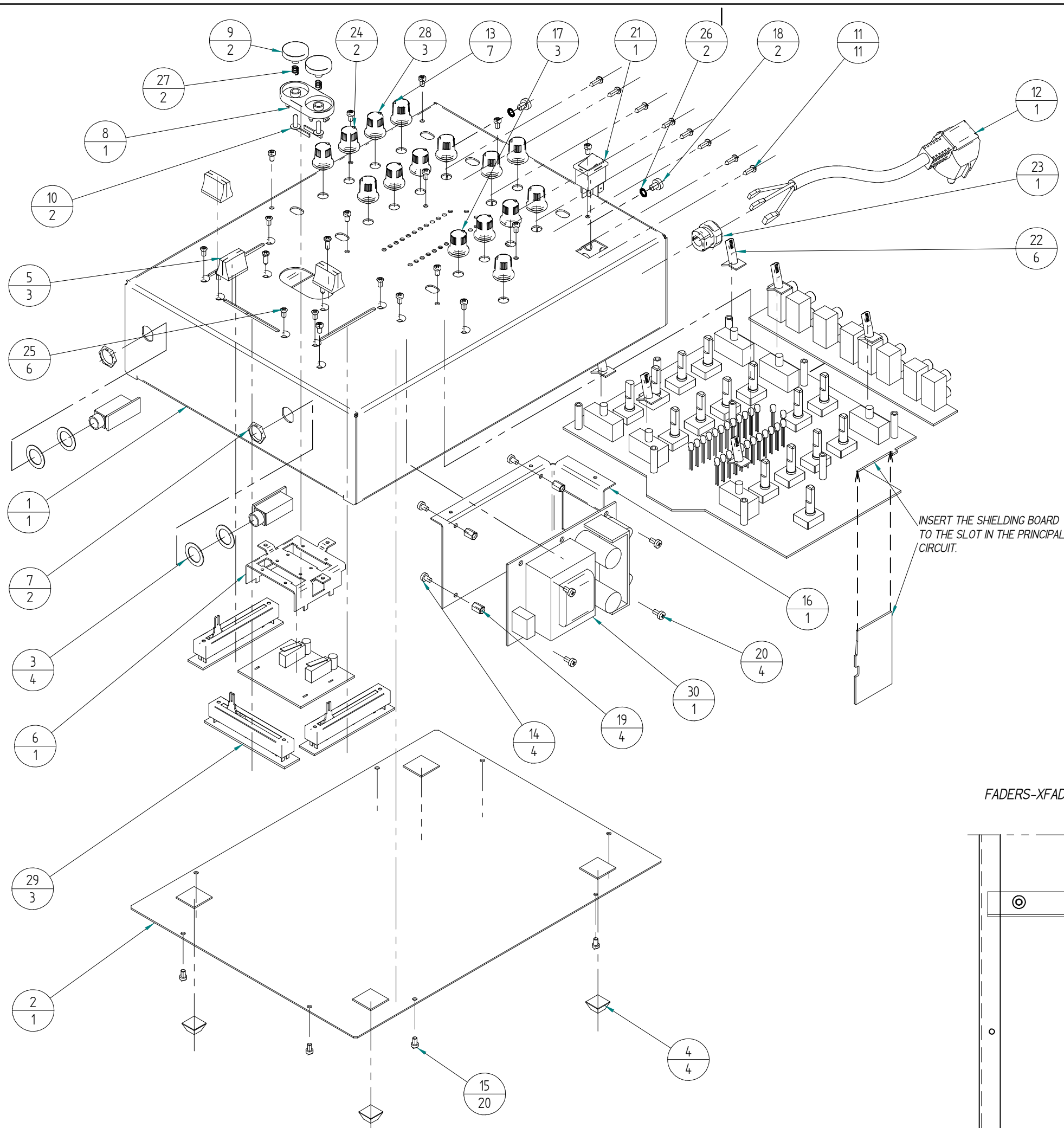




N°	Qty	ECLER Code	Description
1	1	FCMECM2643	BASE CHASSIS
2	1	FCMECM2644	BOTTOM COVER
3	4	FCARM18120	WASHER 18X12X0,5
4	4	FCPIE11255	RUBBER FOOT
5	3	FCBOTD0800	SMAC FADER KNOB
6	1	FCMECPRO56	CUT MECHANICAL SUPPORT
7	2	FCTUE01200	NUT M12
8	1	FCBASSAMPO	BASE FOR CUT TWIN KNOB
9	2	FCBOTSAMPO	SINGLE CUT KNOB
10	2	FCPALSAMPO	LEVER FOR CUT TWIN KNOB
11	11	FCT4002909	SCREW 2,9x9,5 D7981F BLACK
12	1	FCCONX0250	MAINS CORD 3X0,75
13	7	GENERIC	ROTARY KNOB SPIDER D15 WHITE
14	4	FCT8030050	SCREW DIN 7985 M3x5 COMBI
15	20	FCT8503005	SCREW M3x5 REDUCED HEAD
16	1	FCMECHIP80	POWER SUPPLY MEC. SUPPORT
17	3	GENERIC	ROTARY KNOB SPIDER D15 RED
18	2	FCT8040061	SCREW M4x6 SPANLO WHITE
19	4	FCSEP30800	SPACER M3x8
20	4	FCT7503006	SCREW M3x6 D7985
21	1	FCINTRED20	MAINS SWITCH W/LIGHT
22	6	FCBOTCON10	SWITCH LEVER SHORT
23	1	FCPCOOPM54	BUSHING PM54R
24	2	GENERIC	ROTARY KNOB SPIDER D15 GREEN
25	6	FCT3503005	SREW DIN966 M3x5 BLACK
26	2	FCARS40000	SEGMENTED WASHER M4
27	2	FCMUELLE00	SPRING 10x8 FOR CUT KNOB
28	3	GENERIC	ROTARY KNOB SPIDER D15 BLUE
29	3	FCPD220020	POTENTIOMETER 100Kx2 45mm
30	1	GENERIC	FONT30C POWER SUPPLY

FADERS-XFADER WIRING DIAGRAM (BOTTOM VIEW)





N°	Qty	ECLER Code	Description
1	1	FCMECM2643	BASE CHASSIS
2	1	FCMECM2644	BOTTOM COVER
3	4	FCARM18120	WASHER 18X12X0,5
4	4	FCPIE11255	RUBBER FOOT
5	3	FCBOTD0800	SMAC FADER KNOB
6	1	FCMECPRO56	CUT MECHANICAL SUPPORT
7	2	FCTUE01200	NUT M12
8	1	FCBASSAMPO	BASE FOR CUT TWIN KNOB
9	2	FCBOTSAMPO	SINGLE CUT KNOB
10	2	FCPALSAMPO	LEVER FOR CUT TWIN KNOB
11	11	FCT4002909	SCREW 2,9x9,5 D7981F BLACK
12	1	FCCONX0250	MAINS CORD 3X0,75
13	7	GENERIC	ROTARY KNOB SPIDER D15 WHITE
14	4	FCT8030050	SCREW DIN 7985 M3x5 COMBI
15	20	FCT8503005	SCREW M3x5 REDUCED HEAD
16	1	FCMECHIP80	POWER SUPPLY MEC. SUPPORT
17	3	GENERIC	ROTARY KNOB SPIDER D15 RED
18	2	FCT8040061	SCREW M4x6 SPANLO WHITE
19	4	FCSEP30800	SPACER M3x8
20	4	FCT7503006	SCREW M3x6 D7985
21	1	FCINTRED20	MAINS SWITCH W/LIGHT
22	6	FCBOTCON10	SWITCH LEVER SHORT
23	1	FCPCOOPM54	BUSHING PM54R
24	2	GENERIC	ROTARY KNOB SPIDER D15 GREEN
25	6	FCT3503005	SREW DIN966 M3x5 BLACK
26	2	FCARS40000	SEGMENTED WASHER M4
27	2	FCMUELLE00	SPRING 10x8 FOR CUT KNOB
28	3	GENERIC	ROTARY KNOB SPIDER D15 BLUE
29	3	FCPD220020	POTENTIOMETER 100Kx2 45mm
30	1	GENERIC	FONT30 POWER SUPPLY

FADERS-XFADER WIRING DIAGRAM (BOTTOM VIEW)

