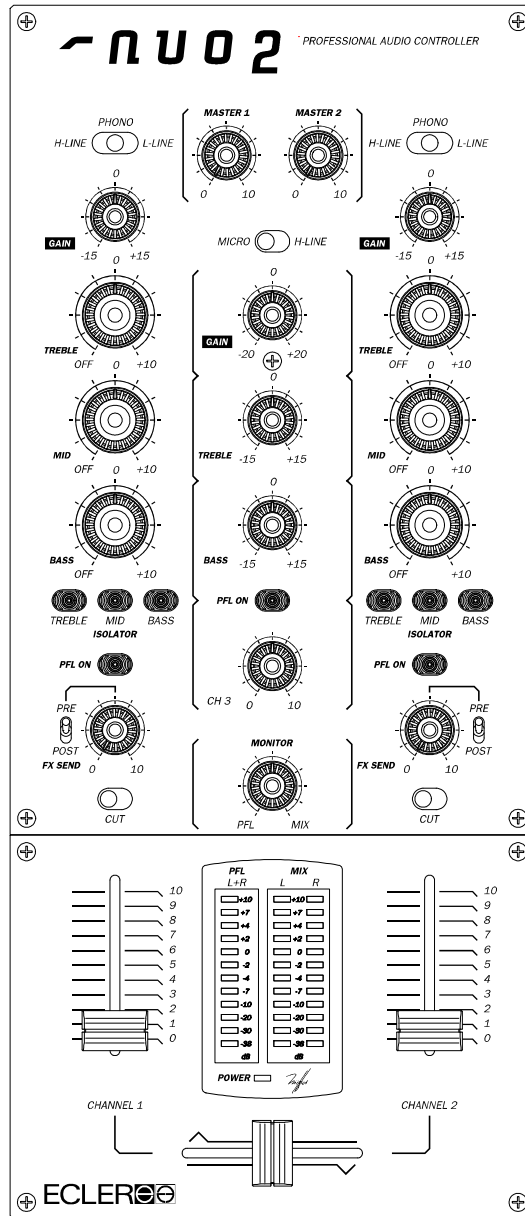


NUO2

SERVICE MANUAL



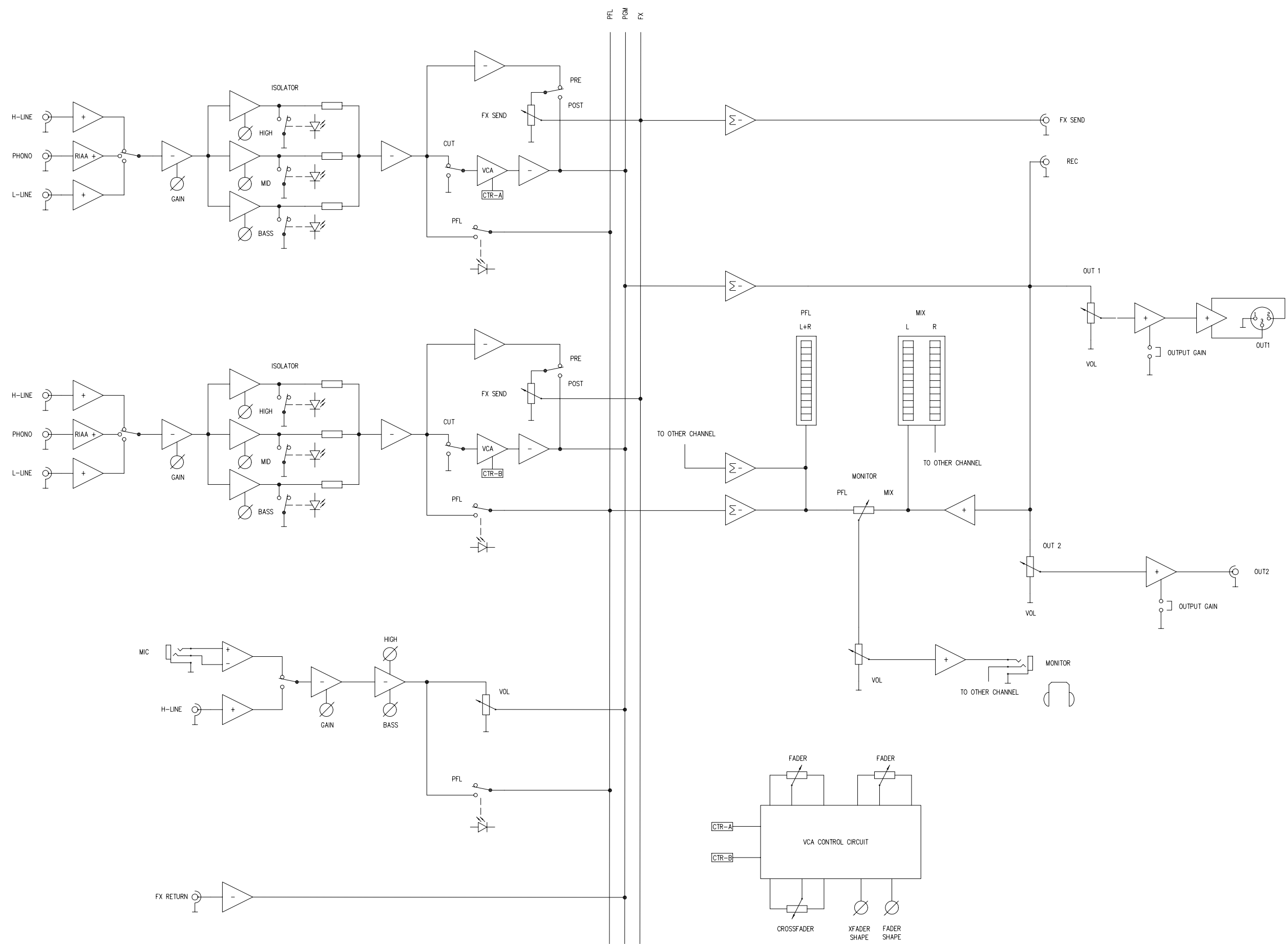
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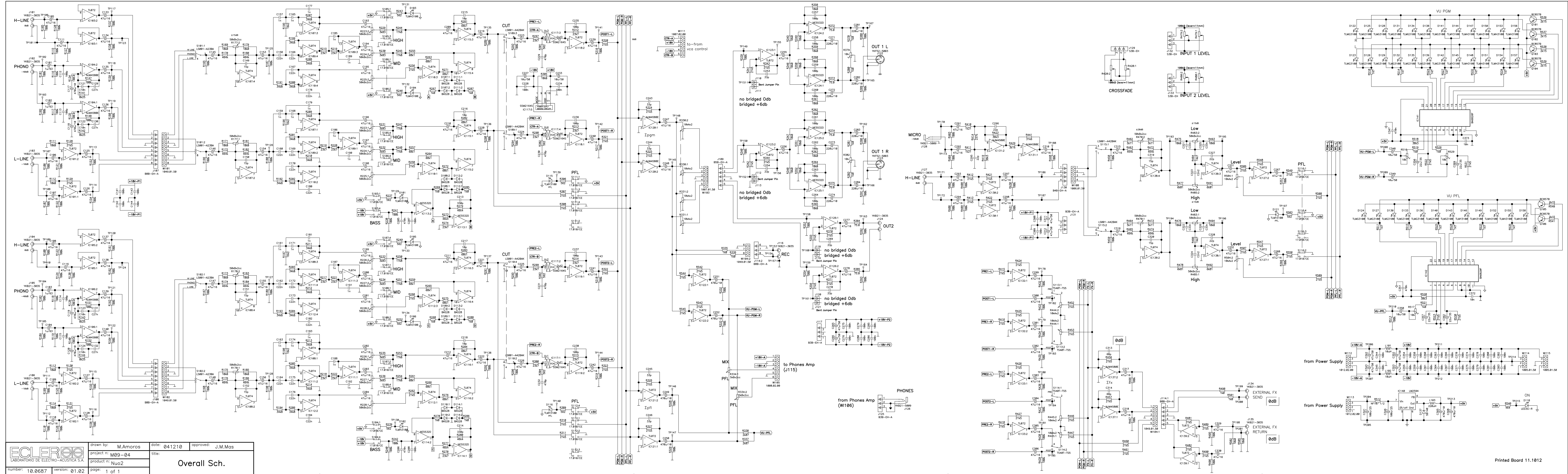
AUDIO CREATIVE POWER

SERVICE MANUAL NUO2


INDEX

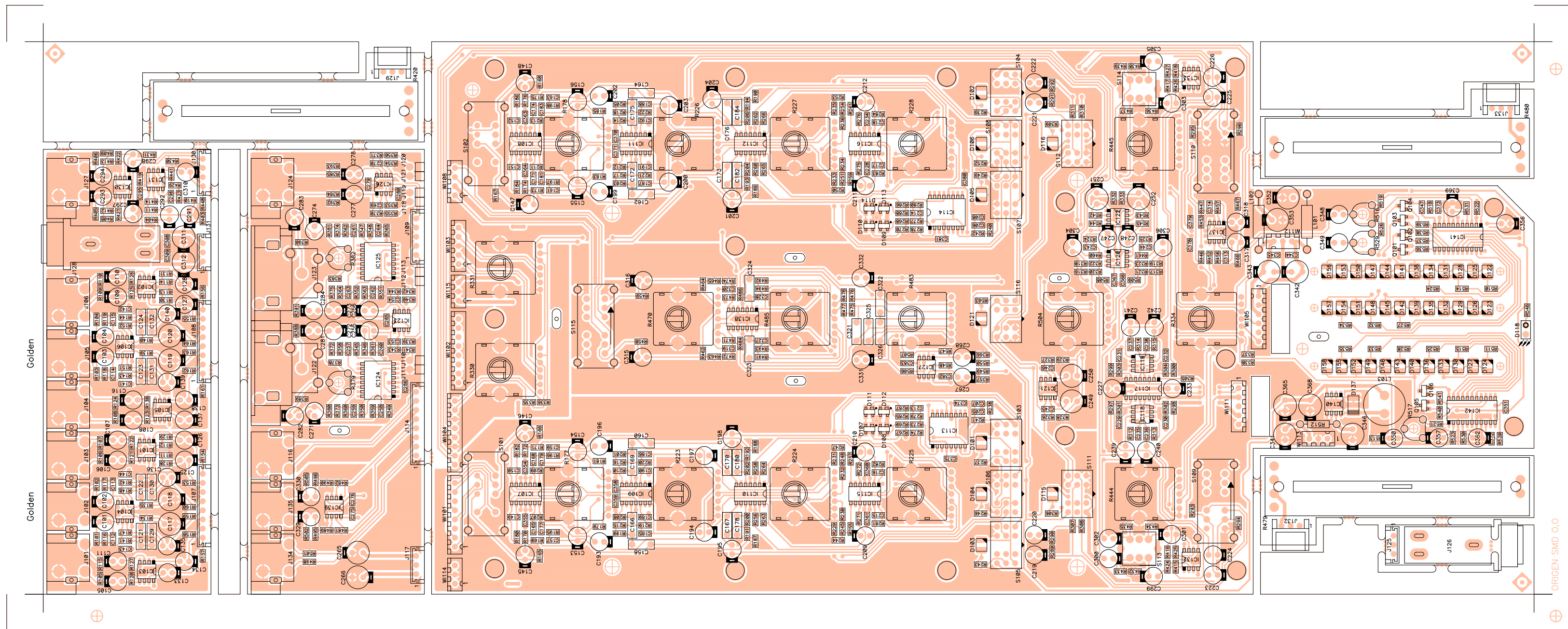
- BLOCK DIAGRAM
- SCHEMATICS
- COMPONENTS LOCATION SCHEMA
- TECHNICAL CHARACTERISTICS
- WIRING DIAGRAM
- CONFIGURATION DIAGRAM
- MECHANICAL DIAGRAM
- PACKING DIAGRAM



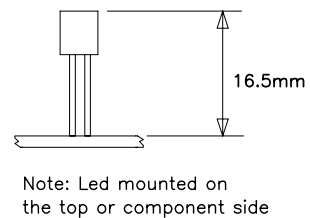




 LABORATORIO DE ELECTRO-ACÚSTICA S.A.	related to: circuit no: 11.1012-03.00 schema no: 10.0687-01.02 insertion file no: 81.0095-01.01		side: Component
	project n: M09-04	title:	view: Reference
number: 33.0910 version: 01.01	product n: Nuo2		
drawn by: M. Amoros date: 041210	approved: J.M.Mas		



related to:	circuit no: 11.1012-03.00 schema no: 10.0687-01.02 insertion file no: 81.0095-01.01	side: Component view: Value
project n: M09-04	Main ct.	
product n: Nuo2		
approved: J.M.Mas		



PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCCE30001000	1u/63	C101
FCCE30001000	1u/63	C102
FCCE30001000	1u/63	C103
FCCE30001000	1u/63	C104
FCCE10000000	47u/16	C105
FCCE10000000	47u/16	C106
FCCE10000000	47u/16	C107
FCCE10000000	47u/16	C108
FCCE10000000	47u/16	C109
FCCE10000000	47u/16	C110
FCCE10000000	47u/16	C111
FCXCD2100000	100p	C112
FCXCD2100000	100p	C113
FCXCD2100000	100p	C114
FCXCD2100000	100p	C115
FCCE10000000	47u/16	C116
FCCE03000000	470u/10	C117
FCCE03000000	470u/10	C118
FCCE03000000	470u/10	C119
FCCE03000000	470u/10	C120
FCCDK1010000	C10n	C121
FCCDK1010000	C10n	C122
FCCDK1010000	C10n	C123
FCCDK1010000	C10n	C124
FCCE10000000	47u/16	C125
FCCE10000000	47u/16	C126
FCCE10000000	47u/16	C127
FCCE10000000	47u/16	C128
FCCDK5027000	C27n	C129
FCCDK5027000	C27n	C130
FCCDK5027000	C27n	C131
FCCDK5027000	C27n	C132
FCCE10000000	47u/16	C133
FCCE10000000	47u/16	C134
FCCE10000000	47u/16	C135
FCCE10000000	47u/16	C136
FCCE10000000	47u/16	C137
FCCE10000000	47u/16	C138
FCCE10000000	47u/16	C139
FCCE10000000	47u/16	C140
FCXCD4100000	100n	C141
FCXCD4100000	100n	C142
FCXCD4100000	100n	C143
FCXCD4100000	100n	C144
FCCE10000000	47u/16	C145
FCCE10000000	47u/16	C146
FCCE10000000	47u/16	C147
FCCE10000000	47u/16	C148
FCXCD1150000	15p	C149
FCXCD1150000	15p	C150
FCXCD1150000	15p	C151
FCXCD1150000	15p	C152
FCCE10000000	47u/16	C153
FCCE10000000	47u/16	C154
FCCE10000000	47u/16	C155
FCCE10000000	47u/16	C156

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXCD4001000	1n	C157
FCCDK1022000	C22n	C158
FCXCD4001000	1n	C159
FCCDK1022000	C22n	C160
FCXCD4001000	1n	C161
FCCDK1022000	C22n	C162
FCXCD4001000	1n	C163
FCCDK1022000	C22n	C164
FCXCD4001000	1n	C165
FCCDK1022000	C22n	C166
FCCDK1022000	C22n	C167
FCXCD4001000	1n	C168
FCCDK1022000	C22n	C169
FCCDK1022000	C22n	C170
FCXCD4001000	1n	C171
FCCDK1022000	C22n	C172
FCCDK1022000	C22n	C173
FCXCD4001000	1n	C174
FCCDK1022000	C22n	C175
FCCDK1022000	C22n	C176
FCXCD4001000	1n	C177
FCCDK1022000	C22n	C178
FCXCD4001000	1n	C179
FCCDK1022000	C22n	C180
FCXCD4001000	1n	C181
FCCDK1022000	C22n	C182
FCXCD4001000	1n	C183
FCCDK1022000	C22n	C184
FCXCD4001000	1n	C185
FCXCD4001000	1n	C186
FCXCD4001000	1n	C187
FCXCD4001000	1n	C188
FCXCD4001000	1n	C189
FCXCD4001000	1n	C190
FCXCD4001000	1n	C191
FCXCD4001000	1n	C192
FCCE10000000	47u/16	C193
FCCE10000000	47u/16	C194
FCCE10000000	47u/16	C195
FCCE10000000	47u/16	C196
FCCE10000000	47u/16	C197
FCCE10000000	47u/16	C198
FCCE10000000	47u/16	C199
FCCE10000000	47u/16	C200
FCCE10000000	47u/16	C201
FCCE10000000	47u/16	C202
FCCE10000000	47u/16	C203
FCCE10000000	47u/16	C204
FCXCD4470000	470n	C205
FCXCD4470000	470n	C206
FCXCD4100000	100n	C207
FCXCD4100000	100n	C208
FCCE10000000	47u/16	C209
FCCE10000000	47u/16	C210
FCCE10000000	47u/16	C211
FCCE10000000	47u/16	C212

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXCD2330000	330p	C213
FCXCD2330000	330p	C214
FCXCD1100000	10p	C215
FCXCD1100000	10p	C216
FCXCD1100000	10p	C217
FCXCD1100000	10p	C218
FCCE10000000	47u/16	C219
FCCE10000000	47u/16	C220
FCCE10000000	47u/16	C221
FCCE10000000	47u/16	C222
FCCE10000000	47u/16	C223
FCCE10000000	47u/16	C224
FCCE10000000	47u/16	C225
FCCE10000000	47u/16	C226
FCCE25010000	10u/50	C227
FCXCD4100000	100n	C228
FCXCD2470000	470p	C229
FCXCD2470000	470p	C230
FCXCD2470000	470p	C231
FCXCD2470000	470p	C232
FCCE25010000	10u/50	C233
FCXCD4100000	100n	C234
FCXCD2100000	100p	C235
FCXCD2100000	100p	C236
FCXCD2100000	100p	C237
FCXCD2100000	100p	C238
FCCE10000000	47u/16	C239
FCCE10000000	47u/16	C240
FCCE10000000	47u/16	C241
FCCE10000000	47u/16	C242
FCXCD1330000	33p	C243
FCXCD1330000	33p	C244
FCXCD1330000	33p	C245
FCXCD1330000	33p	C246
FCCE10000000	47u/16	C247
FCCE10000000	47u/16	C248
FCCE03000000	470u/10	C249
FCCE03000000	470u/10	C250
FCCE03000000	470u/10	C251
FCCE03000000	470u/10	C252
FCXCD1330000	33p	C253
FCXCD1330000	33p	C254
FCCE10000000	47u/16	C255
FCCE10000000	47u/16	C256
FCXCD2100000	100p	C257
FCXCD2100000	100p	C258
FCXCD2100000	100p	C259
FCXCD2100000	100p	C260
FCXCD2100000	100p	C261
FCXCD2100000	100p	C262
FCXCD2100000	100p	C263
FCXCD2100000	100p	C264
FCCE25047000	47u/50	C265
FCCE25047000	47u/50	C266
FCCE10000000	47u/16	C267
FCCE10000000	47u/16	C268

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXCD1330000	33p	C269
FCXCD1330000	33p	C270
FCCE05000000	220u/10	C271
FCCE05000000	220u/10	C272
FCCE05000000	220u/10	C273
FCCE05000000	220u/10	C274
FCXCD4100000	100n	C275
FCXCD4100000	100n	C276
FCCE10000000	47u/16	C277
FCCE10000000	47u/16	C278
FCXCD4100000	100n	C279
FCXCD4100000	100n	C280
FCCE05000000	220u/10	C281
FCCE05000000	220u/10	C282
FCCE05000000	220u/10	C283
FCCE05000000	220u/10	C284
FCXCD4100000	100n	C285
FCXCD4100000	100n	C286
FCCE10000000	47u/16	C291
FCCE10000000	47u/16	C292
FCCE10000000	47u/16	C293
FCCE10000000	47u/16	C294
FCXCD1220000	22p	C295
FCXCD1220000	22p	C296
FCCE10000000	47u/16	C297
FCCE10000000	47u/16	C298
FCCE10000000	47u/16	C299
FCCE10000000	47u/16	C300
FCCE10000000	47u/16	C301
FCCE10000000	47u/16	C302
FCCE10000000	47u/16	C303
FCCE10000000	47u/16	C304
FCCE10000000	47u/16	C305
FCCE10000000	47u/16	C306
FCXCD4100000	100n	C308
FCXCD4100000	100n	C309
FCCE10000000	47u/16	C310
FCCE25047000	47u/50	C311
FCCE25047000	47u/50	C312
FCXCD1680000	68p	C313
FCXCD1680000	68p	C314
FCCE10000000	47u/16	C315
FCCE10000000	47u/16	C316
FCCE10000000	47u/16	C317
FCCE10000000	47u/16	C318
FCXCD1150000	15p	C319
FCXCD1150000	15p	C320
FCCDK1033000	C33n	C321
FCCDK1033000	C33n	C322
FCCDK1002200	C2n2	C323
FCCDK1002200	C2n2	C324
FCCDK1033000	C33n	C325
FCCDK1033000	C33n	C326
FCXCD1220000	22p	C327
FCXCD1220000	22p	C328
FCCE10000000	47u/16	C329

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCCE10000000	47u/16	C330
FCCE10000000	47u/16	C331
FCCE10000000	47u/16	C332
FCCE15100000	100u/25	C341
FCCE25047000	47u/50	C342
FCCE25047000	47u/50	C343
FCXCD4100000	100n	C344
FCXCD4100000	100n	C345
FCCE15100000	100u/25	C346
FCXCD4470000	470n	C347
FCCE25010000	10u/50	C348
FCCE25010000	10u/50	C349
FCCE25010000	10u/50	C350
FCXCD4470000	470n	C351
FCCE25047000	47u/50	C352
FCCE25047000	47u/50	C353
FCXCD4100000	100n	C354
FCXCD4100000	100n	C355
FCCE20022000	22u/35	C356
FCCE20022000	22u/35	C357
FCXCD4100000	100n	C358
FCXCD4100000	100n	C359
FCXCD4100000	100n	C360
FCXCD4100000	100n	C361
FCCE20022000	22u/35	C362
FCXCD4100000	100n	C363
FCXCD4100000	100n	C364
FCCE03000000	470u/10	C365
FCXCD4100000	100n	C366
FCXCD4100000	100n	C367
FCCE03000000	470u/10	C368
FCCE20022000	22u/35	C369
FCXCD4100000	100n	C370
FCXCD4100000	100n	C371
FCXCD4010000	10n	C372
FCXCD4010000	10n	C373
FCXCD4100000	100n	C374
FCXCD4100000	100n	C375
FCXCD4100000	100n	C378
FCXCD4100000	100n	C379
FCXCD4100000	100n	C380
FCXCD4100000	100n	C381
FCXCD4100000	100n	C382
FCXCD4100000	100n	C383
FCCI01012000	Printed Board 11.1012	CI101
FCLEDSMD2000	TLMH3100	D101
FCLEDSMD2000	TLMH3100	D102
FCLEDSMD2000	TLMH3100	D103
FCLEDSMD2000	TLMH3100	D104
FCLEDSMD2000	TLMH3100	D105
FCLEDSMD2000	TLMH3100	D106
FCXDDBAS2800	BAS28	D107
FCXDDBAS2800	BAS28	D108
FCXDDBAS2800	BAS28	D109
FCXDDBAS2800	BAS28	D110
FCXDDBAS2800	BAS28	D111

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXDDBAS2800	BAS28	D112
FCXDDBAS2800	BAS28	D113
FCXDDBAS2800	BAS28	D114
FCLEDSMD2500	TLMY3100	D115
FCLEDSMD2500	TLMY3100	D116
FCLEDRVE0000	LED3G-R	D118
FCLEDSMD2500	TLMY3100	D121
FCLEDSMD3000	TLMG3100	D122
FCLEDSMD3000	TLMG3100	D123
FCLEDSMD3000	TLMG3100	D124
FCLEDSMD3000	TLMG3100	D125
FCLEDSMD3000	TLMG3100	D126
FCLEDSMD3000	TLMG3100	D127
FCLEDSMD3000	TLMG3100	D128
FCLEDSMD3000	TLMG3100	D129
FCLEDSMD3000	TLMG3100	D130
FCLEDSMD3000	TLMG3100	D131
FCLEDSMD3000	TLMG3100	D132
FCLEDSMD3000	TLMG3100	D133
FCLEDSMD3000	TLMG3100	D134
FCLEDSMD3000	TLMG3100	D135
FCLEDSMD3000	TLMG3100	D136
FCXDDSB14000	SB140	D137
FCLEDSMD3000	TLMG3100	D138
FCLEDSMD3000	TLMG3100	D139
FCLEDSMD3000	TLMG3100	D140
FCLEDSMD3000	TLMG3100	D141
FCLEDSMD3000	TLMG3100	D142
FCLEDSMD3000	TLMG3100	D143
FCLEDSMD2500	TLMY3100	D144
FCLEDSMD2500	TLMY3100	D145
FCLEDSMD2500	TLMY3100	D146
FCLEDSMD2000	TLMH3100	D147
FCLEDSMD2000	TLMH3100	D148
FCLEDSMD2000	TLMH3100	D149
FCLEDSMD2000	TLMH3100	D150
FCLEDSMD2000	TLMH3100	D151
FCLEDSMD2000	TLMH3100	D152
FCLEDSMD2000	TLMH3100	D153
FCLEDSMD2000	TLMH3100	D154
FCLEDSMD2000	TLMH3100	D155
FCLEDSMD2000	TLMH3100	D156
FCLEDSMD2000	TLMH3100	D157
FCLEDSMD2000	TLMH3100	D158
FCIC07201000	TL072	IC101
FCIC07201000	TL072	IC102
FCIC07201000	TL072	IC103
FCIC4580E000	NJM4580E	IC104
FCIC07201000	TL072	IC105
FCIC4580E000	NJM4580E	IC106
FCIC07401000	TL074	IC107
FCIC07401000	TL074	IC108
FCIC07401000	TL074	IC109
FCIC07401000	TL074	IC110
FCIC07401000	TL074	IC111
FCIC07401000	TL074	IC112

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCIC55321000	NE5532D	IC113
FCIC55321000	NE5532D	IC114
FCIC07401000	TL074	IC115
FCIC07401000	TL074	IC116
FCIC21641000	SSM2164S	IC117
FCIC07201000	TL072	IC118
FCIC07201000	TL072	IC119
FCIC4580E000	NJM4580E	IC120
FCIC07201000	TL072	IC121
FCIC07201000	TL072	IC122
FCIC07201000	TL072	IC123
FCIC55321000	NE5532D	IC124
FCIC55321000	NE5532D	IC125
FCIC07201000	TL072	IC126
FCIC07201000	TL072	IC127
FCIC07201000	TL072	IC130
FCIC4580E000	NJM4580E	IC131
FCIC07201000	TL072	IC132
FCIC07201000	TL072	IC133
FCIC4580E000	NJM4580E	IC137
FCIC07401000	TL074	IC138
FCIC07201000	TL072	IC139
FCIC25941000	LM2594	IC140
FCIC68200000	BA6820F	IC141
FCIC68200000	BA6820F	IC142
FCBASR060000	YKB21-3035	J101
FRBASR060100	YKB21-3035	J102
FCBASR060000	YKB21-3035	J103
FCBASR060000	YKB21-3035	J104
FRBASR060100	YKB21-3035	J105
FCBASR060000	YKB21-3035	J106
FCCTM0008000	B8B-EH-A	J107
FCCTM0008000	B8B-EH-A	J108
FCCTM0005000	B5B-EH-A	J109
FCTERM050000	Bent Jumper Pin	J110
FCTERM050000	Bent Jumper Pin	J111
FCTERM050000	Bent Jumper Pin	J112
FCTERM050000	Bent Jumper Pin	J113
FCCTM0008000	B8B-EH-A	J114
FCBASR060000	YKB21-3035	J116
FCCTM0003000	B3B-EH-A	J117
FCTERM050000	Bent Jumper Pin	J118
FCTERM050000	Bent Jumper Pin	J119
FCTERM050000	Bent Jumper Pin	J120
FCTERM050000	Bent Jumper Pin	J121
FCBASX100000	YKF52-5003	J122
FCBASX100000	YKF52-5003	J123
FCBASR060000	YKB21-3035	J124
FCCTM0003000	B3B-EH-A	J125
FCBASJ020000	YKB21-5009	J126
FCBASR060000	YKB21-3035	J127
FCBASJ020000	YKB21-5009	J128
FCCTM1003000	S3B-EH	J129
FCCTM0004000	B4B-EH-A	J130
FCCTM0003000	B3B-EH-A	J131
FCCTM1003000	S3B-EH	J132

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCCTM1003000	S3B-EH	J133
FCBASR060000	YKB21-3035	J134
FCBASR060000	YKB21-3035	J135
FCCHK0010000	10uH	L101
FCCHK0010000	10uH	L102
FCIND0040000	220uH	L103
FCXTT0857000	BC857B	Q101
FCXTT0857000	BC857B	Q102
FCXTT0857000	BC857B	Q103
FCXTT0857000	BC857B	Q104
FCXTT0857000	BC857B	Q105
FCXTT0857000	BC857B	Q106
FCXR55100000	100k	R101
FCXR55100000	100k	R102
FCXR55100000	100k	R103
FCXR55100000	100k	R104
FCXR55100000	100k	R105
FCXR55100000	100k	R106
FCXR55100000	100k	R107
FCXR55100000	100k	R108
FCXR55100000	100k	R109
FCXR55100000	100k	R110
FCXR54100000	10k0	R111
FCXR54100000	10k0	R112
FCXR54100000	10k0	R113
FCXR54100000	10k0	R114
FCXR55100000	100k	R115
FCXR55100000	100k	R116
FCXR55100000	100k	R117
FCXR55100000	100k	R118
FCXR55100000	100k	R119
FCXR55100000	100k	R120
FCXR55100000	100k	R121
FCXR55100000	100k	R122
FCXR55100000	100k	R123
FCXR55100000	100k	R124
FCXR55100000	100k	R125
FCXR55100000	100k	R126
FCXR55100000	100k	R127
FCXR54215000	21k5	R128
FCXR54215000	21k5	R129
FCXR54215000	21k5	R130
FCXR54215000	21k5	R131
FCXR52100000	100.0	R134
FCXR52100000	100.0	R135
FCXR55100000	100k	R138
FCXR52100000	100.0	R139
FCXR52100000	100.0	R140
FCXR53825000	8k25	R141
FCXR53825000	8k25	R142
FCXR53825000	8k25	R143
FCXR53825000	8k25	R144
FCXR55100000	100k	R147
FCXR55100000	100k	R148
FCXR55100000	100k	R151
FCXR55100000	100k	R152

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXR55100000	100k	R153
FCXR55100000	100k	R154
FCXR55100000	100k	R155
FCXR55100000	100k	R156
FCXR55100000	100k	R157
FCXR55100000	100k	R158
FCXR55100000	100k	R159
FCXR55100000	100k	R160
FCXR55100000	100k	R161
FCXR55100000	100k	R162
FCXR55100000	100k	R163
FCXR55100000	100k	R164
FCXR55100000	100k	R165
FCXR55100000	100k	R166
FCXR55100000	100k	R167
FCXR55100000	100k	R168
FCXR54100000	10k0	R169
FCXR55464000	464k	R170
FCXR54100000	10k0	R171
FCXR55464000	464k	R172
FCXR54100000	10k0	R173
FCXR55464000	464k	R174
FCXR54100000	10k0	R175
FCXR55464000	464k	R176
FCPR21703100	50kBx2cc	R177
FCPR21703100	50kBx2cc	R178
FCXR54100000	10k0	R179
FCXR55464000	464k	R180
FCXR54100000	10k0	R181
FCXR55464000	464k	R182
FCXR54100000	10k0	R183
FCXR55464000	464k	R184
FCXR54100000	10k0	R185
FCXR55464000	464k	R186
FCXR55100000	100k	R187
FCXR55100000	100k	R188
FCXR55100000	100k	R189
FCXR55100000	100k	R190
FCXR54348000	34k8	R191
FCXR54348000	34k8	R192
FCXR54348000	34k8	R193
FCXR54348000	34k8	R194
FCXR54162000	16k2	R195
FCXR54162000	16k2	R196
FCXR54162000	16k2	R197
FCXR54162000	16k2	R198
FCXR54348000	34k8	R199
FCXR54348000	34k8	R200
FCXR54348000	34k8	R201
FCXR54348000	34k8	R202
FCXR54348000	34k8	R203
FCXR54348000	34k8	R204
FCXR54348000	34k8	R205
FCXR54348000	34k8	R206
FCXR54348000	34k8	R207
FCXR54348000	34k8	R208

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXR54348000	34k8	R209
FCXR54348000	34k8	R210
FCXR54348000	34k8	R211
FCXR54348000	34k8	R212
FCXR54348000	34k8	R213
FCXR54348000	34k8	R214
FCXR54237000	23k7	R215
FCXR54237000	23k7	R216
FCXR54237000	23k7	R217
FCXR54237000	23k7	R218
FCXR54237000	23k7	R219
FCXR54237000	23k7	R220
FCXR54237000	23k7	R221
FCXR54237000	23k7	R222
FCPR21703100	50kBx2cc	R223
FCPR21703100	50kBx2cc	R224
FCPR21703100	50kBx2cc	R225
FCPR21703100	50kBx2cc	R226
FCPR21703100	50kBx2cc	R227
FCPR21703100	50kBx2cc	R228
FCXR53383000	3k83	R229
FCXR53383000	3k83	R230
FCXR53383000	3k83	R231
FCXR53383000	3k83	R232
FCXR53383000	3k83	R233
FCXR53383000	3k83	R234
FCXR53383000	3k83	R235
FCXR53383000	3k83	R236
FCXR52562000	562	R237
FCXR55100000	100k	R238
FCXR52562000	562	R239
FCXR55100000	100k	R240
FCXR55100000	100k	R241
FCXR55100000	100k	R242
FCXR52562000	562	R243
FCXR54178000	17k8	R244
FCXR54178000	17k8	R245
FCXR52562000	562	R246
FCXR54178000	17k8	R247
FCXR54178000	17k8	R248
FCXR52562000	562	R249
FCXR54178000	17k8	R250
FCXR54178000	17k8	R251
FCXR52562000	562	R252
FCXR54178000	17k8	R253
FCXR54178000	17k8	R254
FCXR54681000	68k1	R255
FCXR54215000	21k5	R256
FCXR54681000	68k1	R257
FCXR54215000	21k5	R258
FCXR54681000	68k1	R259
FCXR54215000	21k5	R260
FCXR54681000	68k1	R261
FCXR54215000	21k5	R262
FCXR54681000	68k1	R263
FCXR54681000	68k1	R264

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXR54681000	68k1	R265
FCXR54681000	68k1	R266
FCXR53100000	1k0	R267
FCXR53100000	1k0	R268
FCXR53100000	1k0	R269
FCXR53100000	1k0	R270
FCXR54681000	68k1	R271
FCXR54681000	68k1	R272
FCXR54464000	46k4	R273
FCXR54237000	23k7	R274
FCXR54681000	68k1	R275
FCXR54681000	68k1	R276
FCXR54464000	46k4	R277
FCXR54237000	23k7	R278
FCXR54464000	46k4	R279
FCXR54464000	46k4	R280
FCXR54681000	68k1	R281
FCXR54681000	68k1	R282
FCXR54681000	68k1	R283
FCXR54681000	68k1	R284
FCXR53100000	1k0	R285
FCXR53100000	1k0	R286
FCXR53100000	1k0	R287
FCXR53100000	1k0	R288
FCXR55100000	100k	R289
FCXR55100000	100k	R290
FCXR55100000	100k	R291
FCXR55100000	100k	R292
FCXR55100000	100k	R293
FCXR55100000	100k	R294
FCXR55100000	100k	R295
FCXR55100000	100k	R296
FCXR54237000	23k7	R297
FCXR54237000	23k7	R298
FCXR54237000	23k7	R299
FCXR54237000	23k7	R300
FCXR52562000	562	R301
FCXR52562000	562	R302
FCXR52562000	562	R303
FCXR52562000	562	R304
FCXR54100000	10k0	R305
FCXR52562000	562	R306
FCXR54215000	21k5	R307
FCXR54215000	21k5	R308
FCXR52562000	562	R309
FCXR54215000	21k5	R310
FCXR54215000	21k5	R311
FCXR54237000	23k7	R312
FCXR54237000	23k7	R313
FCXR54237000	23k7	R314
FCXR54237000	23k7	R315
FCXR55100000	100k	R316
FCXR55100000	100k	R317
FCXR55100000	100k	R318
FCXR55100000	100k	R319
FCXR54215000	21k5	R320

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXR54215000	21k5	R321
FCXR54215000	21k5	R322
FCXR54215000	21k5	R323
FCXR54215000	21k5	R324
FCXR54215000	21k5	R325
FCXR54215000	21k5	R326
FCXR54215000	21k5	R327
FCXR55100000	100k	R328
FCXR55100000	100k	R329
FCPR21005100	10kAx2	R330
FCPR21005100	10kAx2	R331
FCXR55100000	100k	R332
FCXR55100000	100k	R333
FCPR20203100	5kBx2cc	R334
FCXR53100000	1k0	R335
FCXR53100000	1k0	R336
FCXR53287000	2k87	R337
FCXR53287000	2k87	R338
FCXR55100000	100k	R339
FCXR55100000	100k	R340
FCXR54215000	21k5	R341
FCXR54215000	21k5	R342
FCXR54215000	21k5	R343
FCXR54215000	21k5	R344
FCXR54100000	10k0	R345
FCXR54100000	10k0	R346
FCXR54100000	10k0	R347
FCXR54100000	10k0	R348
FCXR54100000	10k0	R349
FCXR54100000	10k0	R350
FCXR54100000	10k0	R351
FCXR54100000	10k0	R352
FCXR55100000	100k	R353
FCXR55100000	100k	R354
FCXR54215000	21k5	R355
FCXR54215000	21k5	R356
FCXR55100000	100k	R357
FCXR54100000	10k0	R358
FCXR54100000	10k0	R359
FCXR54100000	10k0	R360
FCXR54100000	10k0	R361
FCXR54100000	10k0	R362
FCXR54100000	10k0	R363
FCXR54100000	10k0	R364
FCXR54100000	10k0	R365
FCXR55100000	100k	R366
FCXR54215000	21k5	R370
FCXR54215000	21k5	R371
FCXR51750000	75.0	R372
FCXR51750000	75.0	R373
FCXR51750000	75.0	R374
FCXR51750000	75.0	R375
FCXR53100000	1k0	R378
FCRJC5100000	10k	R379
FCXR53100000	1k0	R380
FCXR53100000	1k0	R381

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCRJC5100000	10k	R382
FCXR53100000	1k0	R383
FCXR51750000	75.0	R384
FCXR51750000	75.0	R385
FCXR55100000	100k	R388
FCXR55100000	100k	R389
FCXR55100000	100k	R390
FCXR55100000	100k	R391
FCXR55100000	100k	R392
FCXR55100000	100k	R393
FCXR55100000	100k	R403
FCXR55100000	100k	R404
FCXR55100000	100k	R405
FCXR55100000	100k	R406
FCXR55100000	100k	R408
FCXR55100000	100k	R409
FCXR53121000	1k21	R410
FCXR53121000	1k21	R411
FCXR54215000	21k5	R412
FCXR54215000	21k5	R413
FCXR55237000	237k	R414
FCXR54215000	21k5	R415
FCXR54215000	21k5	R416
FCXR54215000	21k5	R417
FCXR54215000	21k5	R418
FCXR54383000	38k3	R419
FRPOTD450100	100kB	R420
FCXR54215000	21k5	R421
FCXR54215000	21k5	R422
FCXR54383000	38k3	R423
FCXR54215000	21k5	R424
FCXR54215000	21k5	R425
FCXR54215000	21k5	R426
FCXR54215000	21k5	R427
FCXR53316000	3k16	R429
FCXR55100000	100k	R430
FCXR55100000	100k	R431
FCXR55100000	100k	R432
FCXR55100000	100k	R433
FCXR55100000	100k	R434
FCXR55100000	100k	R435
FCXR55100000	100k	R436
FCXR55100000	100k	R437
FCXR55100000	100k	R438
FCXR55100000	100k	R439
FCXR54316000	31k6	R441
FCPR21005100	10kAx2	R444
FCPR21005100	10kAx2	R445
FCXR54215000	21k5	R446
FCXR54215000	21k5	R447
FCXR55100000	100k	R448
FCXR54215000	21k5	R452
FCXR54215000	21k5	R453
FCXR54215000	21k5	R456
FCXR54215000	21k5	R457
FCXR55100000	100k	R458

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

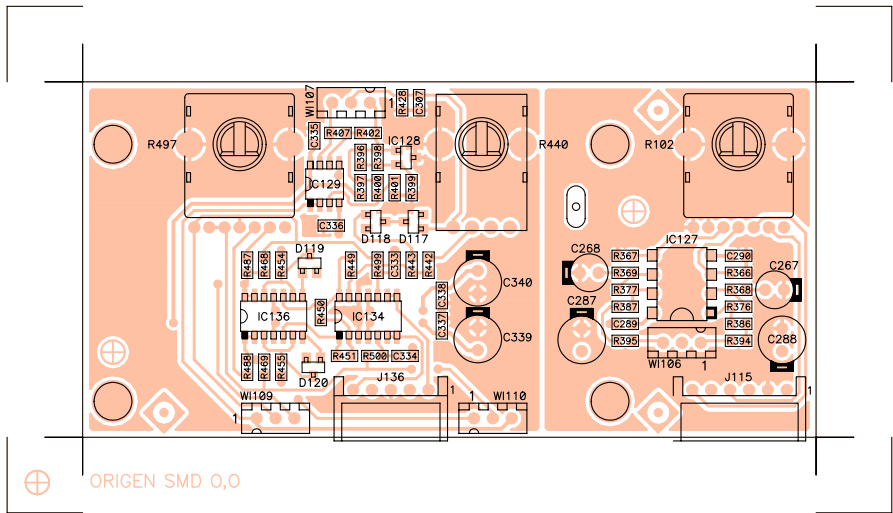
Code	Description	Reference
FCXR55100000	100k	R459
FCXR54215000	21k5	R460
FCXR54215000	21k5	R461
FCXR53511000	5k11	R462
FCXR55464000	464k	R463
FCXR53511000	5k11	R464
FCXR55464000	464k	R465
FCXR55100000	100k	R466
FCXR55100000	100k	R467
FCPR21703100	50kBx2cc	R470
FCXR53511000	5k11	R471
FCXR55464000	464k	R472
FCXR53511000	5k11	R473
FCXR55464000	464k	R474
FCXR54100000	10k0	R475
FCXR54100000	10k0	R476
FCXR53681000	6k81	R477
FCXR53681000	6k81	R478
FRPOTD450100	100kB	R479
FRPOTD450100	100kB	R480
FCXR54215000	21k5	R481
FCXR54215000	21k5	R482
FCPR21703100	50kBx2cc	R483
FCXR54147000	14k7	R484
FCPR21703100	50kBx2cc	R485
FCXR54147000	14k7	R486
FCXR54215000	21k5	R489
FCXR54215000	21k5	R490
FCXR53681000	6k81	R491
FCXR53681000	6k81	R492
FCXR54100000	10k0	R493
FCXR54100000	10k0	R494
FCXR55100000	100k	R495
FCXR55100000	100k	R496
FCXR53100000	1k0	R498
FCXR53100000	1k0	R501
FCXR54100000	10k0	R502
FCXR52562000	562	R503
FCPR21005100	10kAx2	R504
FCXR54100000	10k0	R505
FCXR54215000	21k5	R506
FCXR54215000	21k5	R507
FCXR54215000	21k5	R508
FCXR54215000	21k5	R509
FCXR52147000	147	R510
FCXR52147000	147	R511
FCRF22100000	NF10/ 1/2	R512
FCXR55100000	100k	R513
FCXR52147000	147	R514
FCXR52147000	147	R515
FCRJC5100000	10k	R516
FCRJC5100000	10k	R517
FCXR54383000	38k3	R518
FCXR53100000	1k0	R519
FCXR54383000	38k3	R520
FCXR53100000	1k0	R521

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCXR54215000	21k5	R522
FCXR54215000	21k5	R523
FCXR52147000	147	R524
FCXR52147000	147	R525
FCXR53100000	1k0	R526
FCXR52147000	147	R527
FCXR52147000	147	R528
FCRJC5100000	10k	R529
FCXR54215000	21k5	R530
FCXR54215000	21k5	R531
FCXR52147000	147	R532
FCXR52147000	147	R533
FCXR52147000	147	R534
FCXR52147000	147	R535
FCXR53215000	2k15	R536
FCXR53215000	2k15	R537
FCXR53215000	2k15	R538
FCXR53215000	2k15	R539
FCXR53215000	2k15	R540
FCXR53215000	2k15	R541
FCXR54215000	21k5	R542
FCXR54215000	21k5	R543
FCXR54215000	21k5	R544
FCXR54215000	21k5	R545
FCXR52464000	464	R546
FCXR54215000	21k5	R547
FCXR54215000	21k5	R548
FCXR54215000	21k5	R549
FCXR54215000	21k5	R550
FCINTAP07900	LS001-A23BA	S101
FCINTAP07900	LS001-A23BA	S102
FCINTAP01500	17.010/CE	S103
FCINTAP01500	17.010/CE	S104
FCINTAP01500	17.010/CE	S105
FCINTAP01500	17.010/CE	S106
FCINTAP01500	17.010/CE	S107
FCINTAP01500	17.010/CE	S108
FCINTAP07700	LS001-A42BAK	S109
FCINTAP07700	LS001-A42BAK	S110
FCINTAP01500	17.010/CE	S111
FCINTAP01500	17.010/CE	S112
FCINTAP15000	TS40T-TS5	S113
FCINTAP15000	TS40T-TS5	S114
FCINTAP07700	LS001-A42BAK	S115
FCINTAP01500	17.010/CE	S116
FCSEPCIO2000	Spacer M3x13	SP104
FCSEPCIO2000	Spacer M3x13	SP106
FCSEPCIO2000	Spacer M3x13	SP107
FCSEPCIO2000	Spacer M3x13	SP108
FCSEPCIO2000	Spacer M3x13	SP109
FCSEPCIO2000	Spacer M3x13	SP110
FCSEPCIO2000	Spacer M3x13	SP111
FCSEPCIO2000	Spacer M3x13	SP112
FCSEPCIO2000	Spacer M3x13	SP113
FCSEPCIO2000	Spacer M3x13	SP115
FCSEPCIO2000	Spacer M3x13	SP116

PARTS LIST: PRINTED CIRCUIT 11.1012.03.00

Code	Description	Reference
FCSEPCI02000	Spacer M3x13	SP117
FCSEPCI02000	Spacer M3x13	SP118
FCSEPCI02000	Spacer M3x13	SP119
FCSEPCI02000	Spacer M3x13	SP120
FC4N04915000	1049.01.50	WI101
FC4N04915000	1049.01.50	WI102
FC4K00715000	1007.01.50	WI103
FC4N04915000	1049.01.50	WI104
FC4L00820000	1008.02.00	WI105
FC4J00615000	1006.01.50	WI108
FC4K00720000	1007.02.00	WI111
FC0C01220000	1012.02.00	WI112
FC0C01220000	1012.02.00	WI113
FC4I00515000	1005.01.50	WI114
FC4I00515000	1005.01.50	WI115



<div>ECLEREE</div> <div>LABORATORIO DE ELECTRO-ACUSTICA S.A.</div>		related to: circuit no: 11.1010-02.00 schema no: 10.0690-01.00 insertion file no: 81.0096-01.00		side: Component
				view: Reference
number: 33.0912		version: 01.00	project n: M09-04	Front Ct.
drawn by: M. Amoros		date: 040908	product n: Nuo2	
			approved: J.M.Mas	

PARTS LIST: PRINTED CIRCUIT 11.1010.02.00

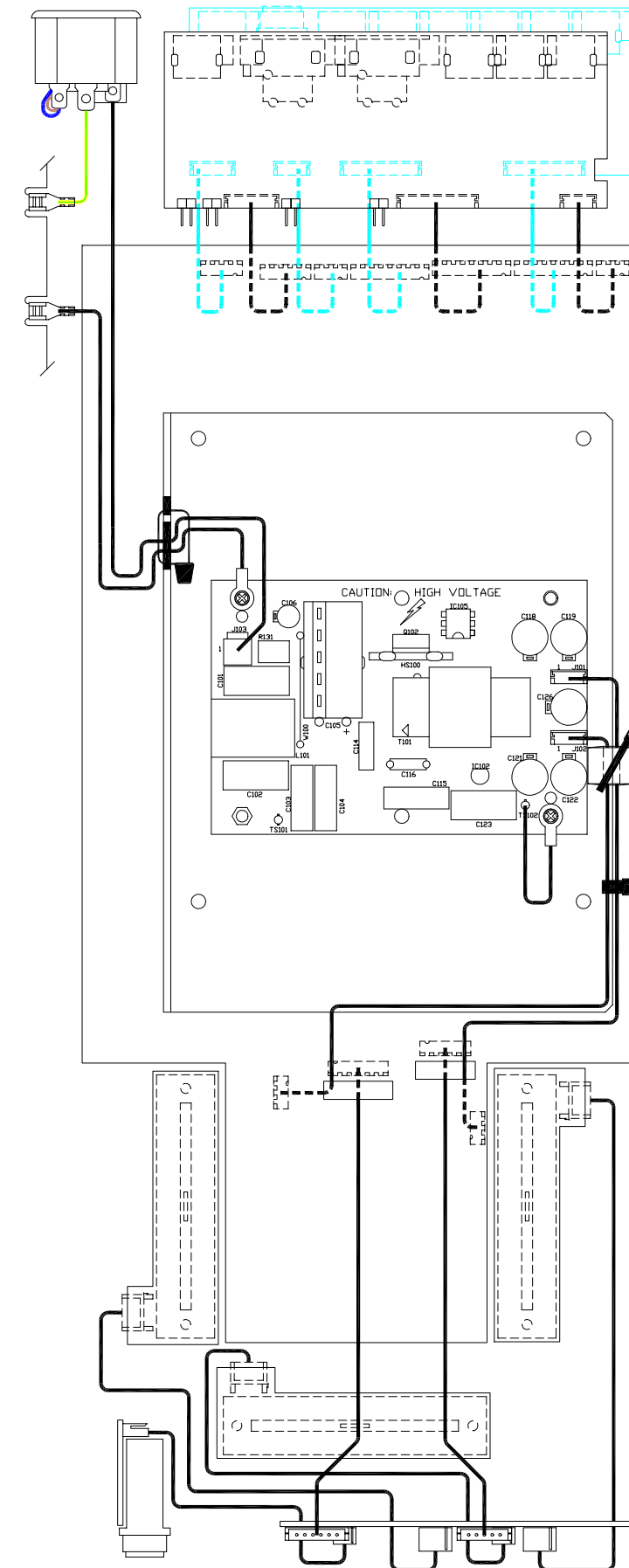
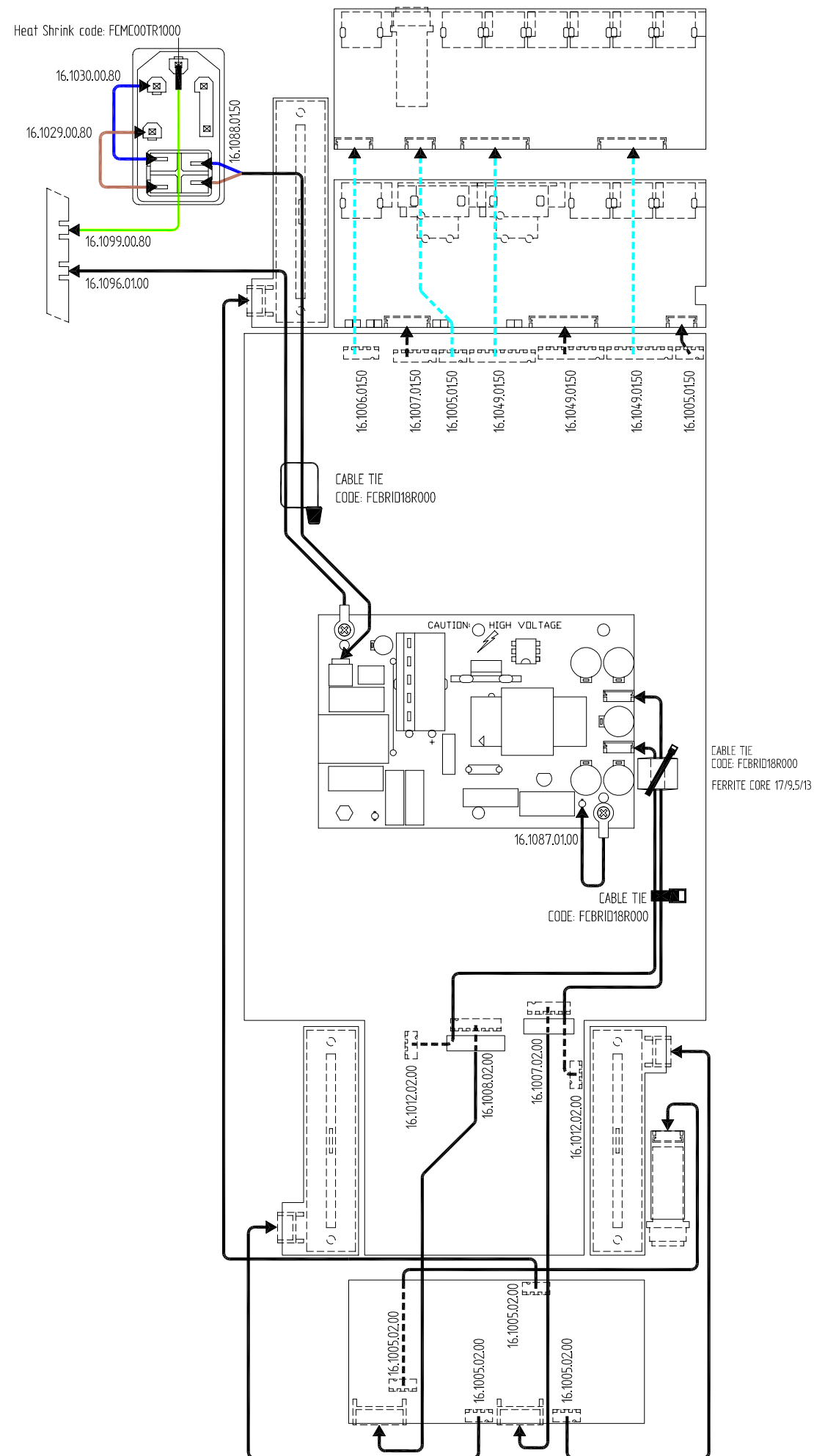
Code	Description	Reference
FCCE10000000	47u/16	C267
FCCE10000000	47u/16	C268
FCCE25047000	47u/50	C287
FCCE25047000	47u/50	C288
FCXCD4100000	100n	C289
FCXCD4100000	100n	C290
FCXCD4100000	100n	C307
FCXCD4100000	100n	C333
FCXCD4100000	100n	C334
FCXCD4100000	100n	C335
FCXCD4100000	100n	C336
FCXCD4100000	100n	C337
FCXCD4100000	100n	C338
FCCE25047000	47u/50	C339
FCCE25047000	47u/50	C340
FCCI01010000	Printed Board 11.1010	CI101
FCXZ00007500	Z7.5V	D117
FCXZ00007500	Z7.5V	D118
FCXDDBAS1600	BAS16	D119
FCXDDBAS1600	BAS16	D120
FCIC45560000	NJM4556D	IC127
FCIC43101000	LM431AC	IC128
FCIC07201000	TL072	IC129
FCIC07401000	TL074	IC134
FCIC07401000	TL074	IC136
FCCTM1006000	S6B-EH	J115
FCCTM1005000	S5B-EH	J136
FCPR21005100	10kAx2	R102
FCXR55100000	100k	R366
FCXR55100000	100k	R367
FCXR53261000	2k61	R368
FCXR53261000	2k61	R369
FCXR54215000	21k5	R376
FCXR54215000	21k5	R377
FCXR51750000	75.0	R386
FCXR51750000	75.0	R387
FCXR51750000	75.0	R394
FCXR51750000	75.0	R395
FCXR54215000	21k5	R396
FCXR52562000	562	R397
FCXR54316000	31k6	R398
FCXR53422000	4k22	R399
FCXR54511000	51k1	R400
FCXR54237000	23k7	R401
FCXR54100000	10k0	R402
FCXR54100000	10k0	R407
FCXR53147000	1k47	R428
FCPR12005000	500kD	R440
FCXR53422000	4k22	R442
FCXR53121000	1k21	R443
FCXR53196000	1k96	R449
FCXR54100000	10k0	R450
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FCXR54100000	10k0	R454
FCXR54100000	10k0	R455
FCXR54100000	10k0	R468

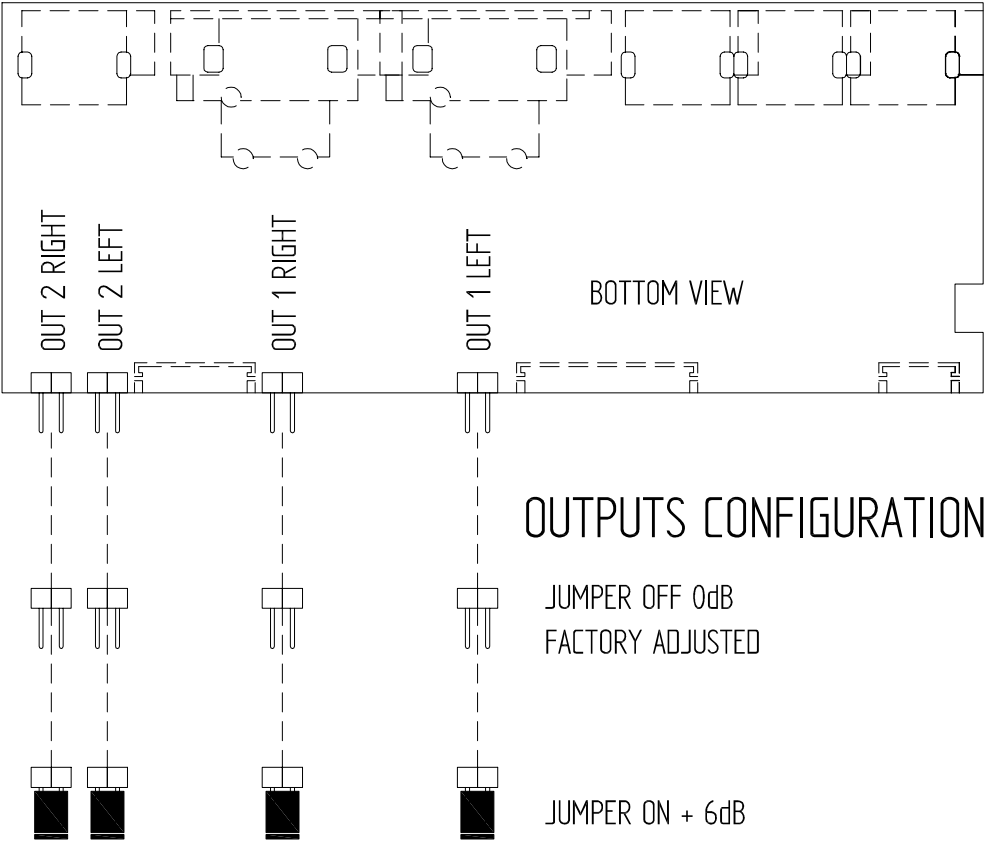
PARTS LIST: PRINTED CIRCUIT 11.1010.02.00

Code	Description	Reference
FCXR54100000	10k0	R469
FCXR52464000	464	R487
FCXR52464000	464	R488
FCPR21703100	50kBx2cc	R497
FCXR54464000	46k4	R499
FCXR54464000	46k4	R500
FCSEPCI01000	Spacer M3x16	SP100
FCSEPCI01000	Spacer M3x16	SP101
FCSEPCI01000	Spacer M3x16	SP102
FCSEPCI01000	Spacer M3x16	SP103
FC4I00520000	1005.02.00	WI106
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FC4I00520000	1005.02.00	WI109
FC4I00520000	1005.02.00	WI110

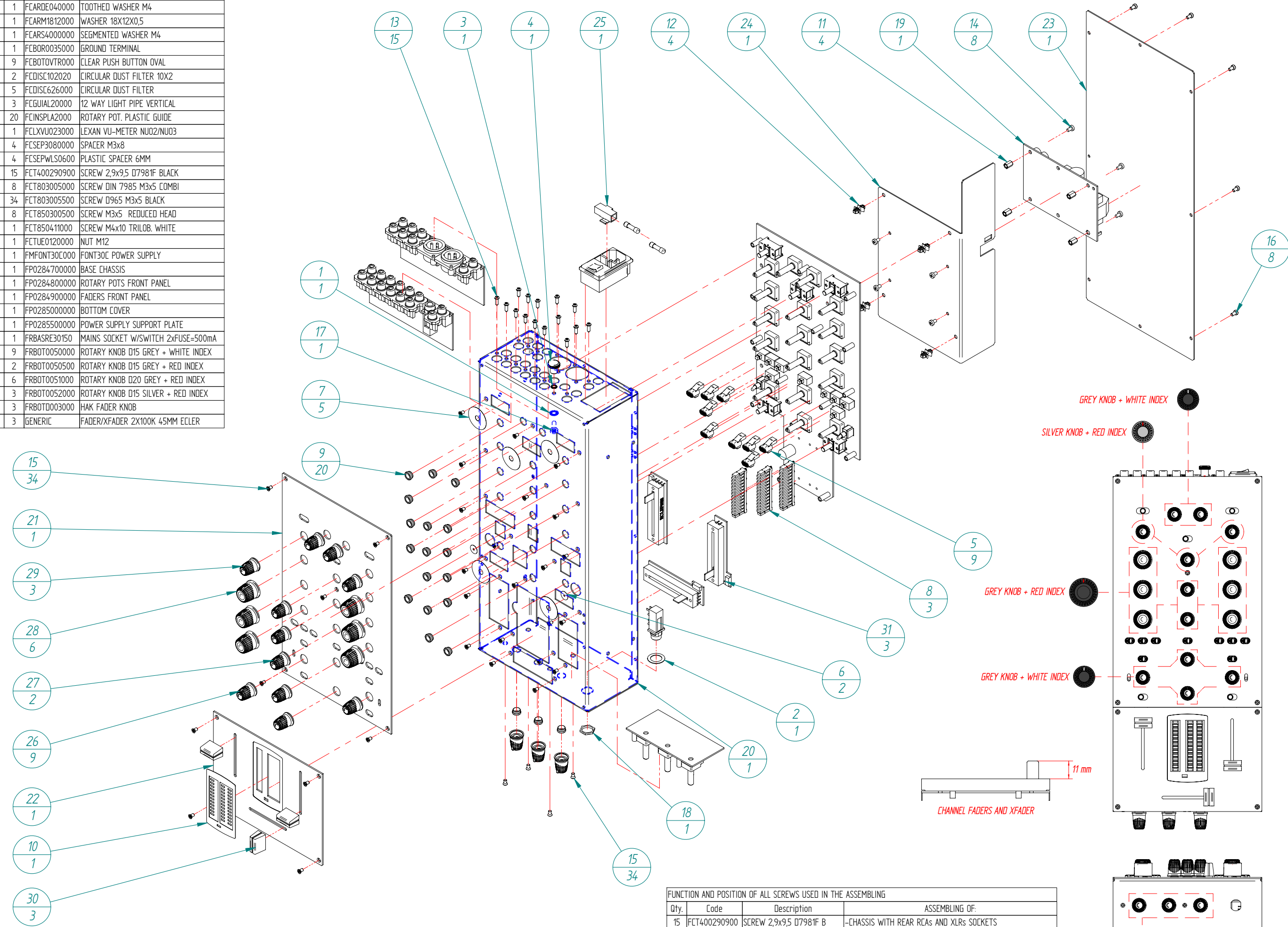
Inputs Sensitivity nom/Impedance	H-LINE L-LINE PHONO MICRO FX RETURN	0dBV/50kΩ -10dBV/50kΩ -40dBV/50kΩ -50dBV/> 1kΩ 0dBV/> 15kΩ
Outputs Level/Minimum Load	OUT 1 (BAL) OUT 2 REC HEADPHONES FX SEND	0dBV/600Ω 1V *(+ 6dB 2V) 0dBV/2.2kΩ 1V *(+ 6dB 2V) 0dBV/10kΩ 200mW/200 Ω THD 1 % 0dBV/10kΩ
Frequency Response	H-LINE & L-LINE MICRO PHONO	10Hz ÷ 30kHz -1dB 10Hz ÷ 35kHz -1dB RIAA ±0.5dB
THD + N	H-LINE & L-LINE MICRO PHONO	<0.07 % <0.1 % <0.15 %
CMRR	MICRO	> 70dB @ 1kHz
Signal Noise Ratio	H-LINE & L-LINE MICRO PHONO	> 95dB > 85dB > 90dB
Gain control	INPUT 1&2 INPUT 3	± 15dB ± 20dB
Tone control input 1&2	BASS MID TREBLE	+ 10 / -30dB + 10 / -25dB + 10 / -30dB
Tone control input 3	BASS TREBLE	± 15dB ± 15dB
Kill Filter, cut frequency at -6dB (slope 12dB/oct.)	LOW MID HIGH	200 Hz 200Hz ÷ 5,5kHz 5,5kHz
Mains Power consumption		90-264VAC 47-63Hz 30VA
Dimensions	Panel Depth	370x160mm 80mm
Weight		3,3 kg

(*) Internally selectable





Nº	Qty.	Code	Description
1	1	FCARDE040000	TOOTHED WASHER M4
2	1	FCARM1812000	WASHER 18X12X0,5
3	1	FCARS4000000	SEGMENTED WASHER M4
4	1	FCBOR0035000	GROUND TERMINAL
5	9	FCBOT0VTR000	CLEAR PUSH BUTTON OVAL
6	2	FCDISC102020	CIRCULAR DUST FILTER 10X2
7	5	FCDISC626000	CIRCULAR DUST FILTER
8	3	FCGU1AL20000	12 WAY LIGHT PIPE VERTICAL
9	20	FCINSPLA2000	ROTARY POT. PLASTIC GUIDE
10	1	FCLXVU023000	LEXAN VU-METER NU02/NU03
11	4	FCSEP3080000	SPACER M3x8
12	4	FCSEPWLS0600	PLASTIC SPACER 6MM
13	15	FCT400290900	SCREW 2,9x9,5 D7981F BLACK
14	8	FCT803005000	SCREW DIN 7985 M3x5 COMBI
15	34	FCT803005500	SCREW D965 M3x5 BLACK
16	8	FCT850300500	SCREW M3x5 REDUCED HEAD
17	1	FCT850411000	SCREW M4x10 TRILOB. WHITE
18	1	FCTUE0120000	NUT M12
19	1	FMFONT30C000	FONT30C POWER SUPPLY
20	1	FP0284700000	BASE CHASSIS
21	1	FP0284800000	ROTARY POTS FRONT PANEL
22	1	FP0284900000	FADERS FRONT PANEL
23	1	FP0285000000	BOTTOM COVER
24	1	FP0285500000	POWER SUPPLY SUPPORT PLATE
25	1	FRBASRE30150	MAINS SOCKET w/SWITCH 2xFUSE=500mA
26	9	FRBOT0050000	ROTARY KNOB D15 GREY + WHITE INDEX
27	2	FRBOT0050500	ROTARY KNOB D15 GREY + RED INDEX
28	6	FRBOT0051000	ROTARY KNOB D20 GREY + RED INDEX
29	3	FRBOT0052000	ROTARY KNOB D15 SILVER + RED INDEX
30	3	FRBOT0003000	HAK FADER KNOB
31	3	GENERIC	FADER/XFADER 2X100K 45MM ECLER



FUNCTION AND POSITION OF ALL SCREWS USED IN THE ASSEMBLING			
Qty.	Code	Description	ASSEMBLING OF:
15	FCT400290900	SCREW 2,9x9,5 D7981F B	-CHASSIS WITH REAR RCAs AND XLRs SOCKETS
8	FCT803005000	SCREW DIN 7985 M3x5 COMBI	-P.SUPPLY WITH SUPPORT PLATE.
34	FCT803005500	SCREW D965 M3x5 BLACK	-CHASSIS WITH MAIN BOARD AND TOP PANELS
8	FCT850300500	SCREW M3x5 REDUCED HEAD	-CHASSIS WITH BOTTOM COVER
1	FCT850411000	SCREW M4x10 TRILOB. WHITE	-GROUND TERMINAL



drawn: *Jordi Folch*
approved:

date: *050111*
title:

project: *M09-04*

product: *NU02*

MECHANICAL DIAGRAM

number: *30.0201* version *01.01*

Nº	Qty.	Code	Description
1	1	FCBOL0010000	BAG 60x80
2	1	FCBOL0020000	PLASTIC BAG 120x180
3	1	FCBOLS010000	STANDARD BAG 43x60
4	1	FCAJSTA2700	PACKING CARDBOARD BOX
5	2	FCCANT124000	INTERIOR REINFORCEMENT
6	1	FCCONX017500	MAINS CABLE 3x1
7	1	FCETI0951140	PRODUCT LABEL PACK (ONE FOR EACH UNIT)
8	1	FCETIECL1000	ECLER STICKER 300x50
9	1	FCFUNMAN0000	USER MANUAL BAG
10	1	FCMANNU02000	USER MANUAL NUO 2
11	4	FCPIE1125500	RUBBER FOOT
12	1	FCTARJG00000	WARRANTY CARD
13	1	FRBOLMINJ005	BAG WITH SET OF 5 MINIJUMPERS

