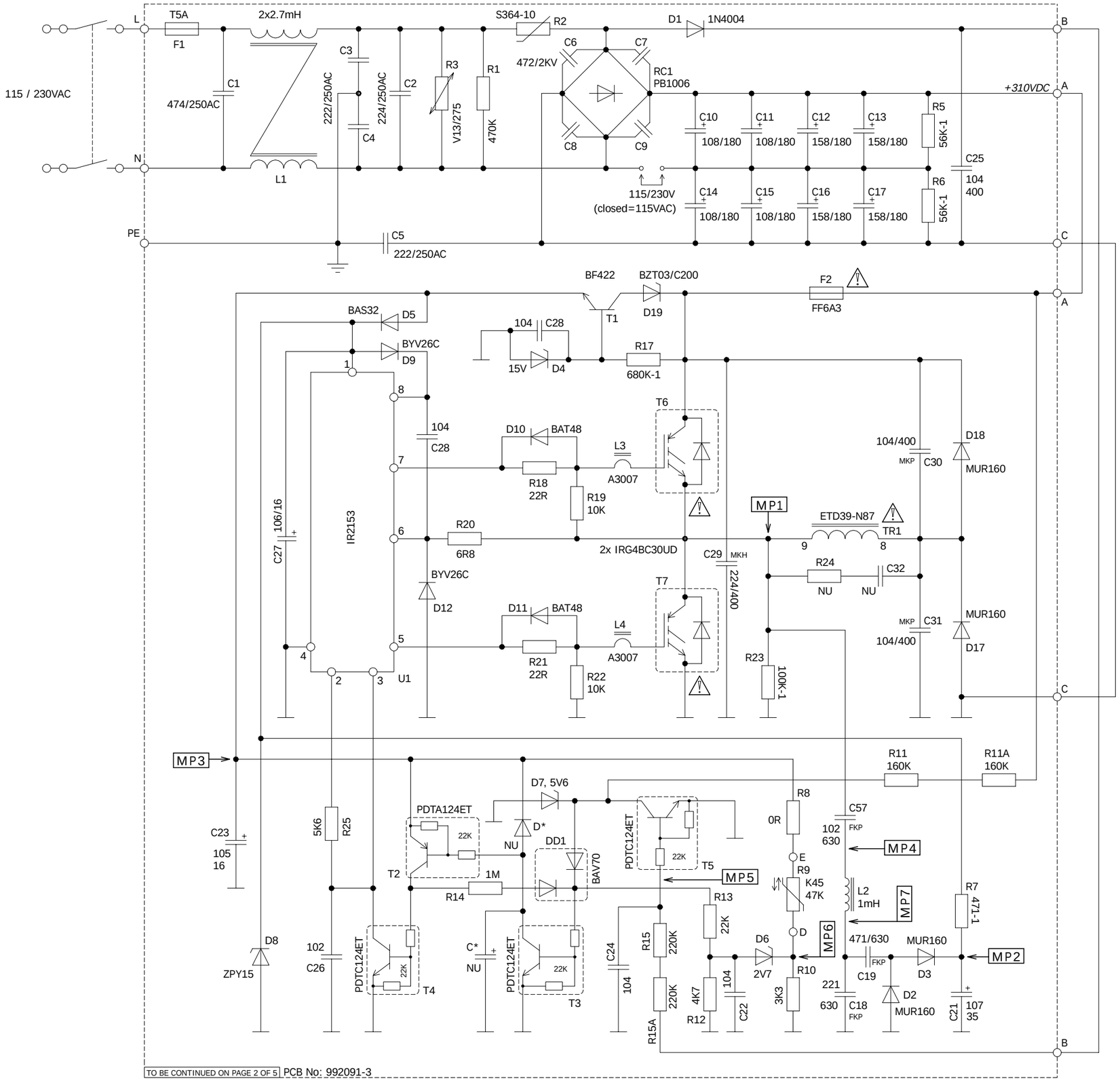
CS 8 / 12 – 600
Amplifier and Power Supply
Circuit - Diagram

PCB # 992091-3

Mueller Klaus, Pocking, Sept., 11., 2001.



MP1
Rectangular wave 320Vss/110KHZ, for 900W version, and with stranded wire wounded TR1.
Frequency trimming is possible with R25=5K6=110KHZ.

MP2
U1 supply voltage: min. 24.5VDC, and max.26VDC is necessary. Increasing C19, is increasing the VDC.

MP3
Start-up Voltage 14.4VDC, is bypassed after supply swing. Therefor MP2 Voltage must rise to 25VDC.

MP4
Rectangular wave with 320Vss. Resonance should be in the center of the shoulders, down to 40Vss.

MP5
After main switch "OFF", supply "Stop" command.
Supply run = 12VDC, Supply stop = 0V.

MP6
Supply over temperature protect voltage. 20°C=0.95VDC, over heated = 3.4VDC-Off (70°C) / 3.1VDC-ON again.

MP7
Sine wave signal, max. 400Vss.

Test conditions:
Main-In Voltage is 230VAC, no amplifier load,
main-in idle power for 900W-Version = 50W,
Ventilators or not connected, no aux. supply load,
all signals measured to supply ground !

New's:
C* and D* are for future version.

This circuit diagram are designed and drawn by SOLTON Music, Mueller K.

SOLTON MUSIC GmbH	Power Supply	PAGE: 01 OF 05
DRAWN BY: MUELLER K.	REV1:27.08.01	DATE: 19.02.99
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Amplifier right channel

basicly the same like Left-Channel,
add 100 to the Part reference numbers.

Power supp. parts starting at 01 - 99
Left channel parts starting at 101-199
Right channel parts starting at 201-299

PCB No: 992091-3, and 992022

SOLTON MUSIC GmbH		Power Amp.	PAGE: 02 OF 05
DRAWN BY: MUELLER K.	REV1:30.08.01	CS 8- / 12-600	DATE: 19.02.99
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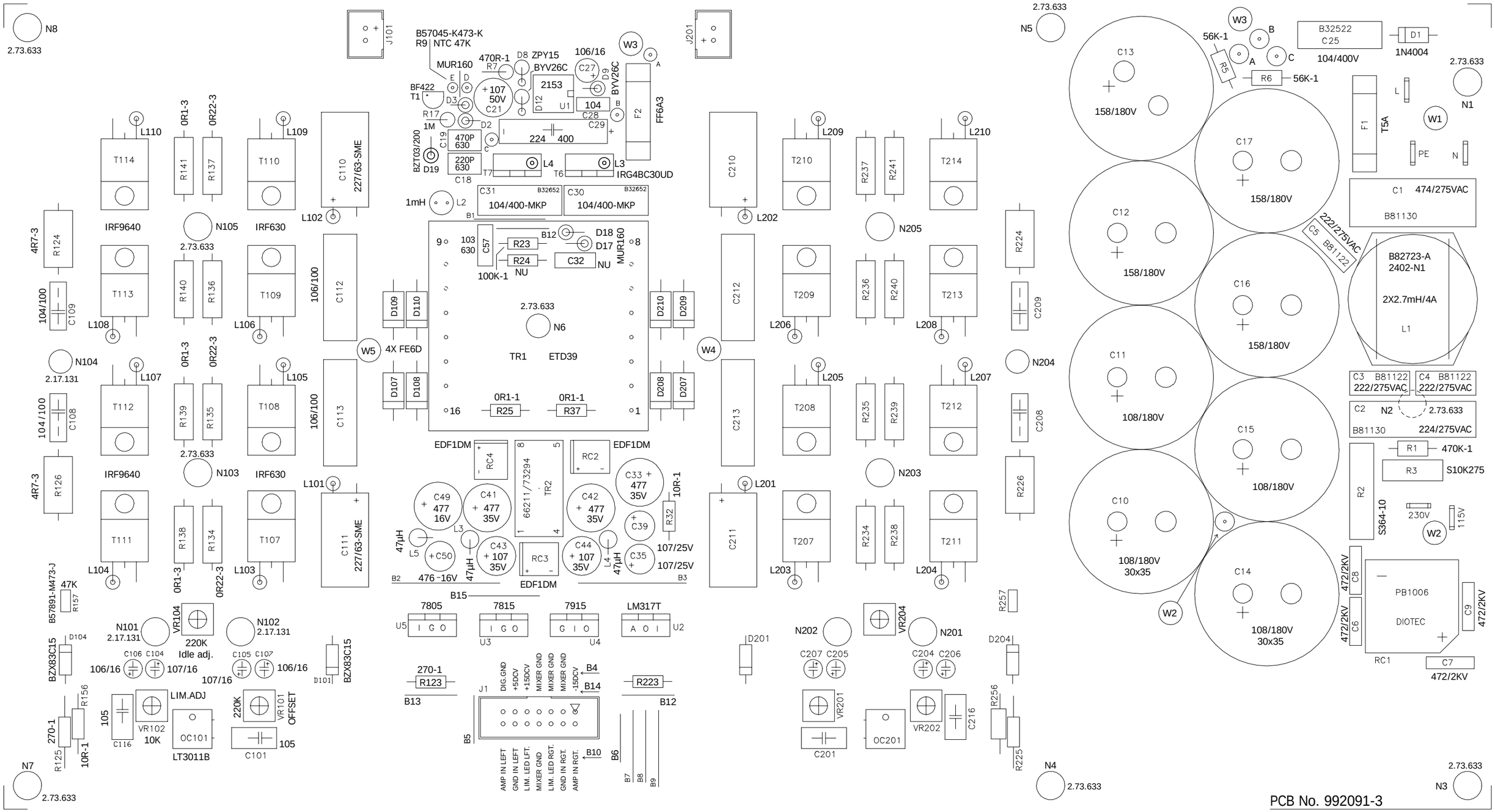

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SOLTON MUSIC GmbH	Pow. Supp. / Amp.		PAGE: 03 OF 05
DRAWN BY: MUELLER K.	REV1:03.09.01	CS 8 / 12-600	WIRED PARTS	DATE: 27.03.00
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TA124ET = P05
TC124ET = P06/P17
BC846B = 1B
BC856B = 3B
BAV70 = JJ/A4
BAV99 = JE/A7
BAW56 = JD/A1
BAV170 = JX
BAV199 = JY
BAW156 = JZ
MMBF4391 = 6J

160K R11A
160K R11
T5 TC124ET
C24 104
BZV55C5V6 D7
BAS32 D5
220K R15
220K R15A
BAV70 DD1
1M R14
R25 5K6
C26 102-5%
110KHZ +5%
T4 TC124ET
T2 TA124ET
T3 TC124ET
105 C23
BZV55C2V7 D6
22K R13
104 C22
3K3 R10
4K7 R12
R8 0R
C20 104
D4 BZV55C15

220R R230
220R R234
R134
R130
D10 BAT48
R18 22R
10K R19
R20 6R8
D11 BAT48
R21 22R
R22 10K

220R R233
220R R232
R229 220R
R228 220R
R129
R128
R133
R132

47K R245 BAW56
DD2
R145 47K

R244
NTC R242 R243
C621-22K 22K
(B57621-C223-J62)
R258 0R
R144
R143 R142
R158

R36 C40

RIGHT - CHANNEL

D15 LL4148

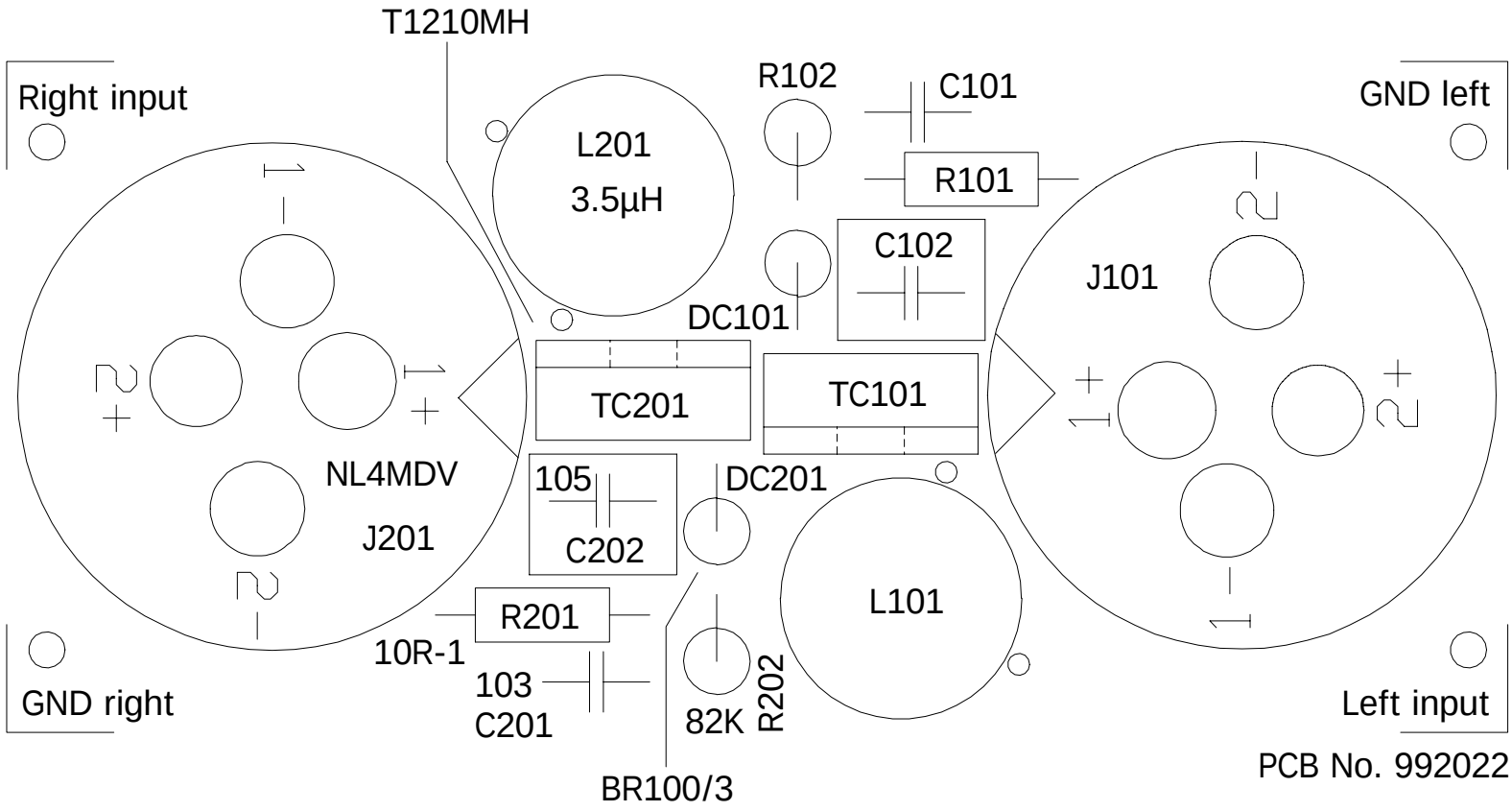
D13 BZV55C5V6

R31 47K
470K R35
T9 BC846B
R30 47K
4K7 R33
R29 1M
104 C38
T8 BC846B
47K R34
104 C36
R27
R26 30K
16K
R28 2K2
104 C34
C46 104
104 C48
C53 103
R38 100K
C54 224
100K R39
104 C45
R41
C51 104
470K
C47 104
T10 BC856B
C52 104
D14 LL4148
C56 104
C55 104
R40 1M

*SB2
*SB1
104 C217
C117 104
100K R255
T206
T106
R155 100K
BAV70 DD3
BC846B

R131
R127
R160
D111
D112
R163
T101
D102
D103
R119
R117
R118
R113
DD103
R116
R112
U101
R111
R110
R109
D105
D106
T102
R122
R121
R120
DD104
R115
R114
R162
T115
0R R159
C103
C102
C115
DD101
DD102
R147
R149
R146
R148
R150
R151
R106
R107
R108
R152
R101
R154
R103
R102
R105A
T104
R105
R164
T103
T105
R104
C114
R161
R153

220R R231
220R R227
47R R260
68K R263
D211 BZV55C7V5
D212
BC856B
T202
BZV55C15
D205
1K8 R222
D206
10K
DD204
BAV99
33K R220
R221
R214 4K3
47P
R215 10K
200V
39P
120K
68K R210
1K R212
OP176
U201
18K2 R211
R216 10K
C215
C203
R259 0R
BC846B
T201
D202
BZV55C15
D203
R219 1K8
R213 4K3
R218 10K
R217 33K
BAV99
DD203
330R R247
1K R246
0R R248
1K T205
R249
R250
47K R251
T203
BC846B
R204 3K3
220K
DD202
BAW 56
R252 100K
3K3 R264
R253 2K2
BC856B
T204
R205 4K7
BAV99
DD201
R208
C202 101
R207 150K
R206 22K
R261 0R
C214 104
T215
R262 10K
BF4391
R203
R202 22K
R254 4K7
4M7
R201 22K



SOLTON MUSIC GmbH		Speakon - Outlet		PAGE: 05 OF 05
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