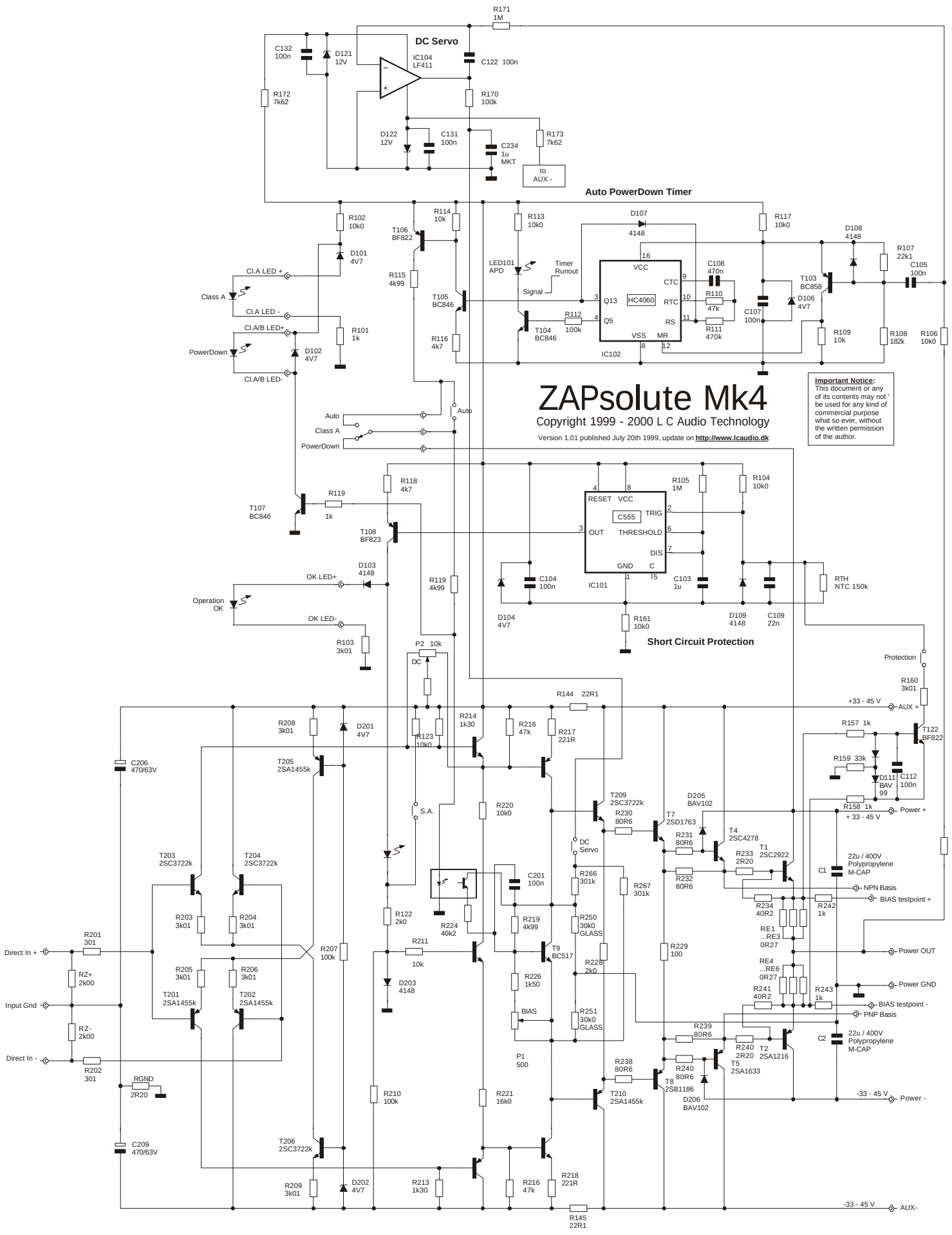
DC Servo
IC104
LF411
R171
1M
C132
100n
D121
12V
C122 100n
R172
7k62
R170
100k
D122
12V
C131
100n
C234
1u
MKT
R173
7k62
to
AUX -
Auto PowerDown Timer
R102
10k0
D101
4V7
R114
10k
T106
BF822
R113
10k0
D107
4148
R117
10k0
D108
4148
R107
22k1
C105
100n
Cl.A LED +
Class A
Cl.A LED -
Cl.A/B LED+
PowerDown
Cl.A/B LED-
R115
4k99
T105
BC846
LED101
APD
Timer
Runout
Signal
HC4060
VCC
CTC
RTC
RS
VSS
MR
Q13
Q5
C108
470n
R110
47k
R111
470k
R112
100k
T104
BC846
IC102
C107
100n
D106
4V7
T103
BC858
R101
1k
R116
4k7
D102
4V7
R109
10k
R108
182k
R106
10k0
ZAPsolute Mk4
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Auto
Class A
PowerDown
Auto
T107
BC846
R119
1k
R118
4k7
T108
BF823
RESET
VCC
C555
TRIG
OUT
THRESHOLD
DIS
GND
C
IC101
R105
1M
R104
10k0
D103
4148
OK LED+
Operation
OK
OK LED-
R119
4k99
C104
100n
C103
1u
RTH
NTC 150k
D104
4V7
R161
10k0
D109
4148
C109
22n
Short Circuit Protection
R103
3k01
P2 10k
DC
Protection
R160
3k01
R144 22R1
+33 - 45 V
AUX +
R208
3k01
D201
4V7
R123
10k0
R214
1k30
R216
47k
R217
221R
R157 1k
T122
BF822
R159 33k
C112
100n
D111
BAV
99
C206
470/63V
T205
2SA1455k
R220
10k0
T209
2SC3722k
R230
80R6
D205
BAV102
R158 1k
+ 33 - 45 V
Power +
S.A.
T7
2SD1763
R231
80R6
T4
2SC4278
T1
2SC2922
R233
2R20
DC
Servo
C1
22u / 400V
Polypropylene
M-CAP
T203
2SC3722k
T204
2SC3722k
C201
100n
R266
301k
R267
301k
R232
80R6
NPN Basis
BIAS testpoint +
R234
40R2
R242
1k
R203
3k01
R204
3k01
R122
2k0
R224
40k2
R219
4k99
R250
30k0
GLASS
RE1
...RE3
0R27
R201
301
R207
100k
R211
10k
T9
BC517
R229
100
Power OUT
Direct In +
RZ+
2k00
R205
3k01
R206
3k01
D203
4148
R226
1k50
R228
2k0
RE4
...RE6
0R27
Power GND
Input Gnd
T201
2SA1455k
T202
2SA1455k
BIAS
R251
30k0
GLASS
R241
40R2
R243
1k
BIAS testpoint -
PNP Basis
RZ-
2k00
R239
80R6
C2
22u / 400V
Polypropylene
M-CAP
Direct In -
R202
301
P1
500
R240
2R20
T2
2SA1216
T5
2SA1633
R238
80R6
R240
80R6
T8
2SB1186
RGND
2R20
R210
100k
R221
16k0
T210
2SA1455k
D206
BAV102
-33 - 45 V
Power -
C209
470/63V
T206
2SC3722k
R209
3k01
D202
4V7
R213
1k30
R216
47k
R218
221R
R145
22R1
-33 - 45 V
AUX-