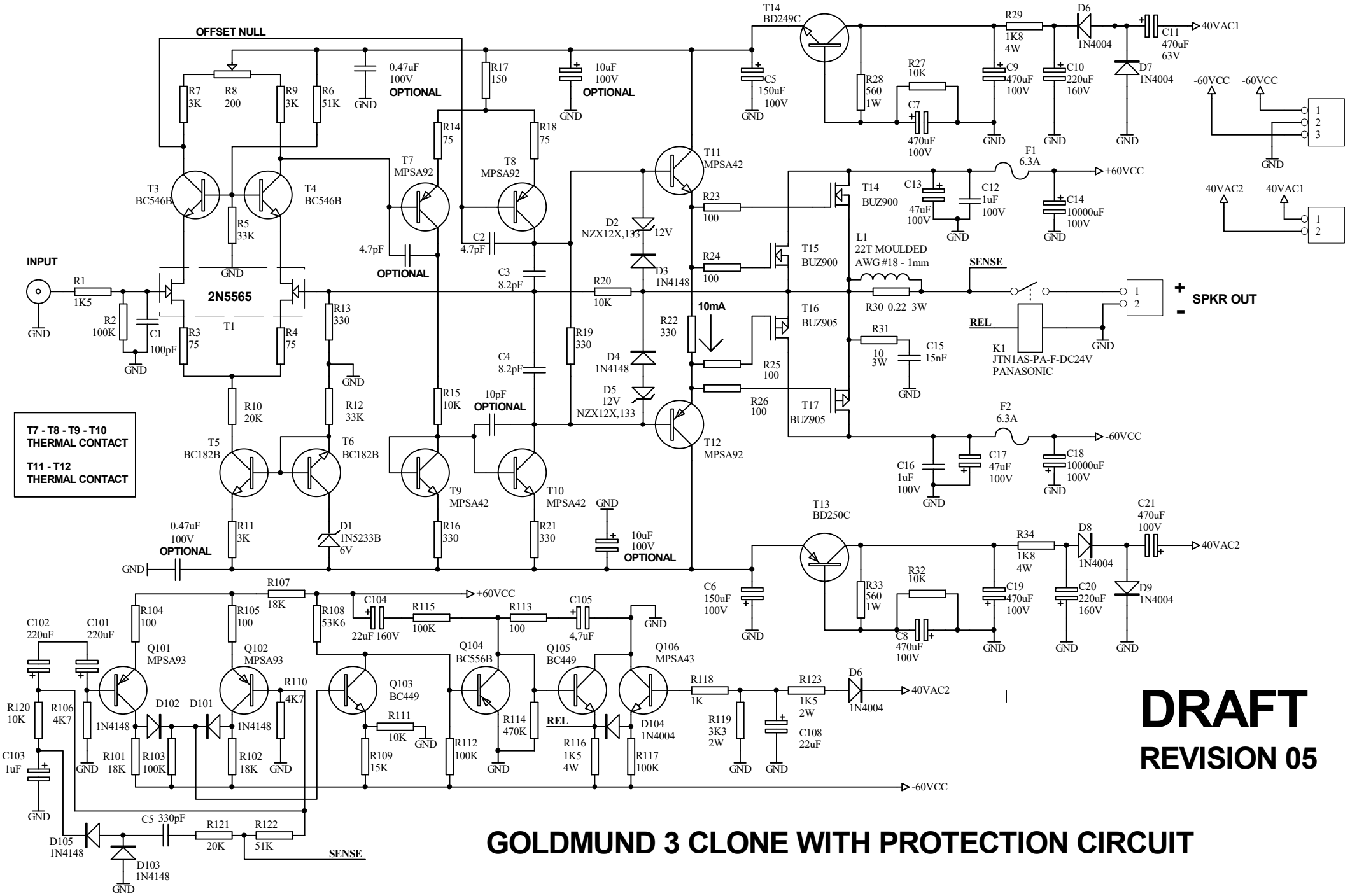
OFFSET NULL
INPUT
2N5565
T1
T3 BC546B
T4 BC546B
T5 BC182B
T6 BC182B
T7 MPSA92
T8 MPSA92
T9 MPSA42
T10 MPSA42
T11 MPSA42
T12 MPSA92
T13 BD250C
T14 BD249C
T14 BUZ900
T15 BUZ900
T16 BUZ905
T17 BUZ905
T7 - T8 - T9 - T10 THERMAL CONTACT
T11 - T12 THERMAL CONTACT
10mA
L1 22T MOULDED AWG #18 - 1mm
SENSE
REL
K1 JTN1AS-PA-F-DC24V PANASONIC
SPKR OUT
+60VCC
-60VCC
40VAC1
40VAC2
OPTIONAL
D1 1N5233B 6V
D2 NZX12X,133 12V
D3 1N4148
D4 1N4148
D5 12V NZX12X,133
D6 1N4004
D7 1N4004
D8 1N4004
D9 1N4004
D101 1N4148
D102 1N4148
D103 1N4148
D104 1N4004
D105 1N4148
GND
Q101 MPSA93
Q102 MPSA93
Q103 BC449
Q104 BC556B
Q105 BC449
Q106 MPSA43
F1 6.3A
F2 6.3A
R1 1K5
R2 100K
R3 75
R4 75
R5 33K
R6 51K
R7 3K
R8 200
R9 3K
R10 20K
R11 3K
R12 33K
R13 330
R14 75
R15 10K
R16 330
R17 150
R18 75
R19 330
R20 10K
R21 330
R22 330
R23 100
R24 100
R25 100
R26 100
R27 10K
R28 560 1W
R29 1K8 4W
R30 0.22 3W
R31 10 3W
R32 10K
R33 560 1W
R34 1K8 4W
R101 18K
R102 18K
R103 100K
R104 100
R105 100
R106 4K7
R107 18K
R108 53K6
R109 15K
R110 4K7
R111 10K
R112 100K
R113 100
R114 470K
R115 100K
R116 1K5 4W
R117 100K
R118 1K
R119 3K3 2W
R120 10K
R121 20K
R122 51K
R123 1K5 2W
C1 100pF
C2 4.7pF
C3 8.2pF
C4 8.2pF
C5 330pF
C5 150uF 100V
C6 150uF 100V
C7 470uF 100V
C8 470uF 100V
C9 470uF 100V
C10 220uF 160V
C11 470uF 63V
C12 1uF 100V
C13 47uF 100V
C14 10000uF 100V
C15 15nF
C16 1uF 100V
C17 47uF 100V
C18 10000uF 100V
C19 470uF 100V
C20 220uF 160V
C21 470uF 100V
C101 220uF
C102 220uF
C103 1uF
C104 22uF 160V
C105 4,7uF
C108 22uF
0.47uF 100V OPTIONAL
10uF 100V OPTIONAL
4.7pF OPTIONAL
10pF OPTIONAL
DRAFT
REVISION 05
GOLDMUND 3 CLONE WITH PROTECTION CIRCUIT