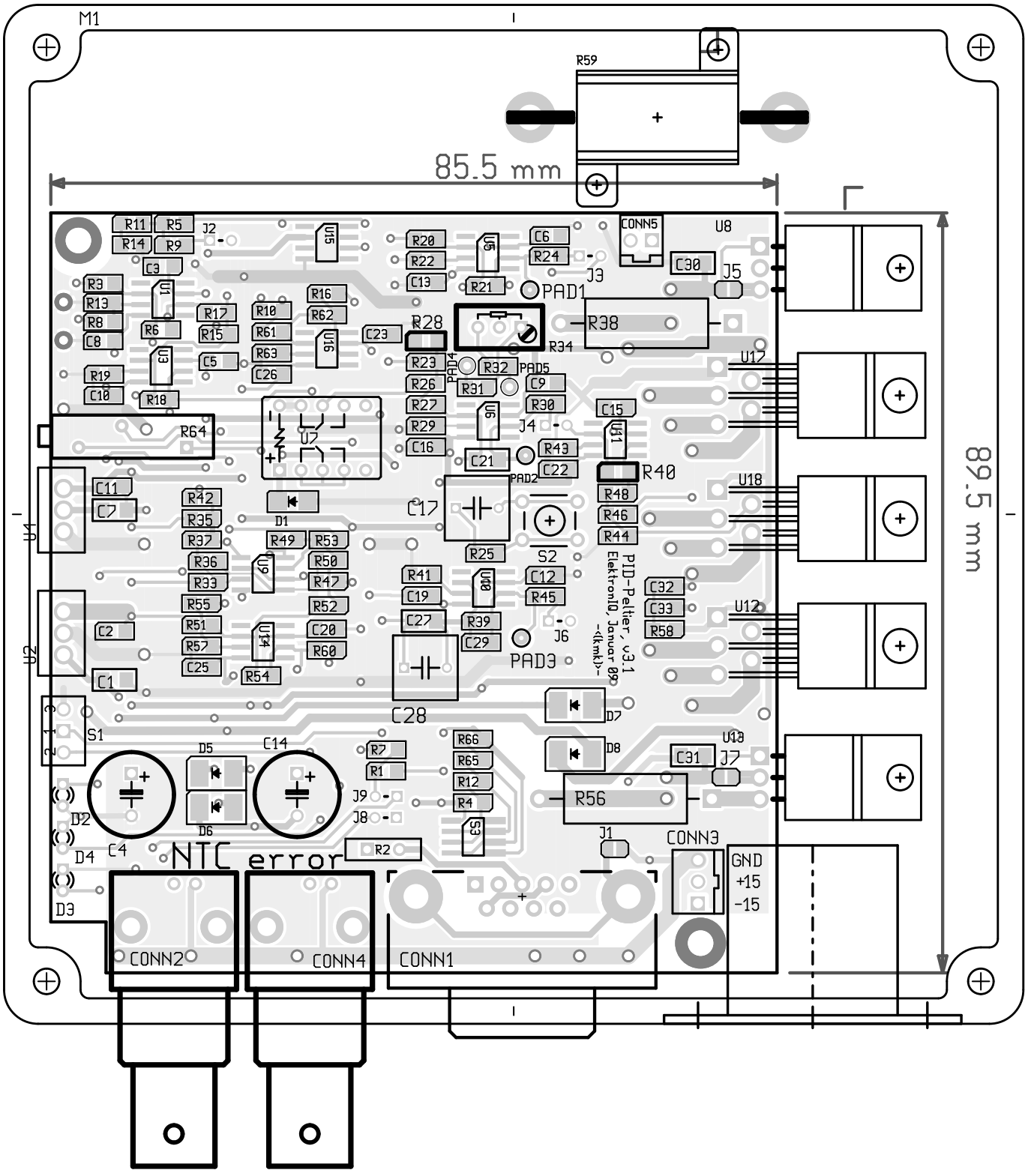
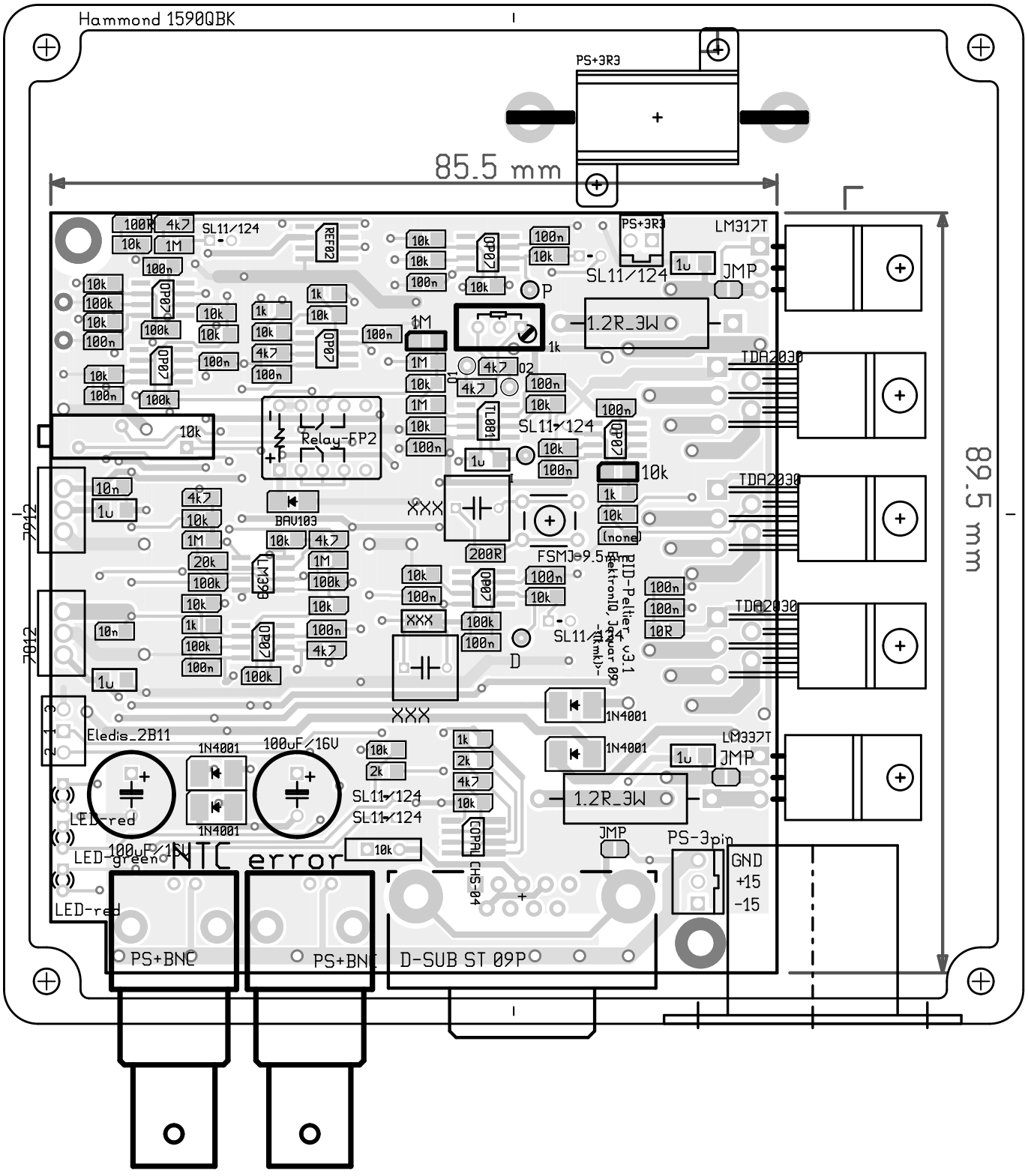

M1
R59
85.5 mm
89.5 mm
R11
R5
R14
R9
J2
U15
R20
R22
C13
U5
C6
R24
CONN5
U8
C30
J5
J3
PAD1
R21
R3
R13
R8
C8
U1
R6
R17
R15
R10
R61
R63
R16
R62
U16
C23
R28
R34
R38
U3
C5
C26
R19
C10
R18
R23
R26
R27
R29
C16
PAD4
R32
PAD5
R31
C9
R30
U6
J4
C15
U11
U17
R64
U7
C21
R43
C22
PAD2
R40
U18
C11
C7
R42
R35
R37
D1
C17
R48
R46
R44
U1
R49
R53
R36
R33
U9
R50
R47
R25
S2
R41
C19
U10
C12
R45
PID-Peltier, v3.1
ElektronIQ, Januar 09
-<kmk>-
C32
C33
R58
U12
R55
R51
R57
C25
R52
C20
R60
C27
R39
C29
J6
PAD3
U2
C2
C1
U14
R54
C28
D7
S1
D5
C14
R7
R1
R66
R65
R12
R4
D8
U13
C31
J7
R56
D2
D6
J9
J8
S3
J1
CONN3
D4
C4
NTC error
R2
GND
+15
-15
D3
CONN2
CONN4
CONN1

Grid (1 , 1)

85.5 mm
85.5 mm
C34
C18
C24


Hammond 1590QBK
PS+3R3
85.5 mm
89.5 mm
LM317T
JMP
SL11/124
1.2R_3W
TDA2030
Relay-FP2
BAV103
FSMJ-9.5mm
PID-Peltier v3.1
Elektron IQ, Januar 09
Eledis_2B11
1N4001
100uF/16V
LED-red
LED-green
NTC error
LM337T
PS-3pin
GND
+15
-15
PS+BNC
D-SUB ST 09P
7912
7812

Grid (1 , 1)

85.5 mm
85.5 mm