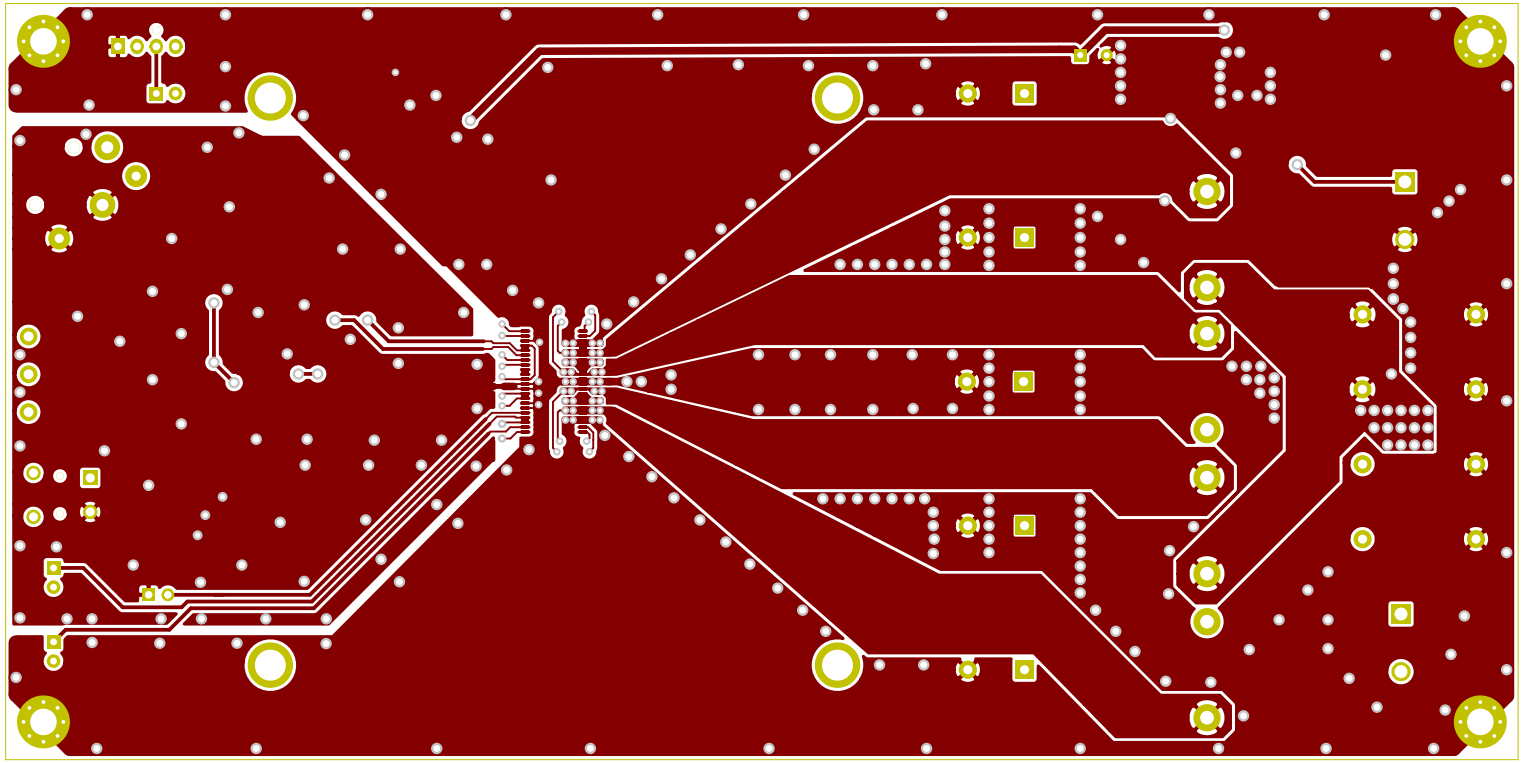
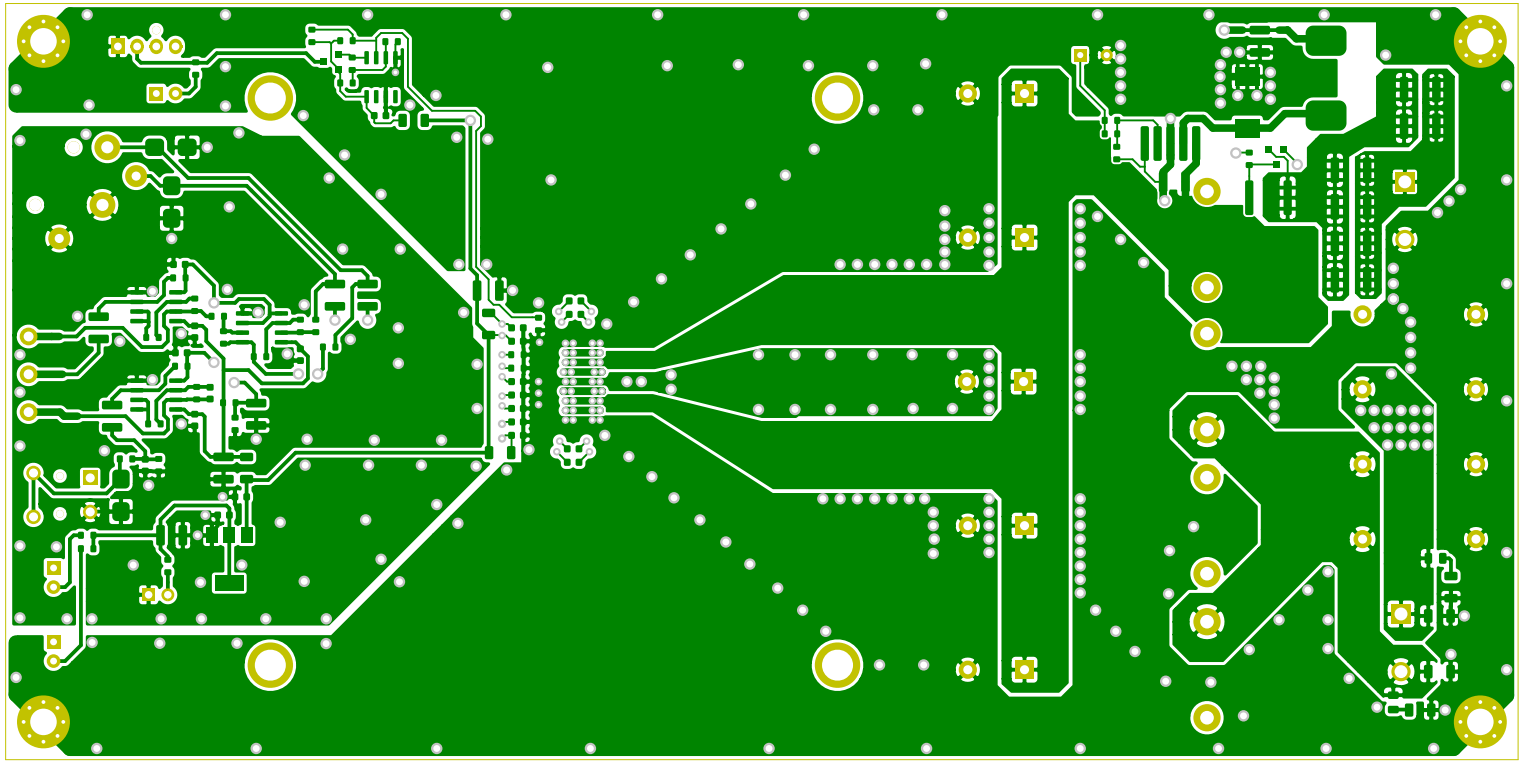
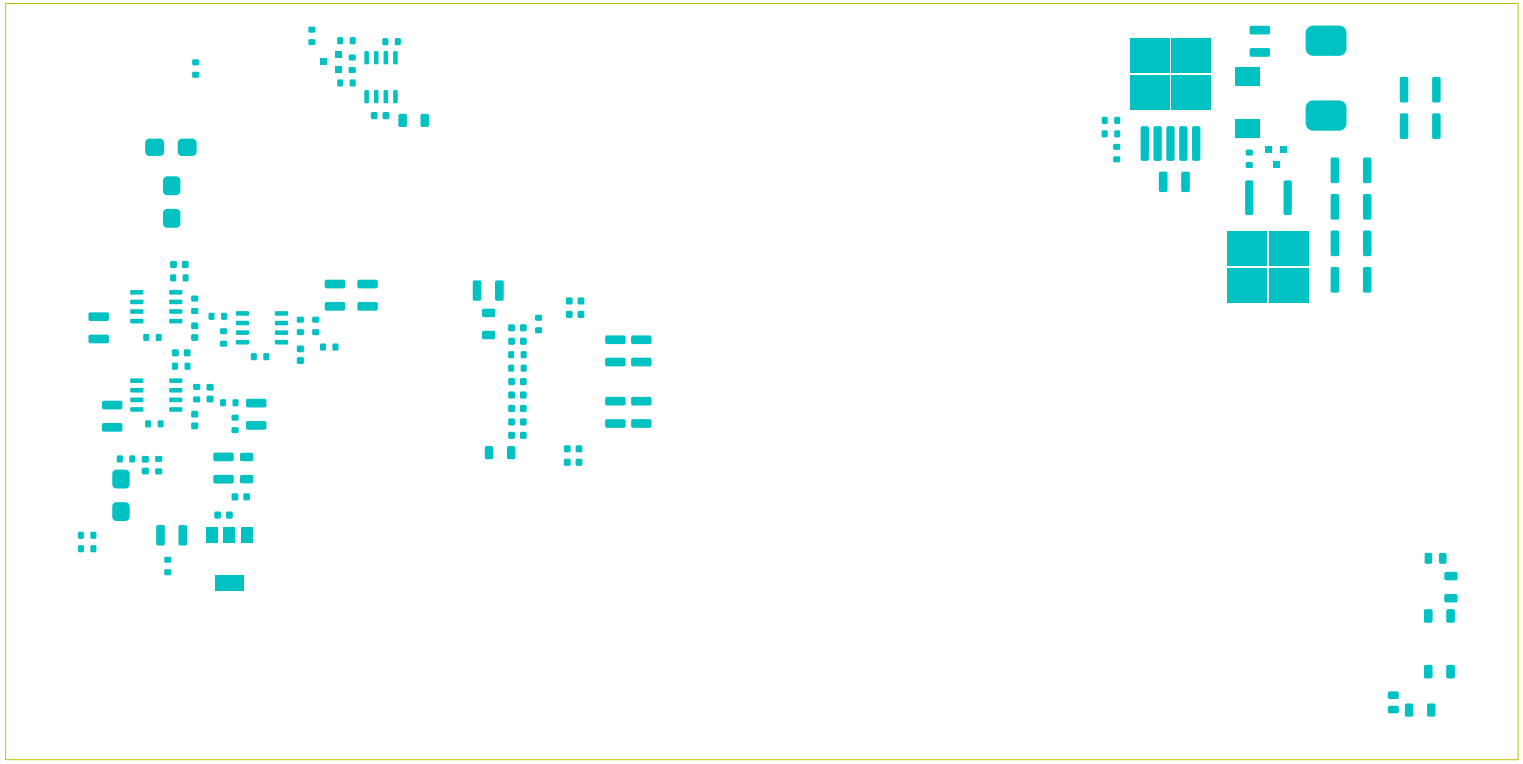
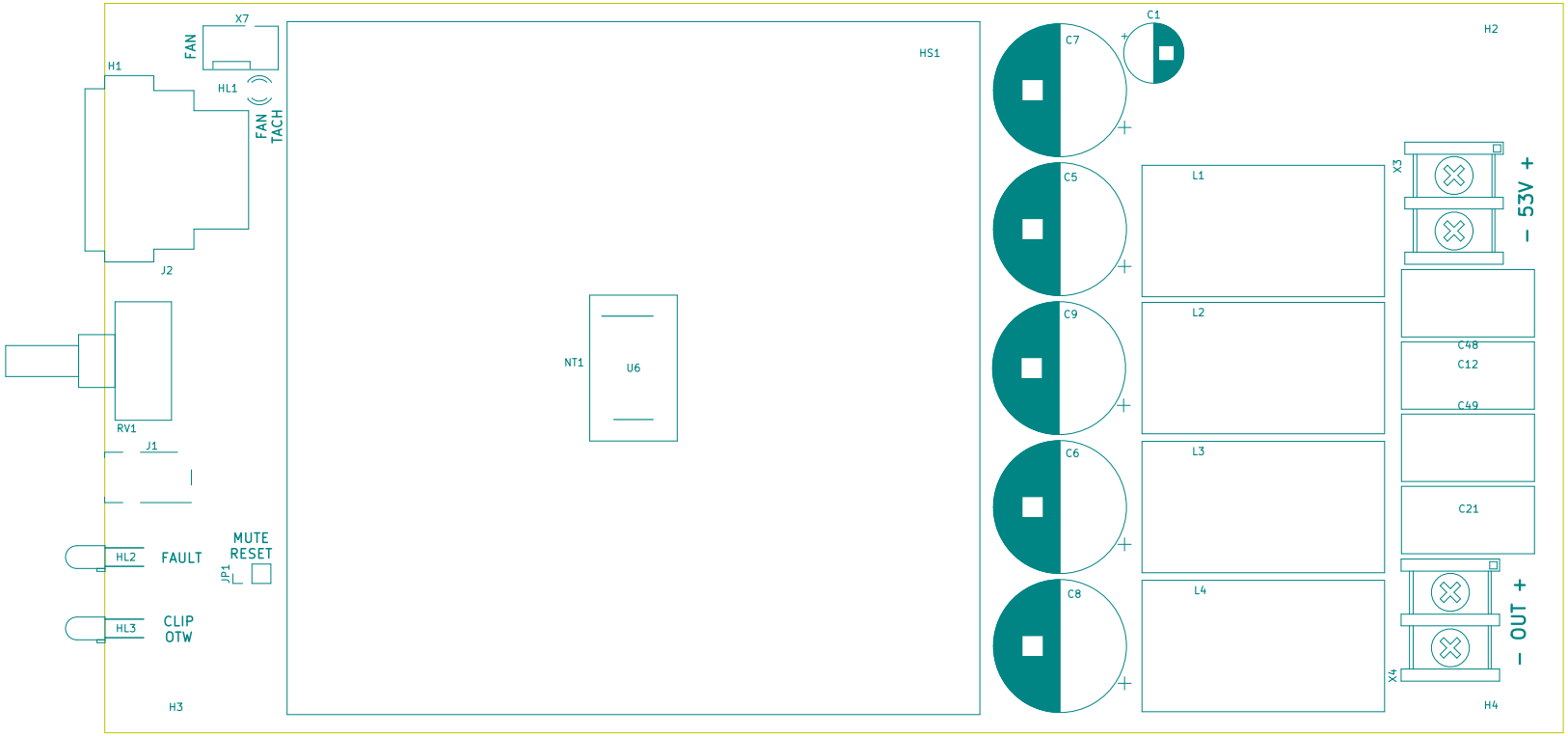
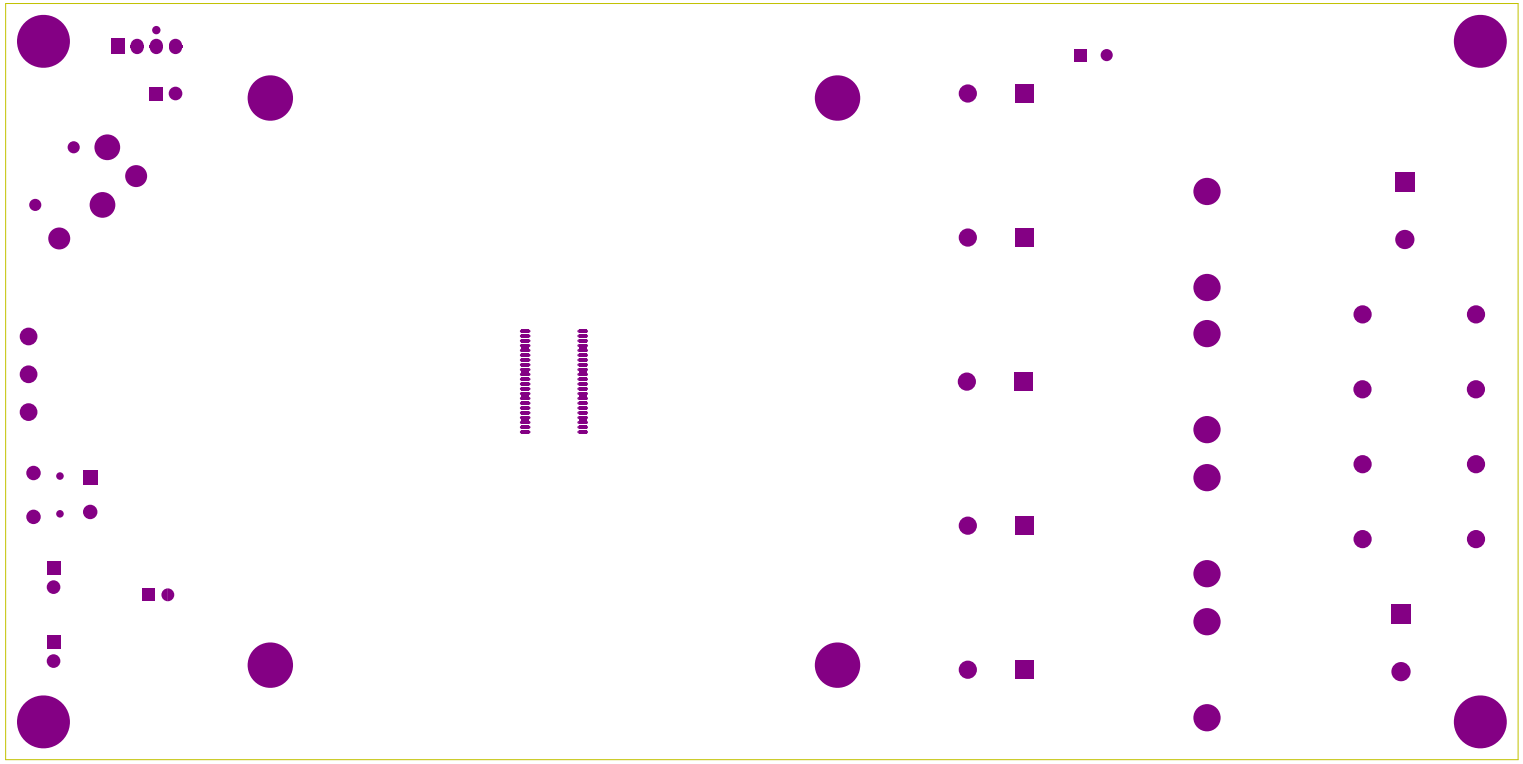


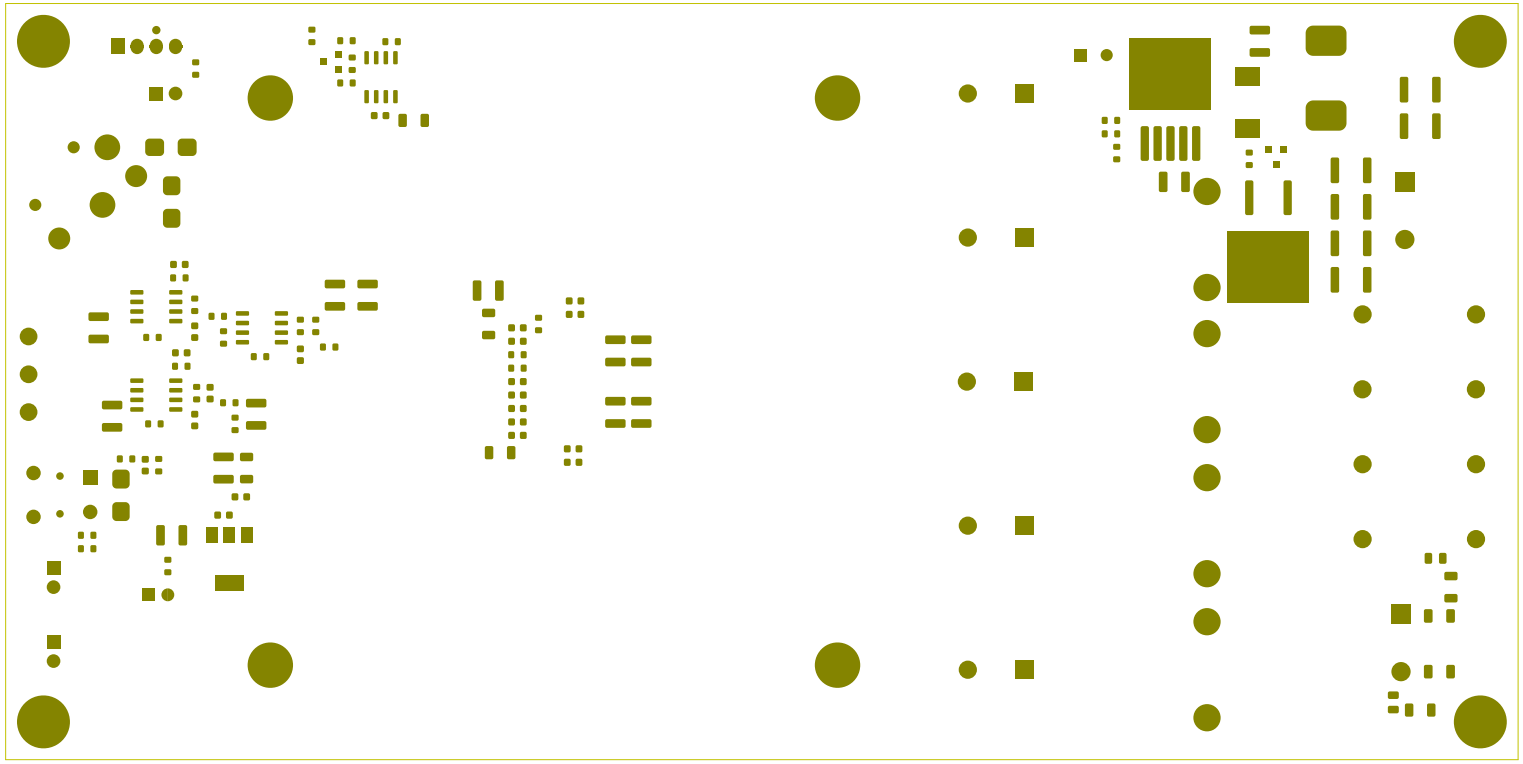


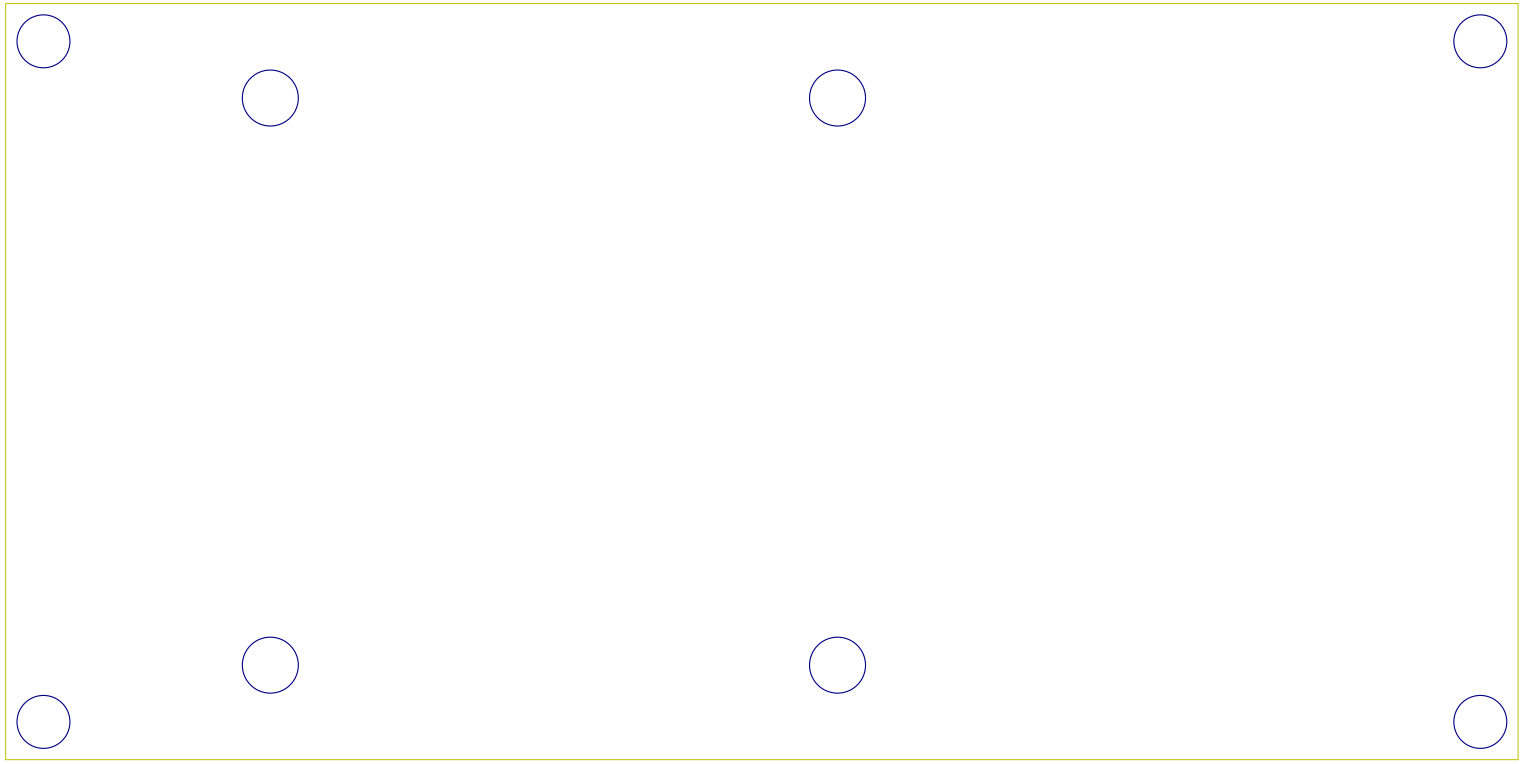


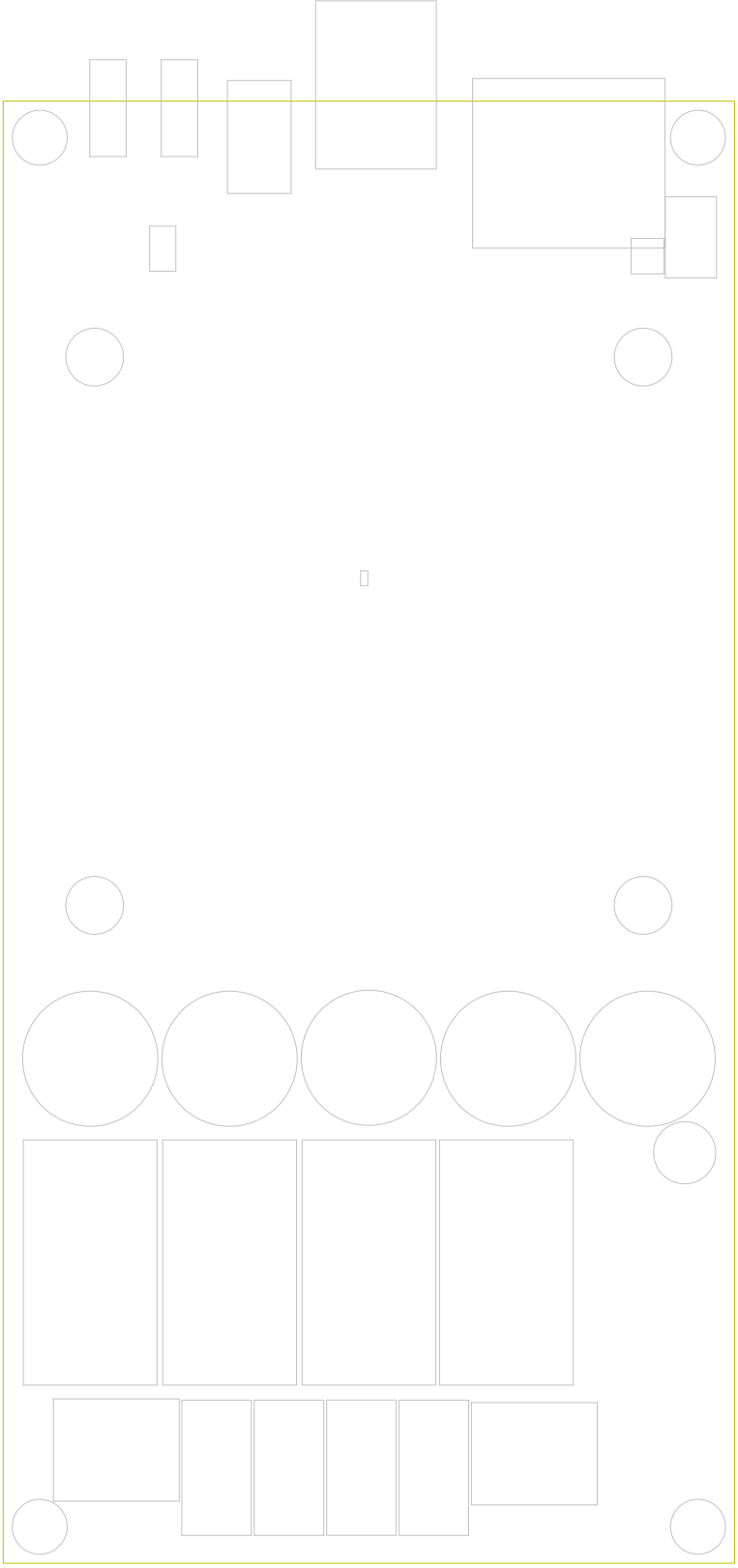

X7
FAN
H1
HL1
FAN
TACH
J2
RV1
J1
HL2
FAULT
MUTE
RESET
JP1
HL3
CLIP
OTW
H3
HS1
NT1
U6
C7
C5
C9
C6
C8
C1
L1
L2
L3
L4
X3
C48
C12
C49
C21
X4
H2
H4
- 53V +
- OUT +

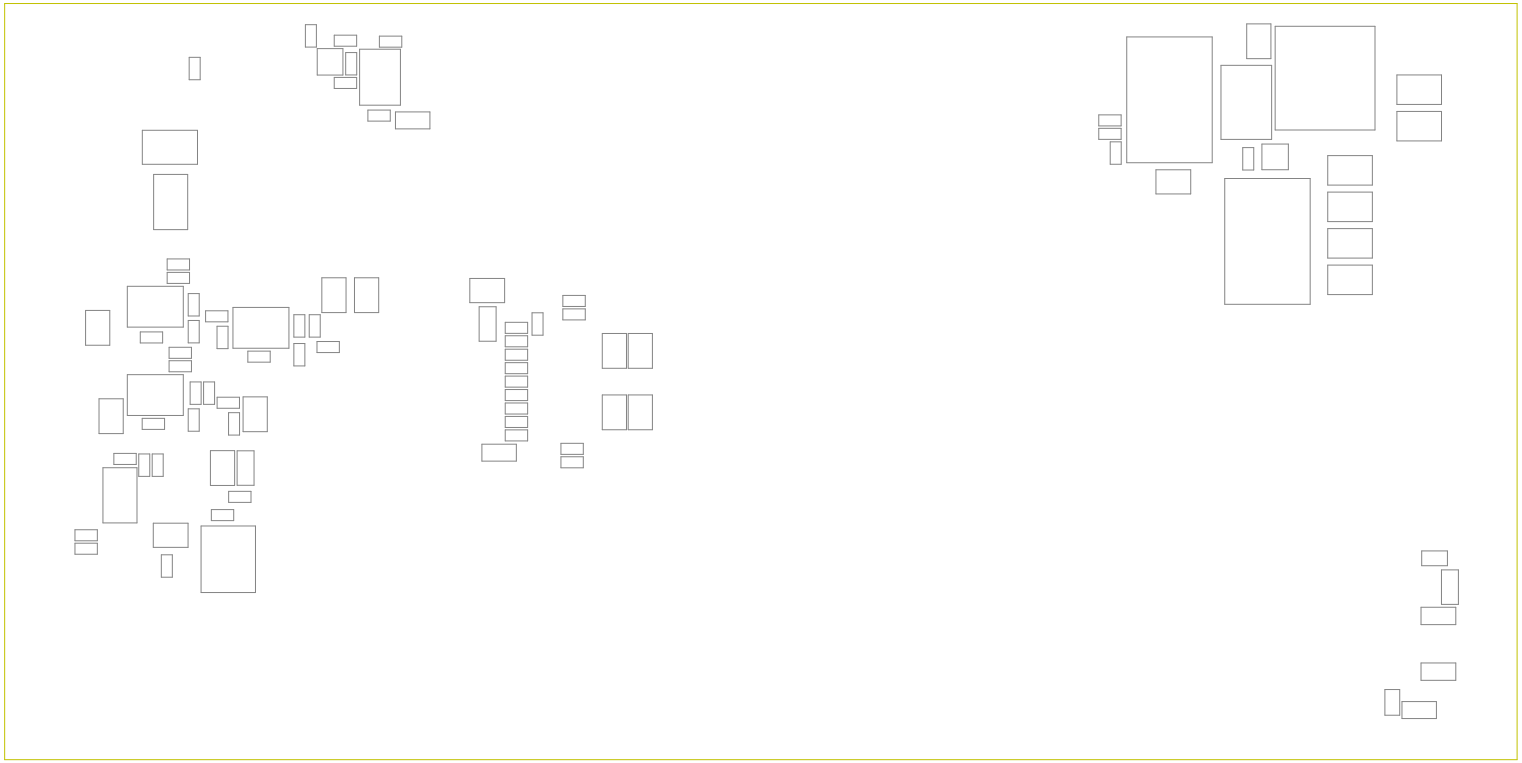
R38
R37
R36 R39 R40 R41
Q4
R42
Q3
C32
R43
R9
R8
VD1
L5 C33
U7
C23
R5
C22
C13
R4
C14
C24 C25 C26 C27 C28 C29 C30 C20 C19 C18 R3 R2 C2 C3 R1 C1 TH1 C4 C15 C16
C31
R46
U1
R47
R49 R45 R50
R17
VD4
VD3
C10 R24 R23 R16 U5 R13 R12 R18 R25 U3 R29 C36 R15 C42 R19 U4 R10 C40
C44 C45
C39 R14 C41 R28 C11 R26 C12 C7 R27 R7 C17 C25 C35 C38 C37 U2 R6 C46 VD2 R21 R20

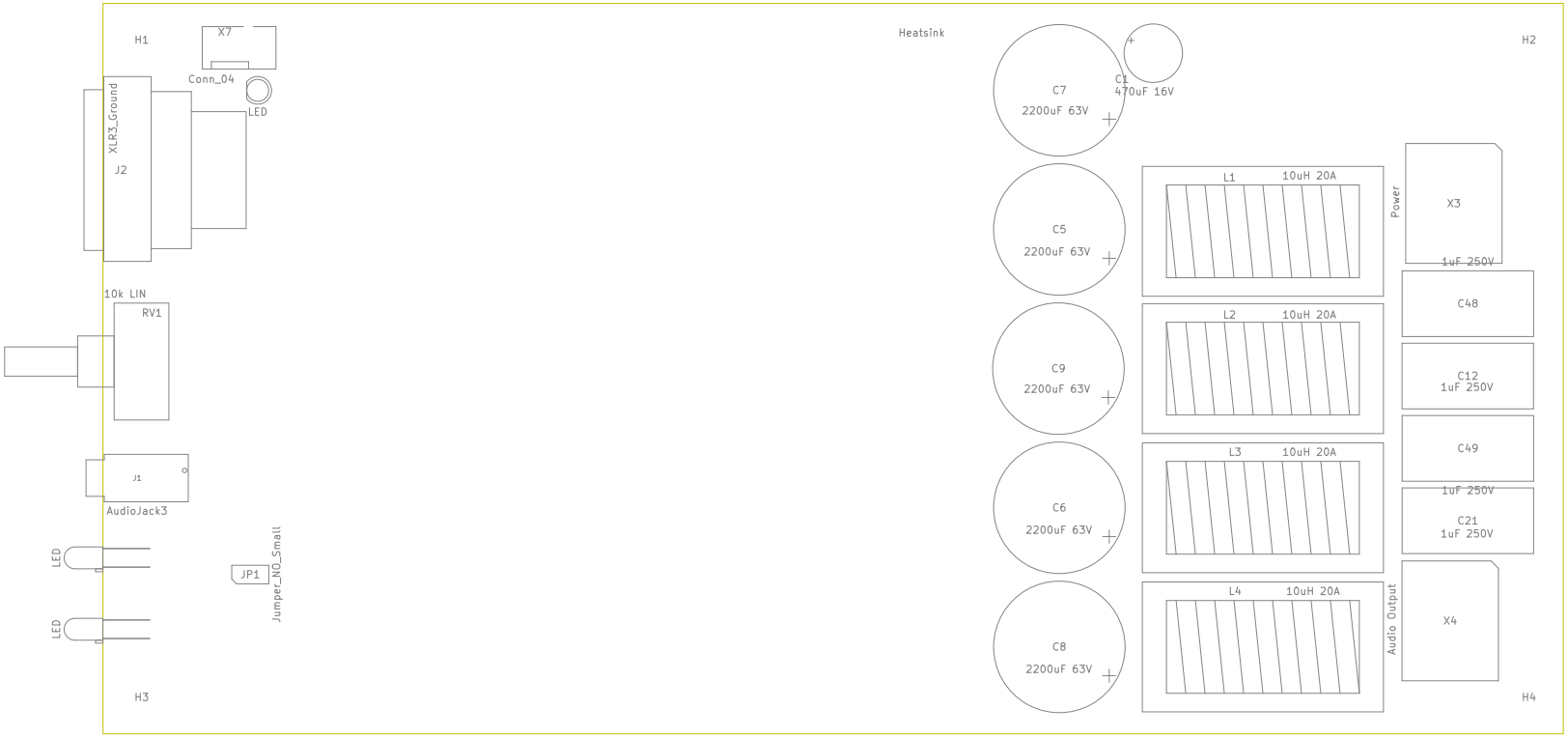











H1
X7
Conn_04
LED
XLR3_Ground
J2
10k LIN
RV1
J1
AudioJack3
LED
LED
JP1
Jumper_NO_Small
H3
Heatsink
C7
2200uF 63V
C1
470uF 16V
C5
2200uF 63V
C9
2200uF 63V
C6
2200uF 63V
C8
2200uF 63V
L1
10uH 20A
L2
10uH 20A
L3
10uH 20A
L4
10uH 20A
Power
X3
1uF 250V
C48
C12
1uF 250V
C49
1uF 250V
C21
1uF 250V
Audio Output
X4
H2
H4

22uF 25V
LM2596HVS-ADJ, LM2596HV-12
C33
100uH 2A
L5
U7
SS310
VD1
R38
1R
R37
1R
10K
75K
1K
1uF 100V
C32
30K
MMBT5401
Q3
IRF9540NSTRLPBF
R36
1R
R39
1R
R40
1R
R41
1R
10K MOX
SFE K55
0.033uF
0.033uF
C23
1uF 100V
C22
1uF 100V
C21
1uF 100V
C20
1uF 100V
0.033uF
0.033uF
C43
22uF 25V
R4
3.3
0.1uF
22K
10K
1uF 16V
1uF 16V
0.047uF
1uF 16V
0.1uF
R7
3.3
C42
22uF 25V
C41
22uF 25V
U1
NE5532ADR
IRLML6303
1M
10K
4.7K
4.7K
R44
1uF 16V
3.3
VD4
SMBJ10CA
VD3
SMBJ10CA
0.1uF
100K
10K
U4
TL072
22uF 25V
C40
1K
0.1uF
10K
U5
TL072
10K
100
0.1uF
100
10K
U3
TL072
22uF 25V
C39
1K
0.1uF
100pF
100K
4.7K
1K
C37
22uF 25V
C38
1K
4.7K
220K
3300pF
100
VD2
SMBJ10CA
C36
R13
C35
0.1uF
22uF 25V
0.1uF
22uF 25V
C46
1K
1K
10K
U2
LM1117-3.3
10nF 100V
C44
R6
C13
1nF 100V
C22
1nF 100V
R5
3.3
10nF 100V
C45