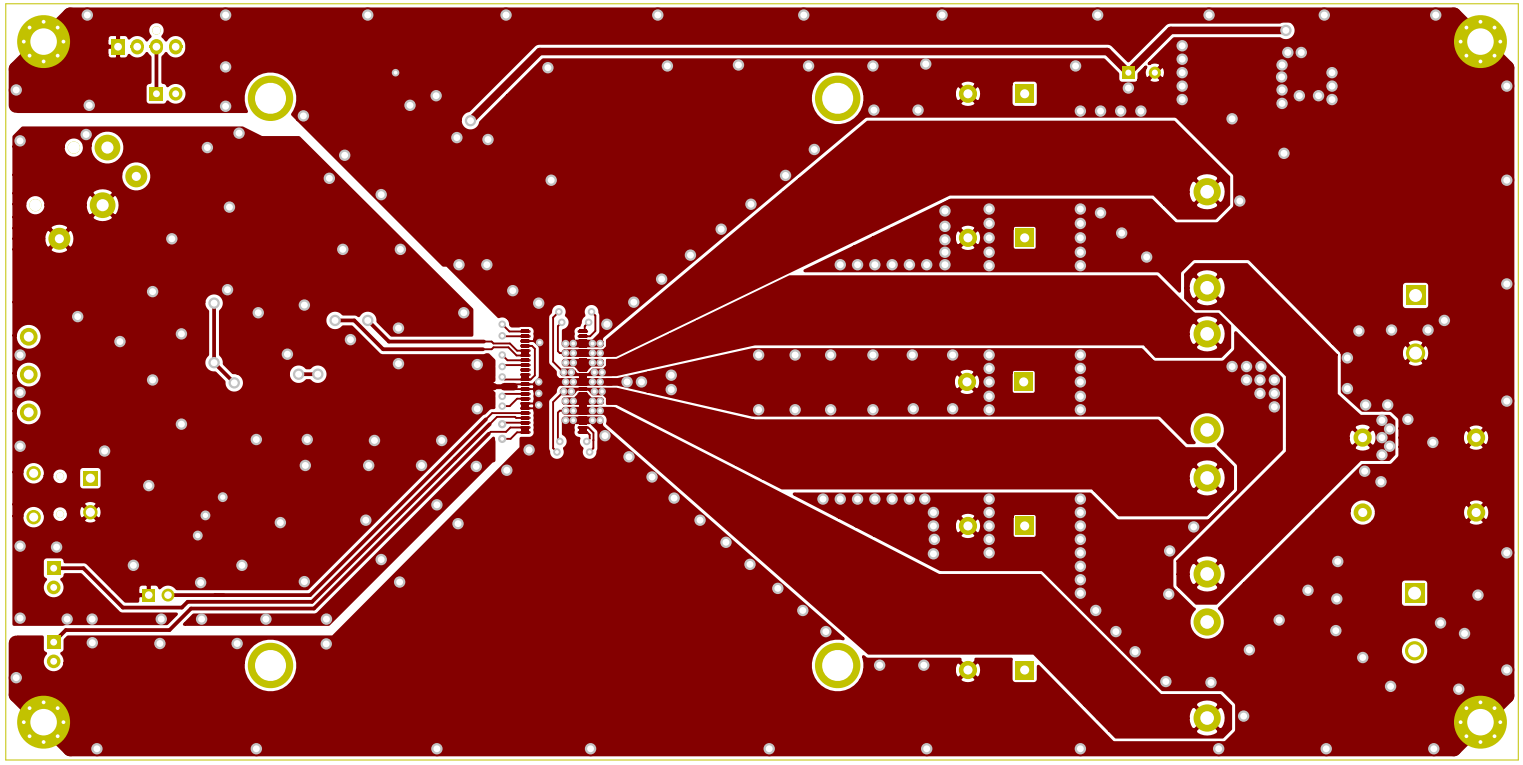
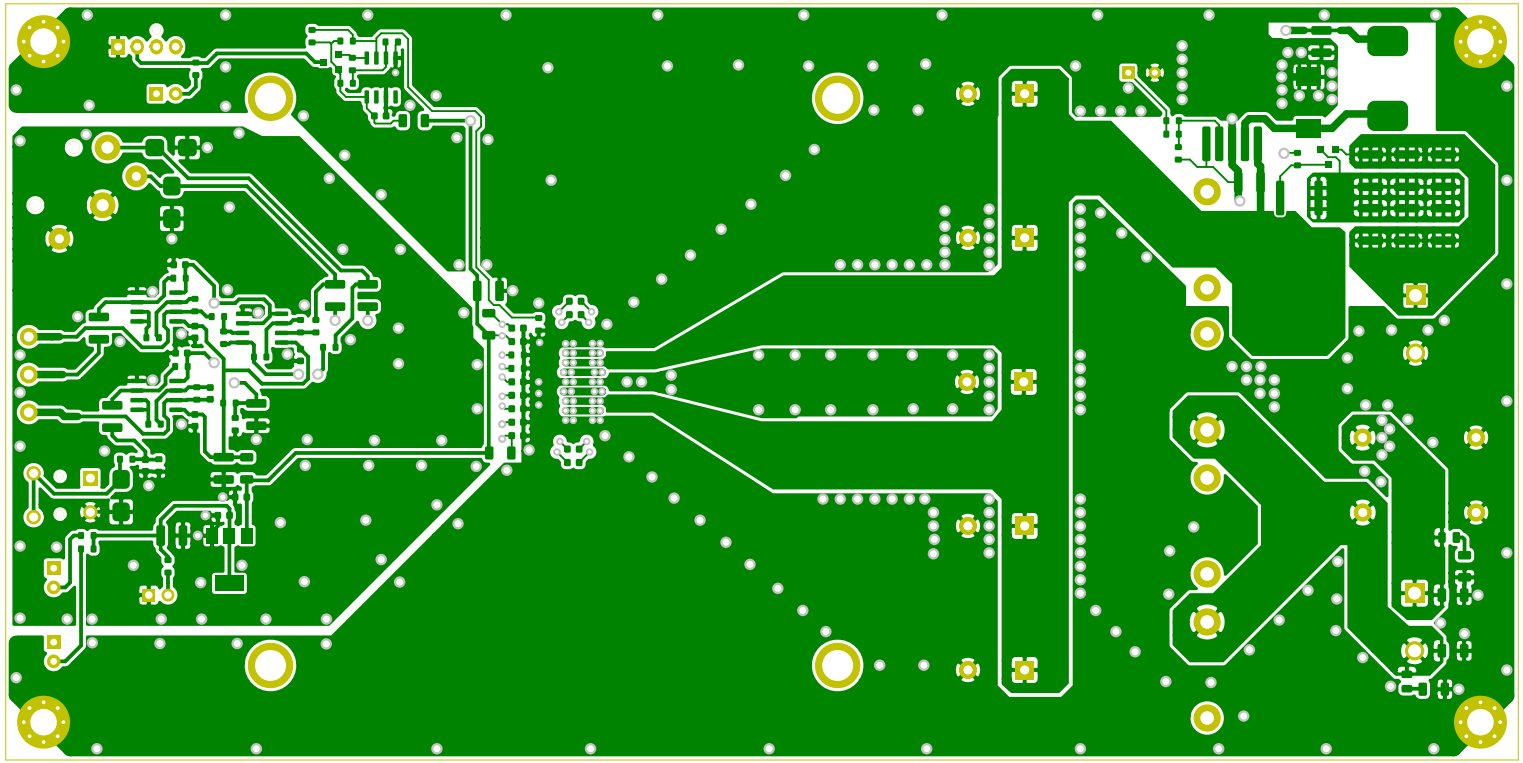
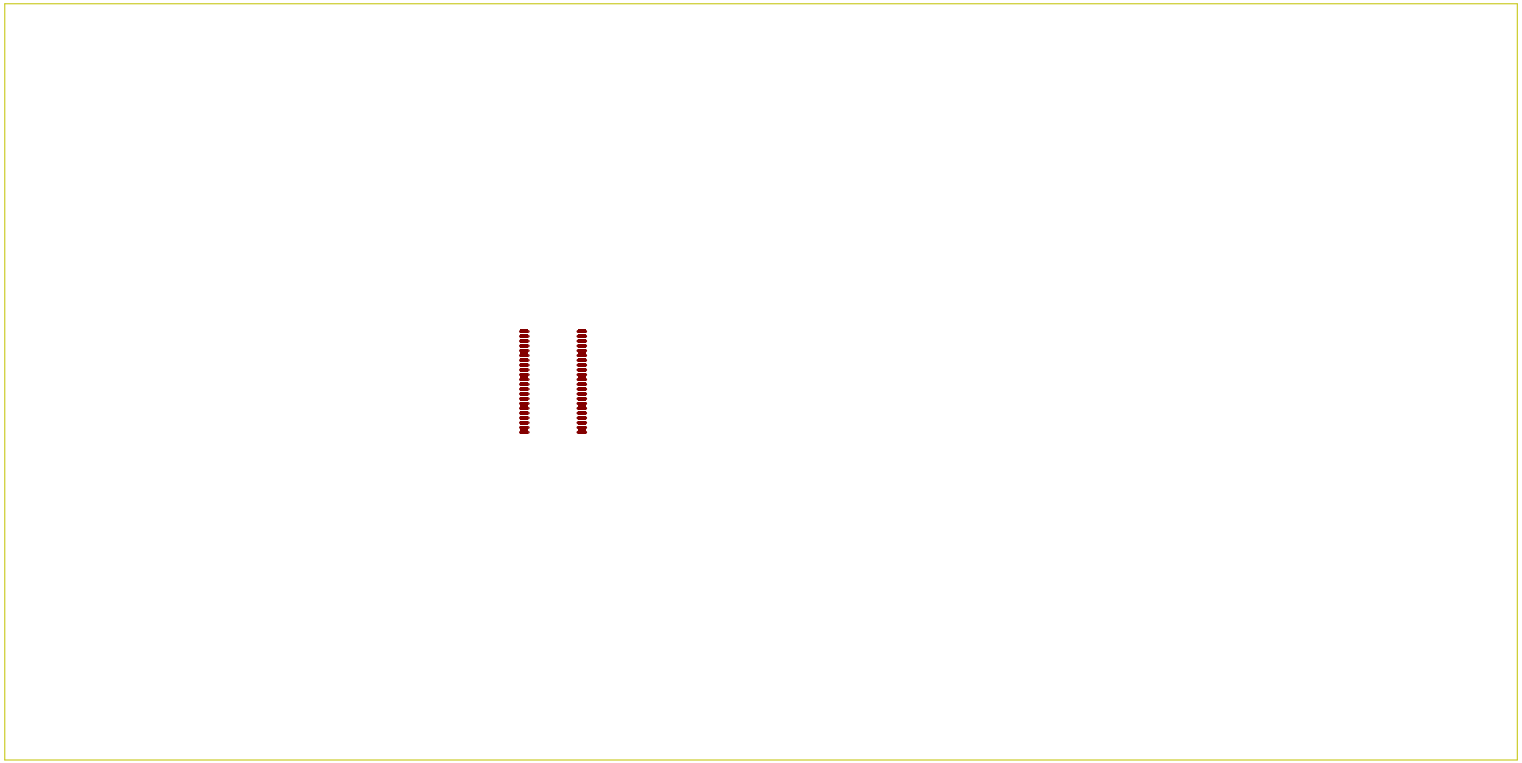
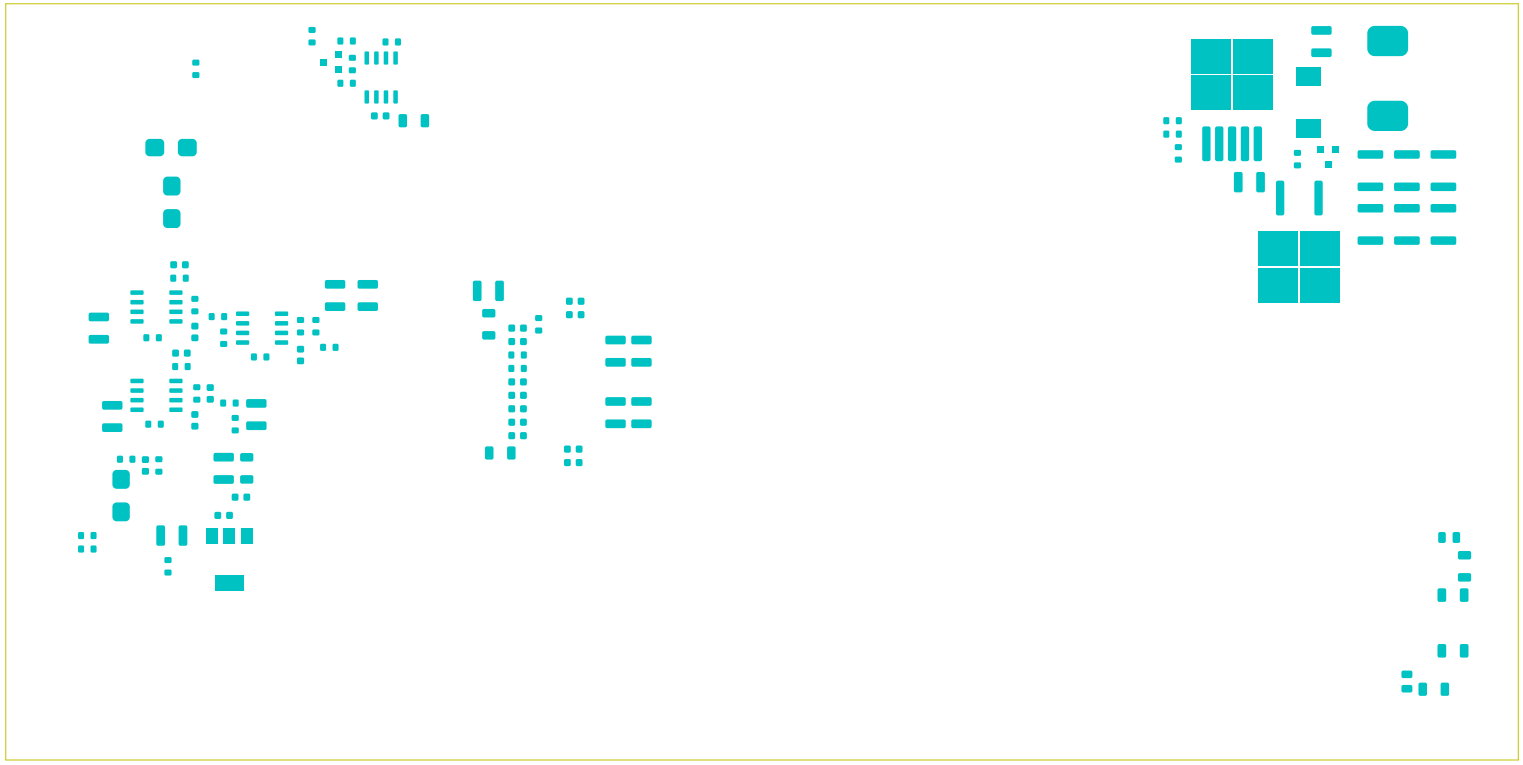
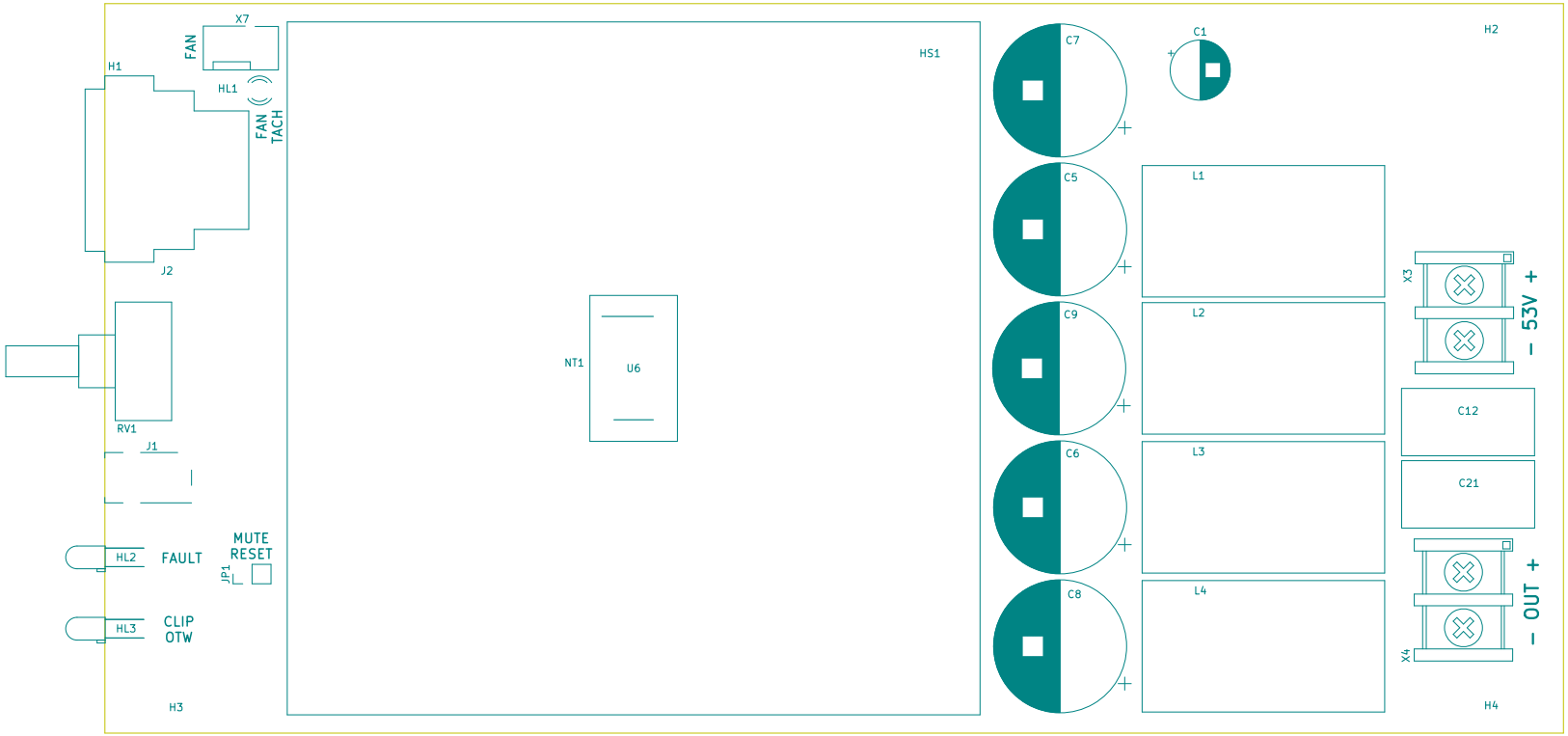


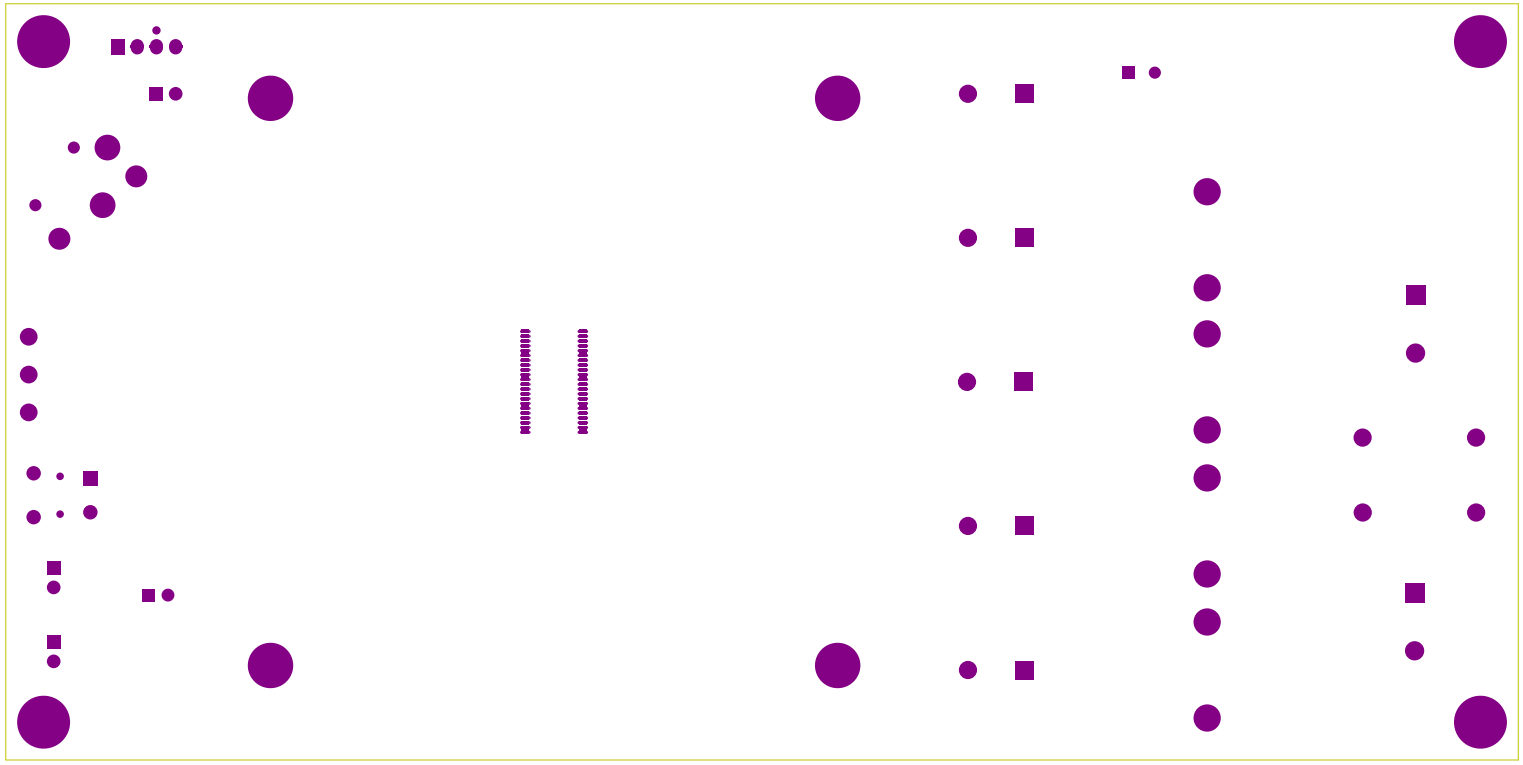


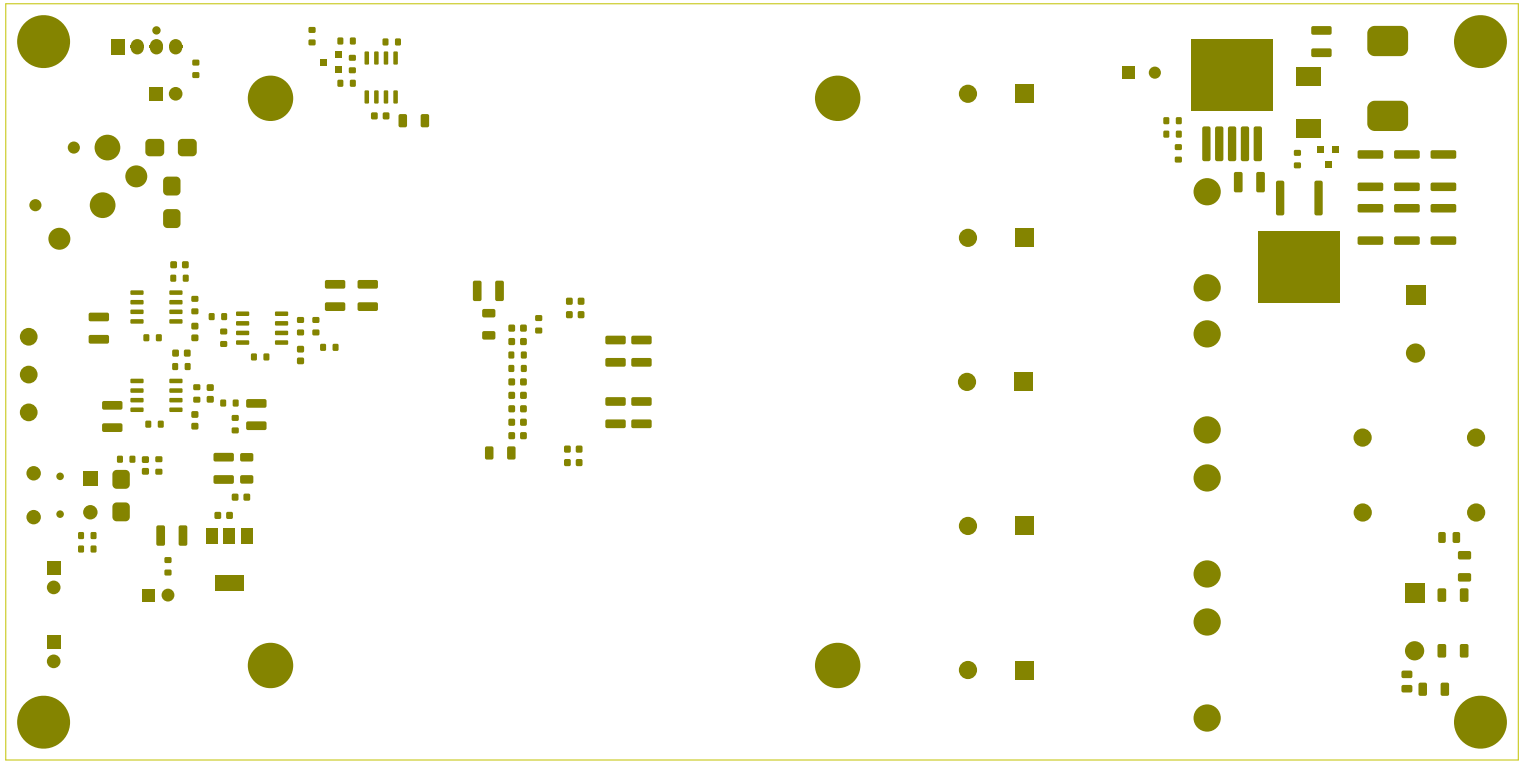


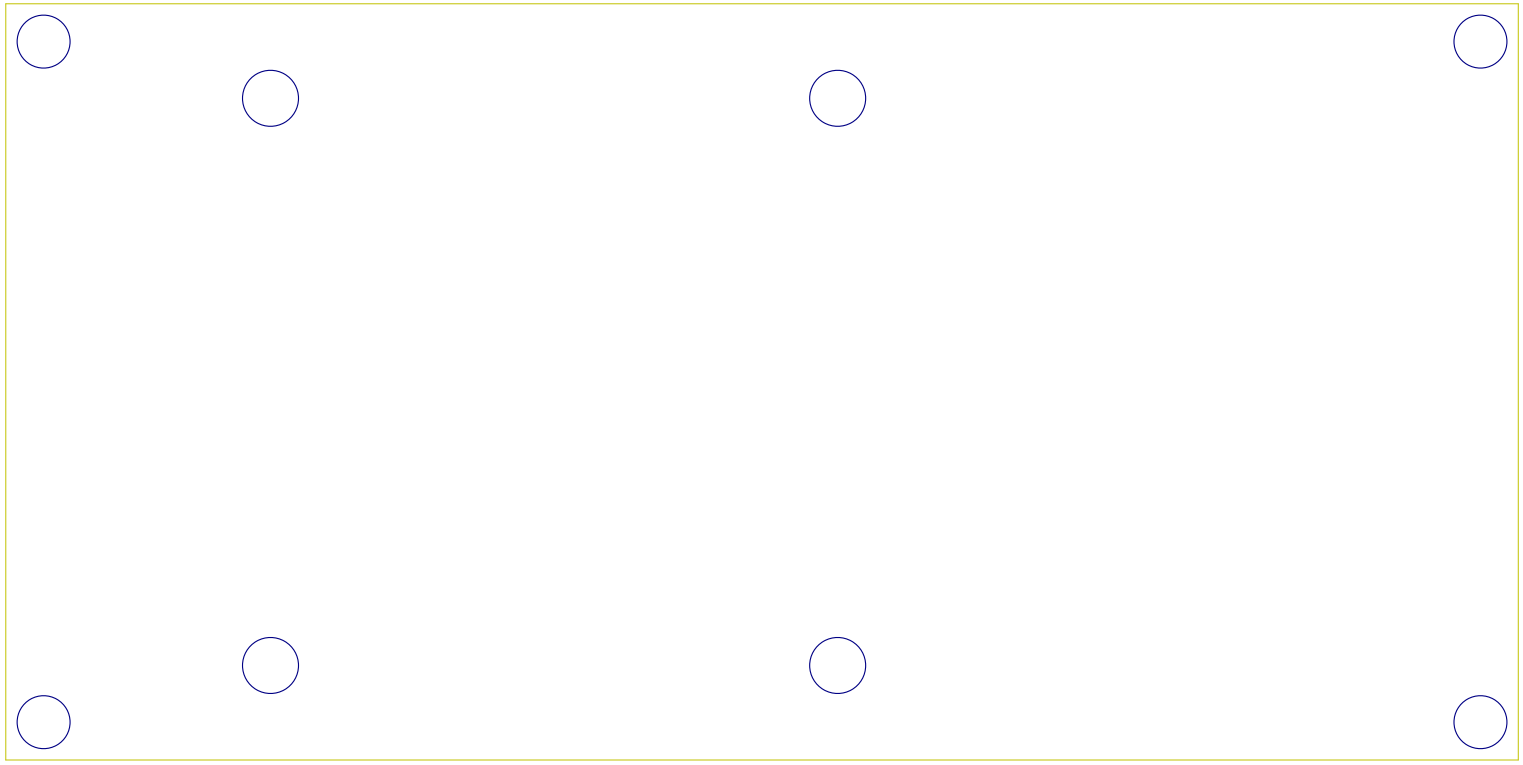


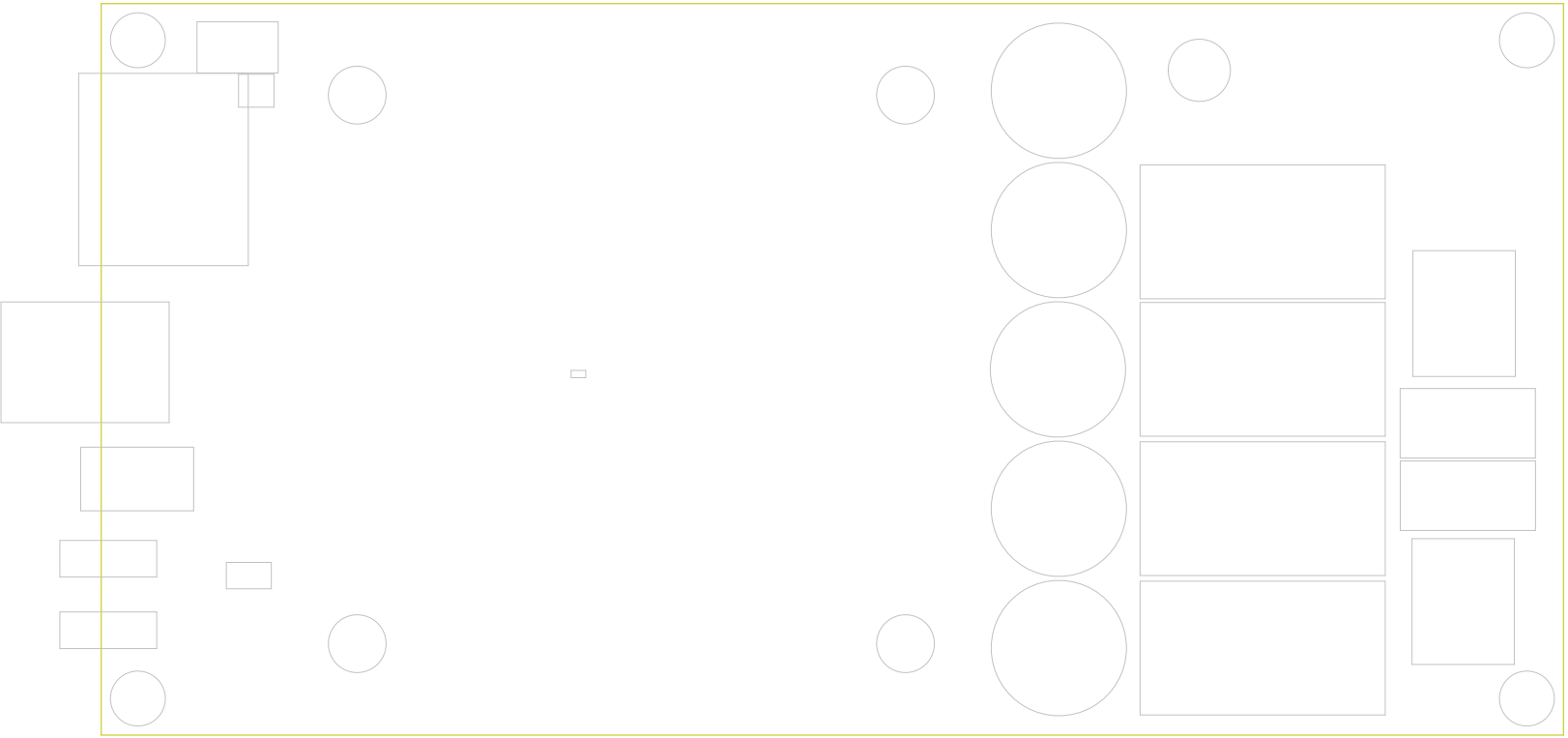

X7
FAN
H1
HL1
FAN
TACH
J2
RV1
J1
HL2
FAULT
MUTE
RESET
JP1
HL3
CLIP
OTW
H3
HS1
NT1
U6
C7
C5
C9
C6
C8
C1
L1
L2
L3
L4
H2
X3
+ 53V -
C12
C21
X4
+ OUT -
H4

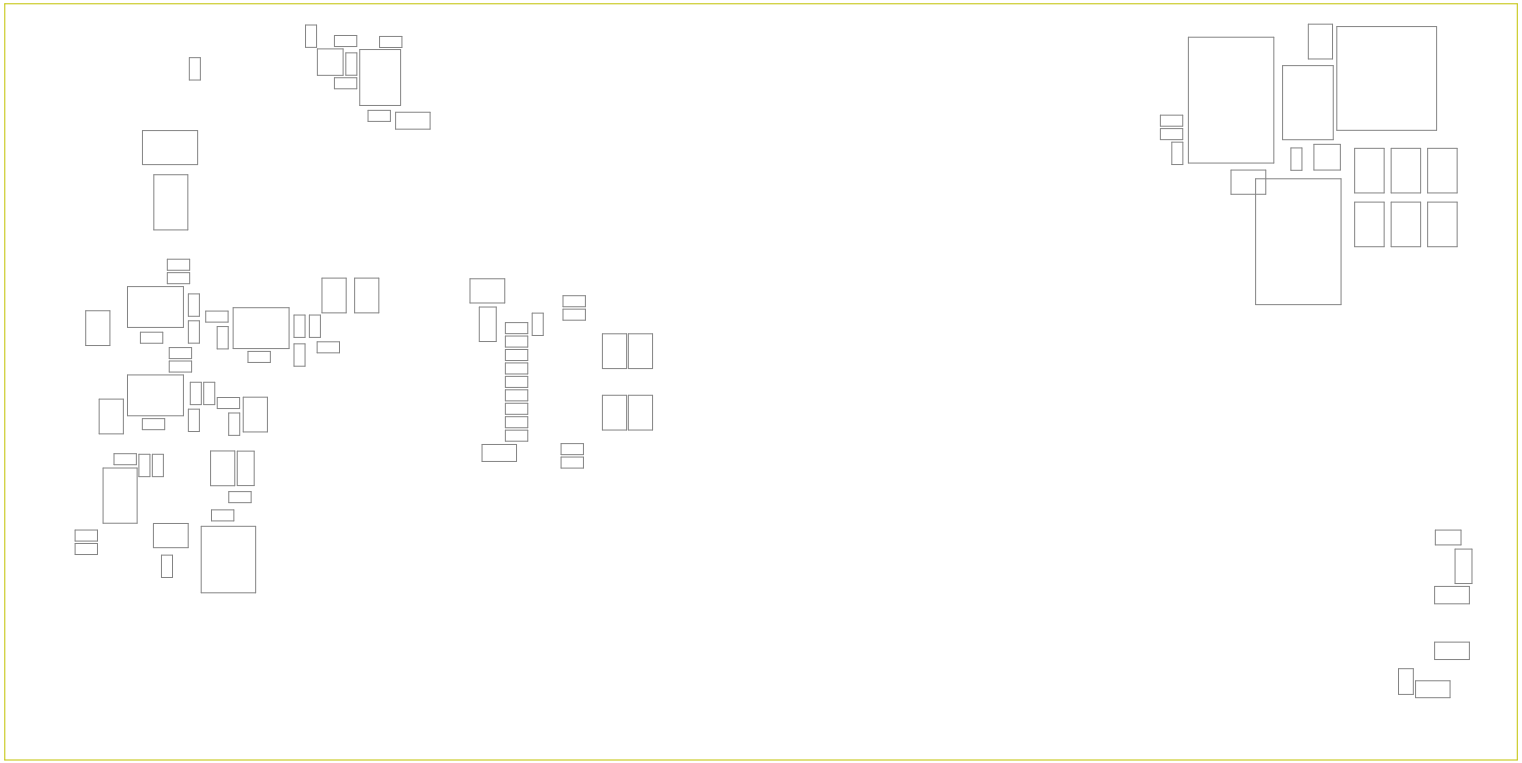
C23
R5
C22
C13
R4
C14
U7
R43
R9
R8
C32
Q3
R42
Q4
VD1
L5
C33
R38
R37
R36
R39
R40
R41
R44
C31
R46
R45
R47
R30
U1
Q6
R46
R49
R17
VD4
VD3
C40
R10
U4
R19
R13
U5
C42
C36
R15
C26
R25
U3
R29
C39
R14
R18
R12
C10
R24
R23
R16
C44
C45
C43
R1
C3
TH1
C34
C4
C16
C15
C2
R3
C18
C19
C20
C27
C30
R7
C29
C28
C25
C24
C41
R11
C7
R22
R21
C37
C38
C35
C6
VD2
R20
R6
U2
R27
R28
C11
R2
C12

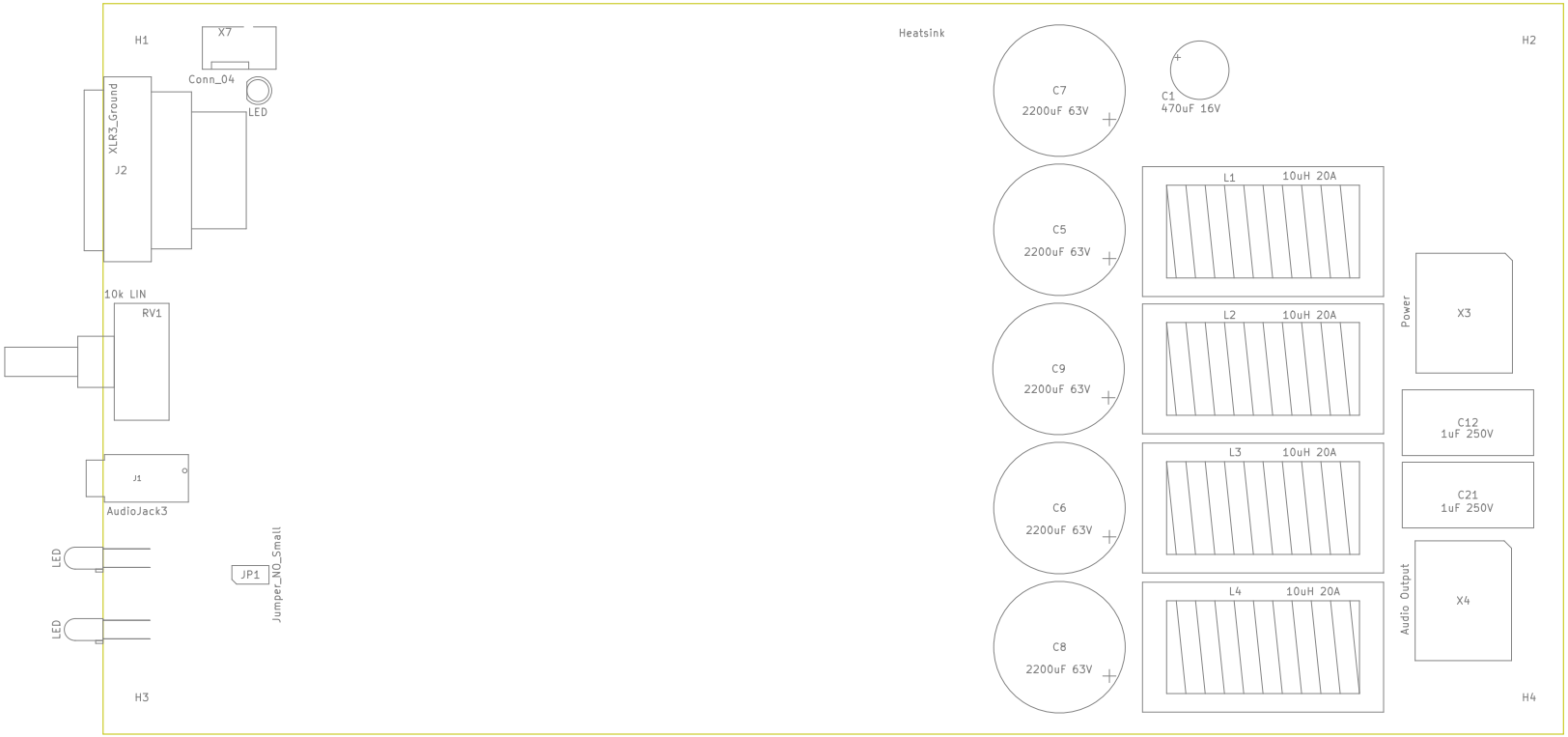











H1
X7
Conn_04
LED
XLR3_Ground
J2
10k LIN
RV1
J1
AudioJack3
LED
LED
JP1
Jumper_NO_Small
H3
Heatsink
C7
2200uF 63V
C5
2200uF 63V
C9
2200uF 63V
C6
2200uF 63V
C8
2200uF 63V
C1
470uF 16V
L1
10uH 20A
L2
10uH 20A
L3
10uH 20A
L4
10uH 20A
Power
X3
C12
1uF 250V
C21
1uF 250V
Audio Output
X4
H2
H4

22uF 25V
LM2596HVS-ADJ, LM2596HV-12
C23
100uH 2A
L5
VD1
SS310
U7
10k
75k
1k
1uF 100V
C32
30k
MMBT5401
R38
R37
R36
R39
R40
R41
Q3
IRF9540NSTRLPBF
10nF 100V
R5
3.3
C22
1nF 100V
C13
1nF 100V
R4
3.3
10nF 100V
C24
R64
1uF 16V
3.3
U1
NE5532DR
10k
1M
10k
4.7k
IRLML6303
4.7k
VD4
SMBJ10CA
VD3
SMBJ10CA
0.1uF
100k
10k
TL072
U4
22uF 25V
C42
1k
1uF
4.7k
10k
TL072
U5
10k
100k
0.1uF
22uF 25V
C43
22uF 25V
C44
10k
10k
0.1uF
TL072
U3
100pF
22uF 25V
C41
4.7k
1k
0.1uF
22uF 25V
C39
220k
330pF
100
VD2
SMBJ10CA
1k
1k
3.3
R13
C17
0.1uF
22uF 25V
0.1uF
22uF 25V
C46
10k
U2
LM317-3.3
10k
10k
0.033uF
0.033uF
22uF 25V
C45
22uF 25V
C44
0.1uF
R1
3.3
0.1uF
22k
10k
1uF 16V
1uF 16V
0.047uF
1uF 16V
0.1uF
R7
3.3
0.033uF
0.033uF
C9
C10
1uF 100V
1uF 100V
C7
C8
1uF 100V
1uF 100V