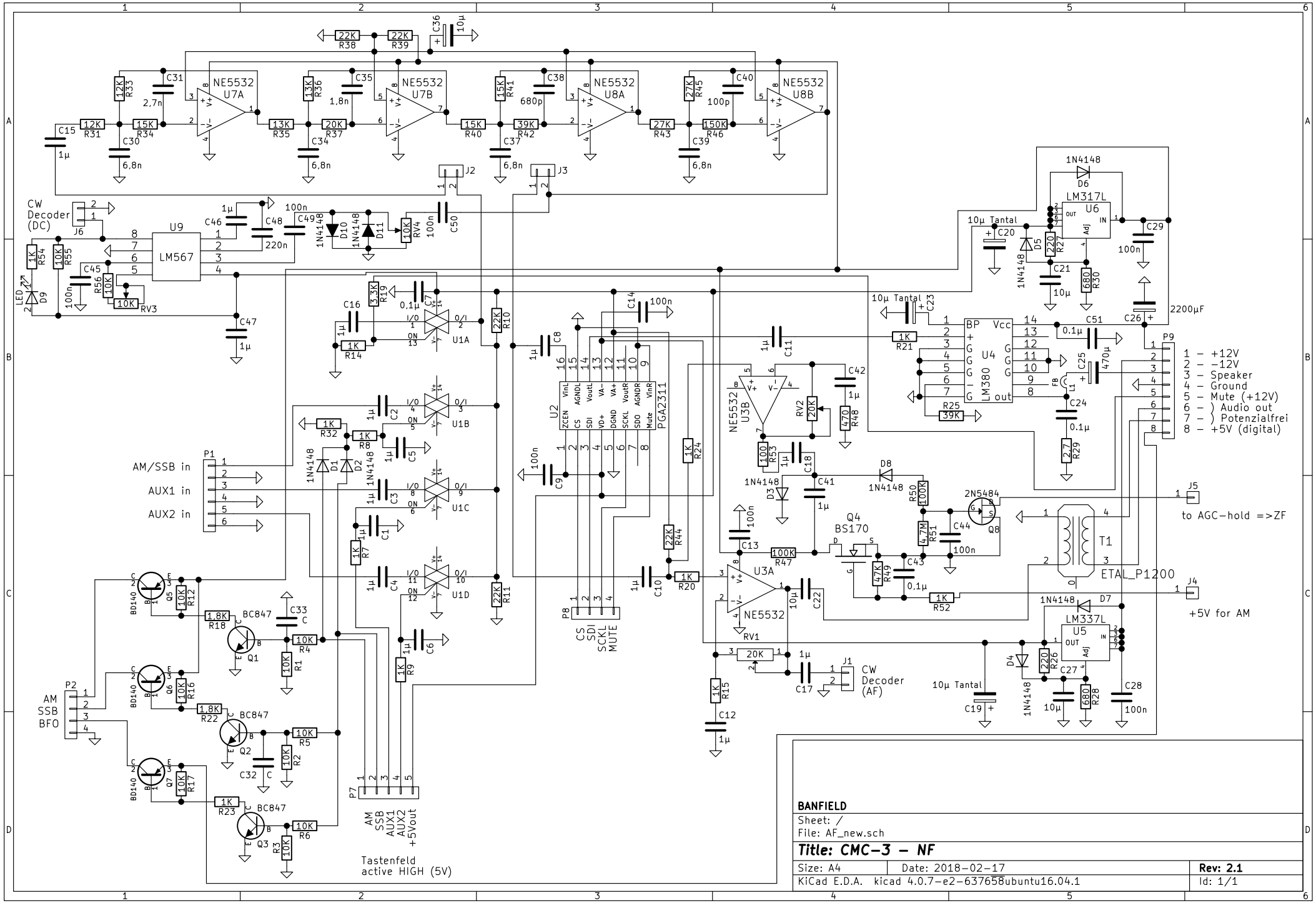
NE5532 U7A
NE5532 U7B
NE5532 U8A
NE5532 U8B
CW Decoder (DC)
LM567
PGA2311
NE5532 U3A
NE5532 U3B
LM380
LM317L
LM337L
BS170
2N5484
ETAL_P1200
AM/SSB in
AUX1 in
AUX2 in
AM SSB BFO
CW Decoder (AF)
to AGC-hold =>ZF
+5V for AM
1 – +12V
2 – –12V
3 – Speaker
4 – Ground
5 – Mute (+12V)
6 –) Audio out
7 –) Potenzialfrei
8 – +5V (digital)
Tastenfeld active HIGH (5V)
BANFIELD
Sheet: /
File: AF_new.sch
Title: CMC-3 – NF
Size: A4
Date: 2018-02-17
Rev: 2.1
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1
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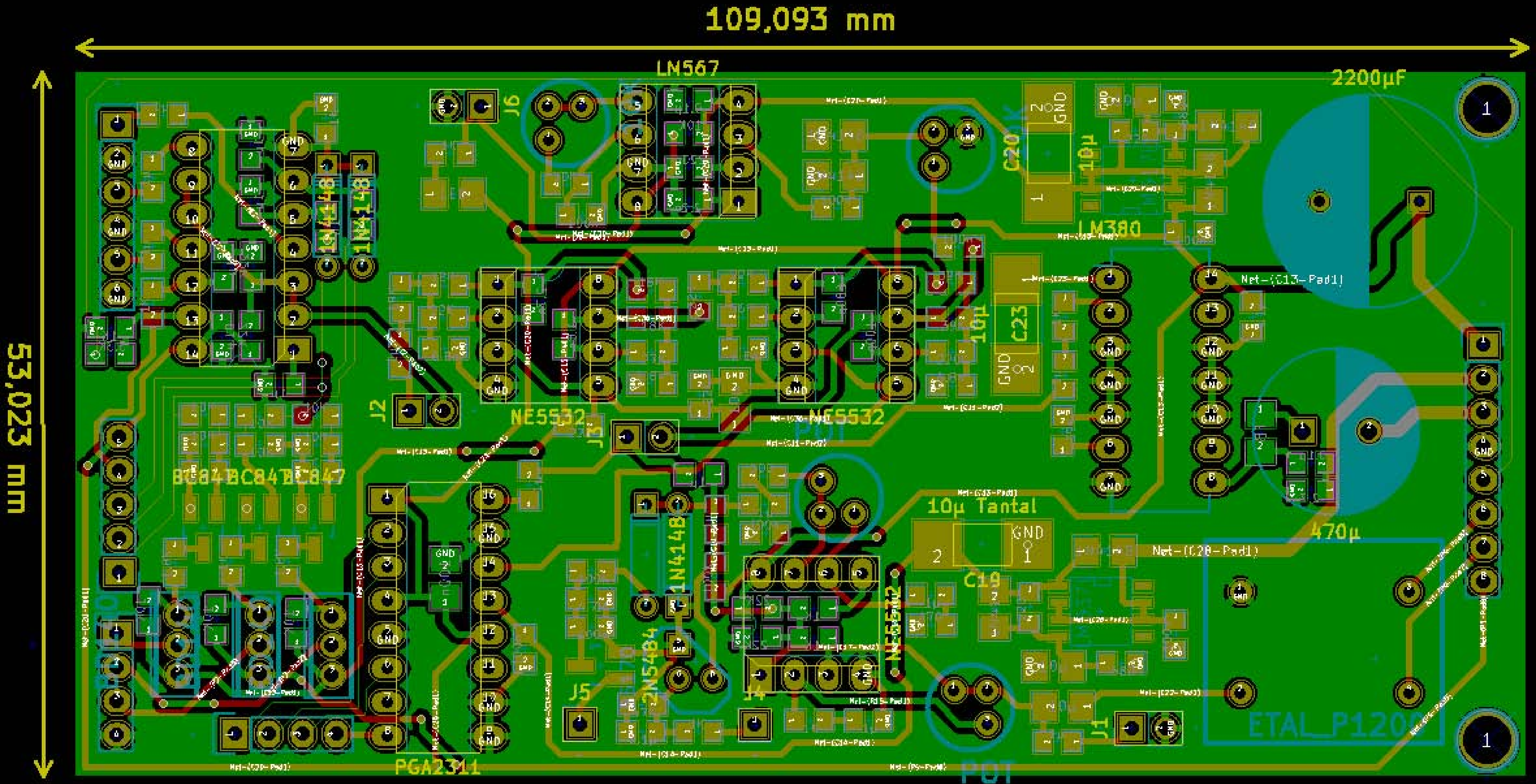
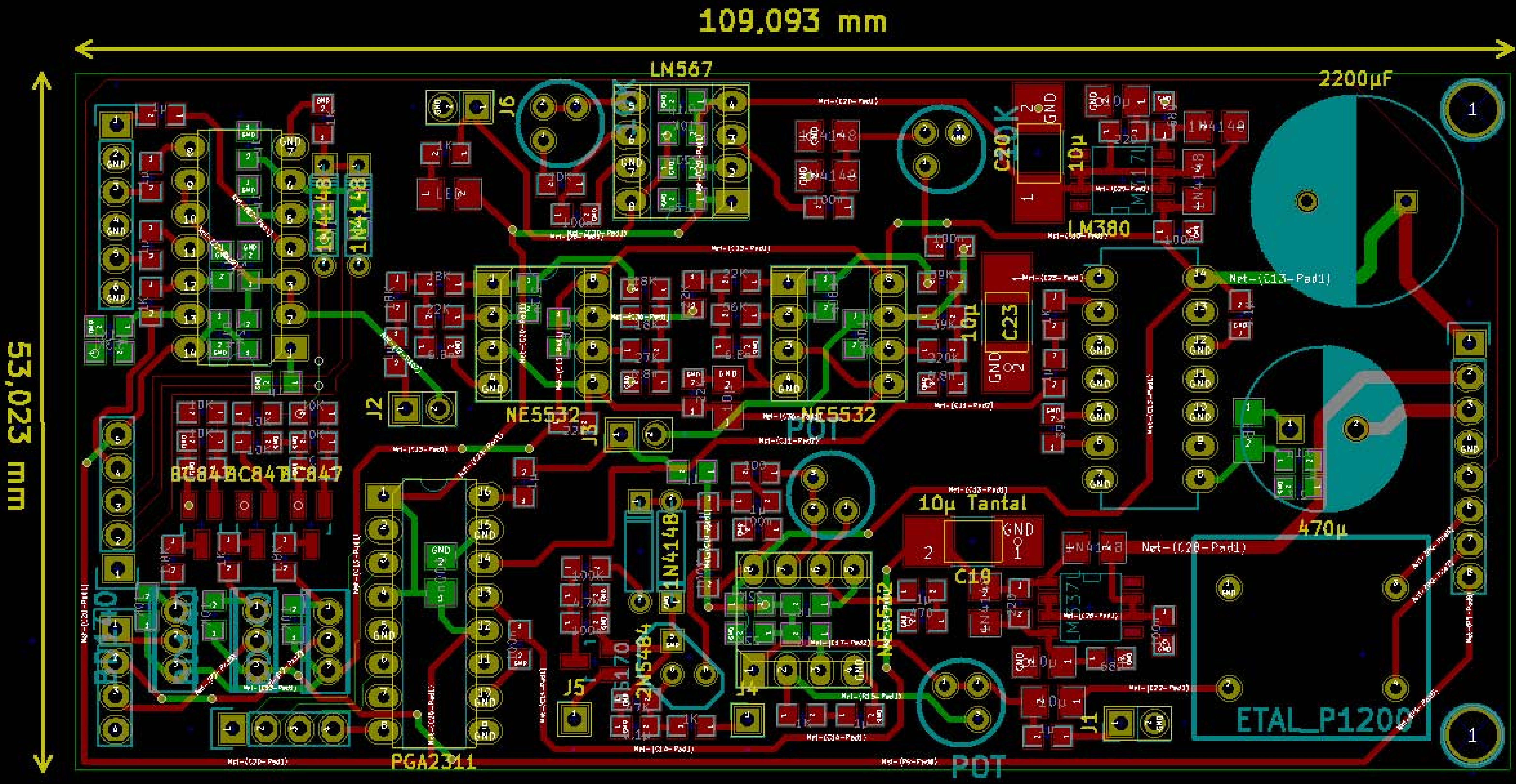
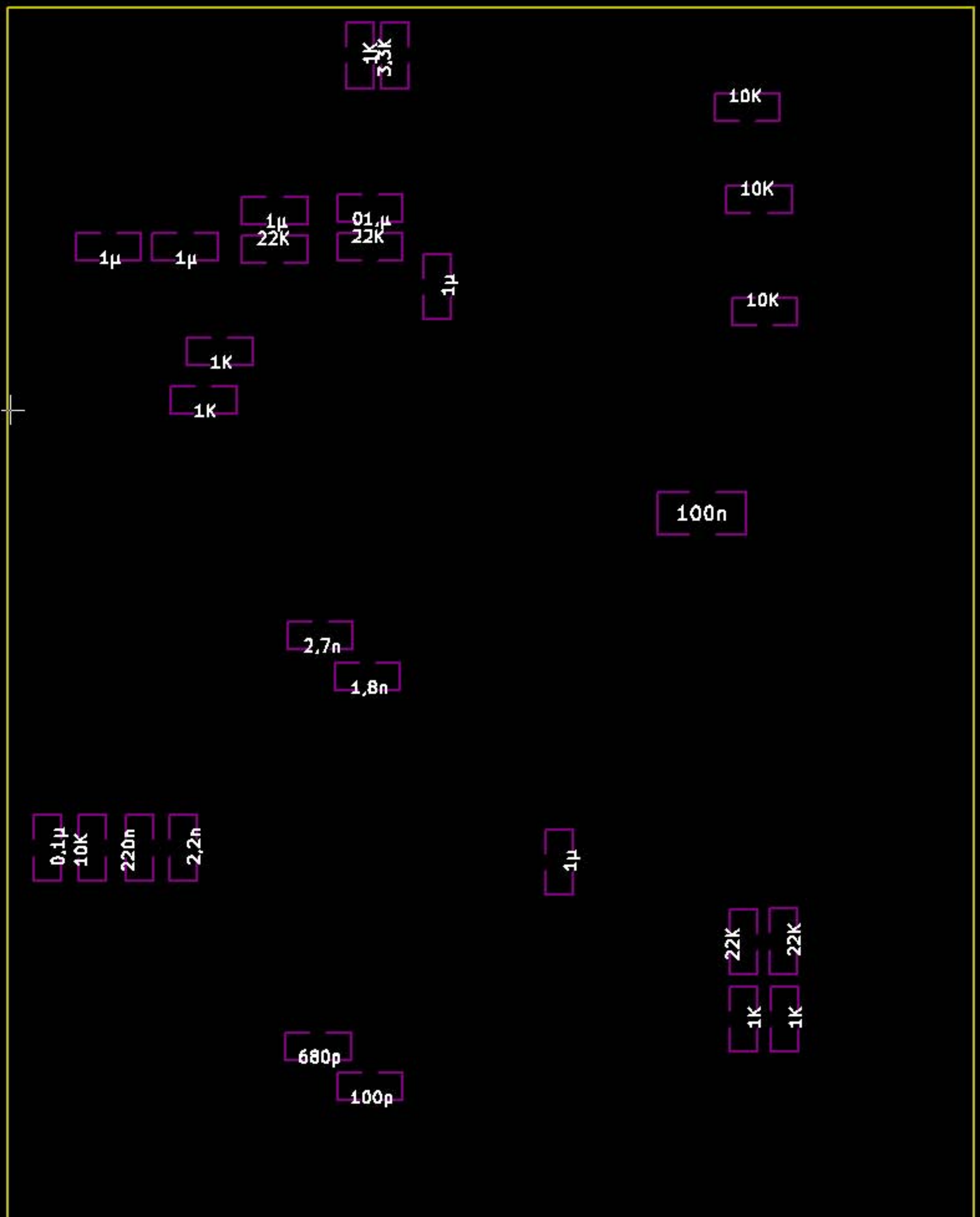
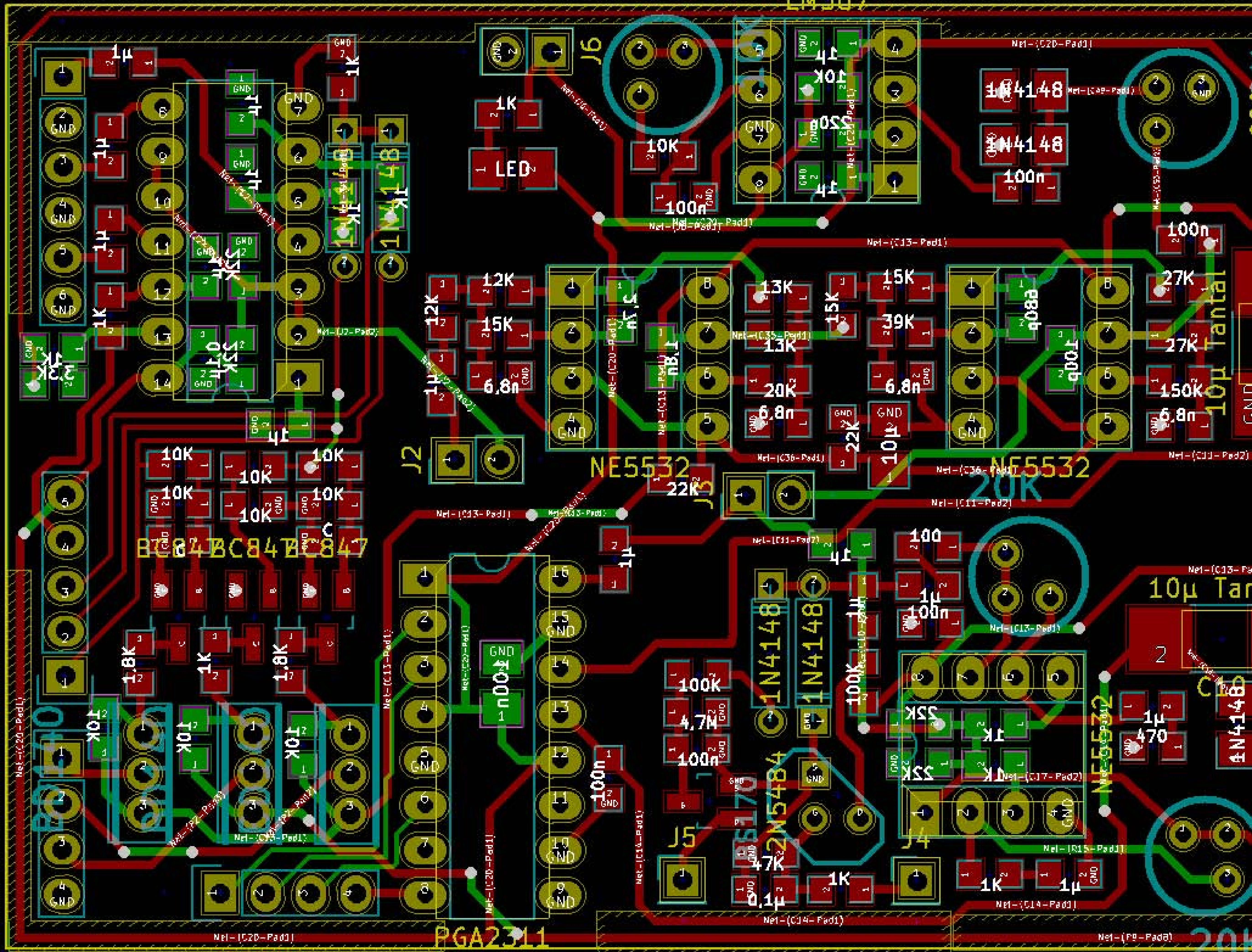

109,093 mm
53,023 mm
LM567
2200µF
J6
C20
10µ
LM380
1N4148
1N4148
C23
10µ
NE5532
NE5532
J2
J3
BC847
BC847
BC847
10µ Tantal
C19
470µ
1N4148
2N5484
J5
J4
PGA2311
POT
POT
J1
ETAL_P1200



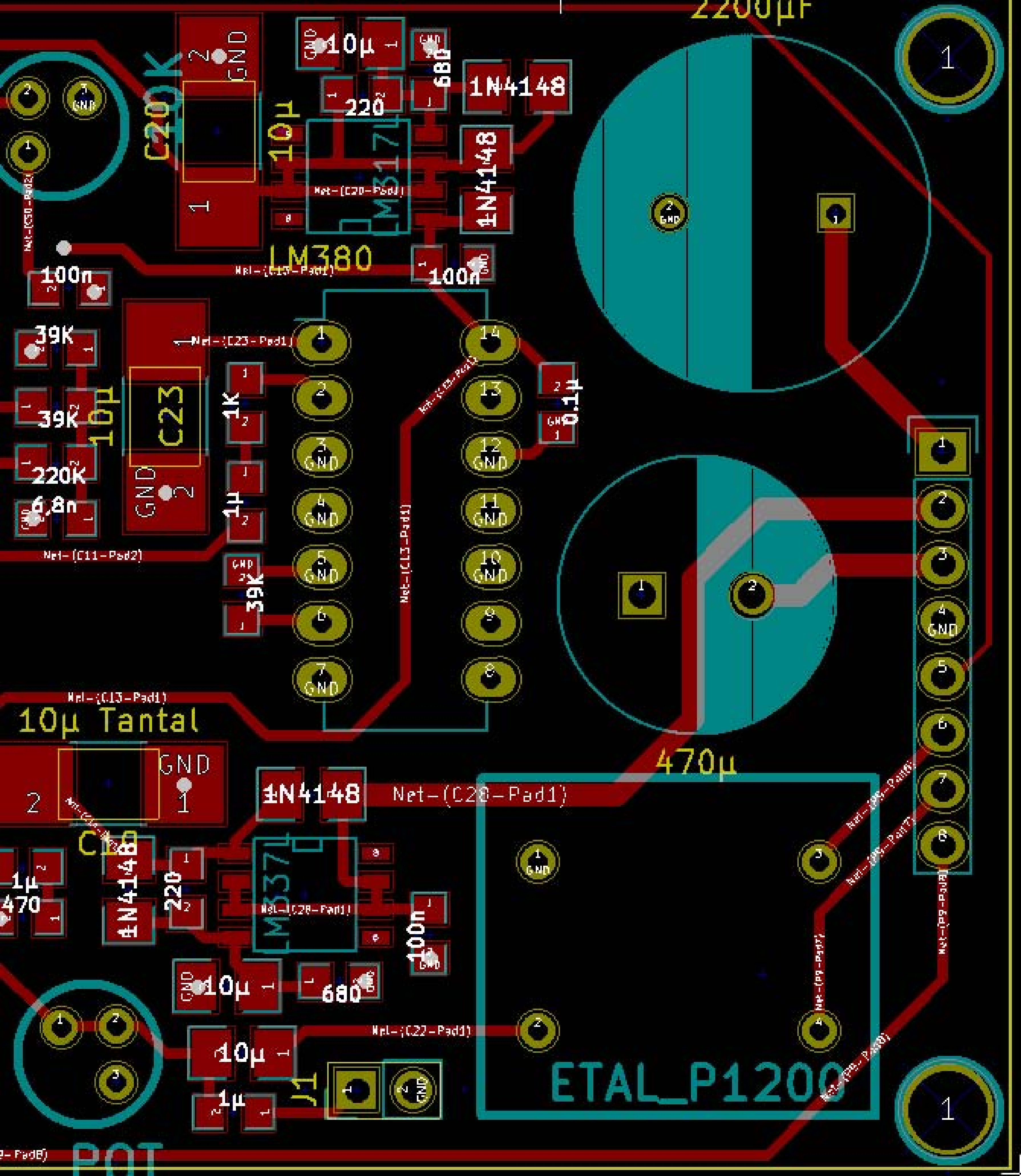
109,093 mm
53,023 mm
LM567
2200µF
J6
LM380
C20
10µ
C23
NE5532
NE5532
POT
J2
J3
BC847
BC847
BC847
10µ Tantal
C19
470µ
1N4148
2N5484
NE5532
PGA2311
J5
J4
J1
POT
ETAL_P1200

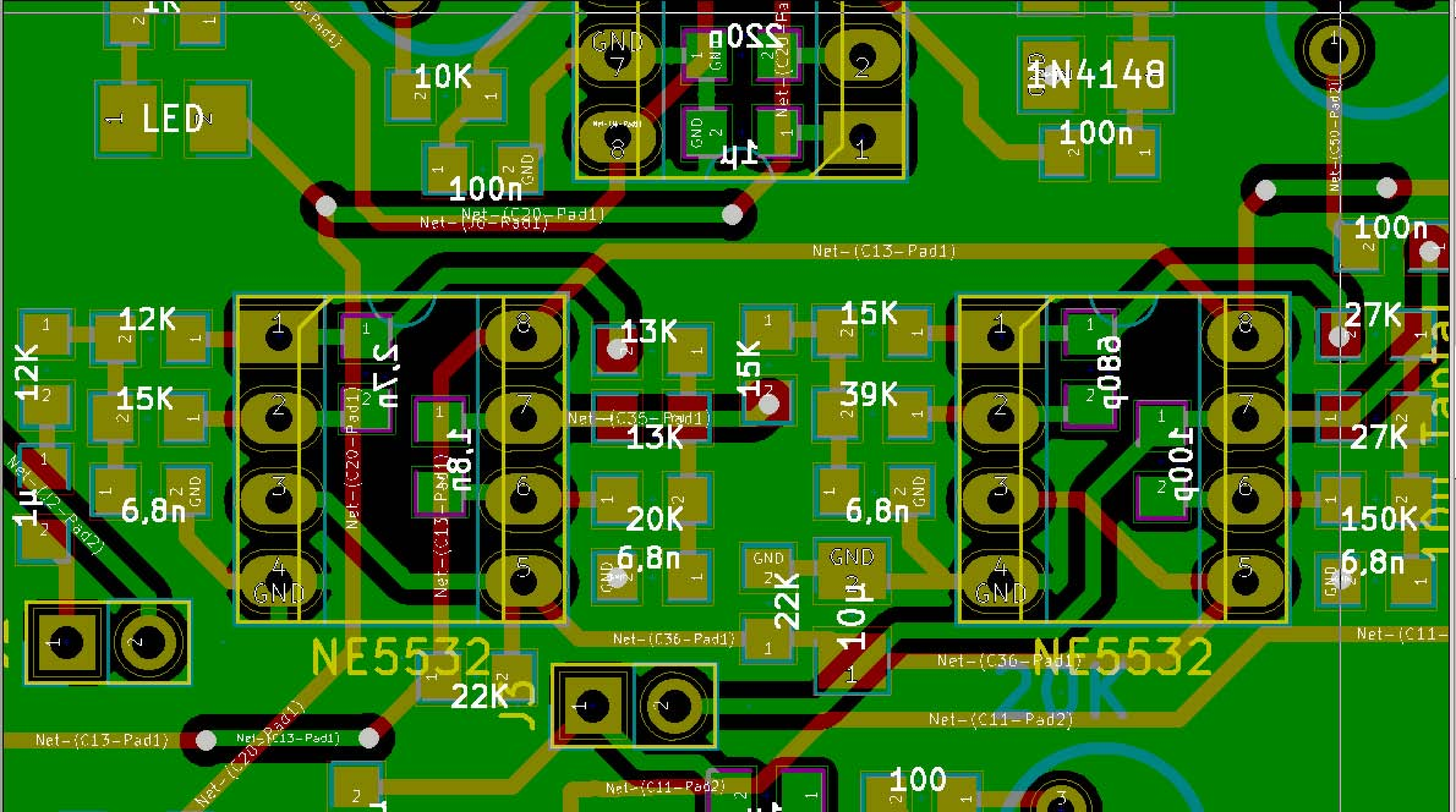

1K
3,3K
10K
10K
1µ
22K
01,µ
22K
1µ
1µ
1µ
10K
1K
1K
100n
2,7n
1,8n
0,1µ
10K
220n
2,2n
1µ
22K
22K
1K
1K
680p
100p

0.1µ
10K
220n
2,2n
680
100
FB
0.1µ
2,7
1µ
1K
22K
1K
22K



NE5532
NE5532
NE5532
PGA2311
BC847
BC847
BC847
2N5484
J2
J3
J4
J5
J6
LED
1N4148
10µ Tantal
C10
20K
Net-(C20-Pad1)
Net-(C13-Pad1)
Net-(C11-Pad2)
Net-(C36-Pad1)
Net-(C35-Pad1)
Net-(C14-Pad1)
Net-(R15-Pad1)
Net-(C17-Pad2)
Net-(U2-Pad2)
Net-(P9-Pad8)
Net-(C40-Pad1)


2200µF
10µ
680
220
1N4148
1N4148
1N4148
LM380
100n
100n
39K
39K
1K
0.1µ
220K
6,8n
1µ
C23
10µ Tantal
470µ
Net-(C28-Pad1)
1N4148
1N4148
220
1µ
470
100n
10µ
10µ
680
1µ
J1
ETAL_P1200
POT
GND



LED
10K
100n
1N4148
100n
Net-(C20-Pad1)
Net-(J6-Pad1)
Net-(C13-Pad1)
100n
12K
12K
15K
13K
15K
15K
27K
39K
Net-(C35-Pad1)
13K
27K
6,8n
20K
6,8n
150K
6,8n
6,8n
1µ
GND
22K
10µ
NE5532
NE5532
Net-(C36-Pad1)
Net-(C36-Pad1)
22K
Net-(C13-Pad1)
Net-(C13-Pad1)
Net-(C11-Pad2)
Net-(C11-Pad2)
100

Iowa Hills OpAmp Filter Designer Version 2.4 Z:\ ... Iowahills-OPfilter\2.2kHz_Tiefpass.ih_opamp

File Circuit Response F5 Sweep F7 Parts Plot Options Help

Mag 1 dB
Mag 10 dB
Phase
Group Delay
Sq Pulse

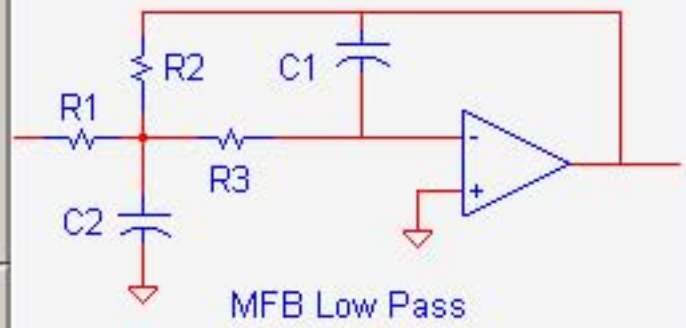
Set Ref
Plot Ref
Exhange Ref

Polynomial Arguments
8 N Poles
0.200 Ripple
0.00 Adj Gauss

Tolerances
C 10% R 5%
Exact R
Standard R
Worst Case

Ideal Op Amp
BW 10.0 MHz
Ro 10.0 Ω
Calc

2.200 F0 (kHz)
2.000 BW (kHz)
0.000 Sect Gain (dB)



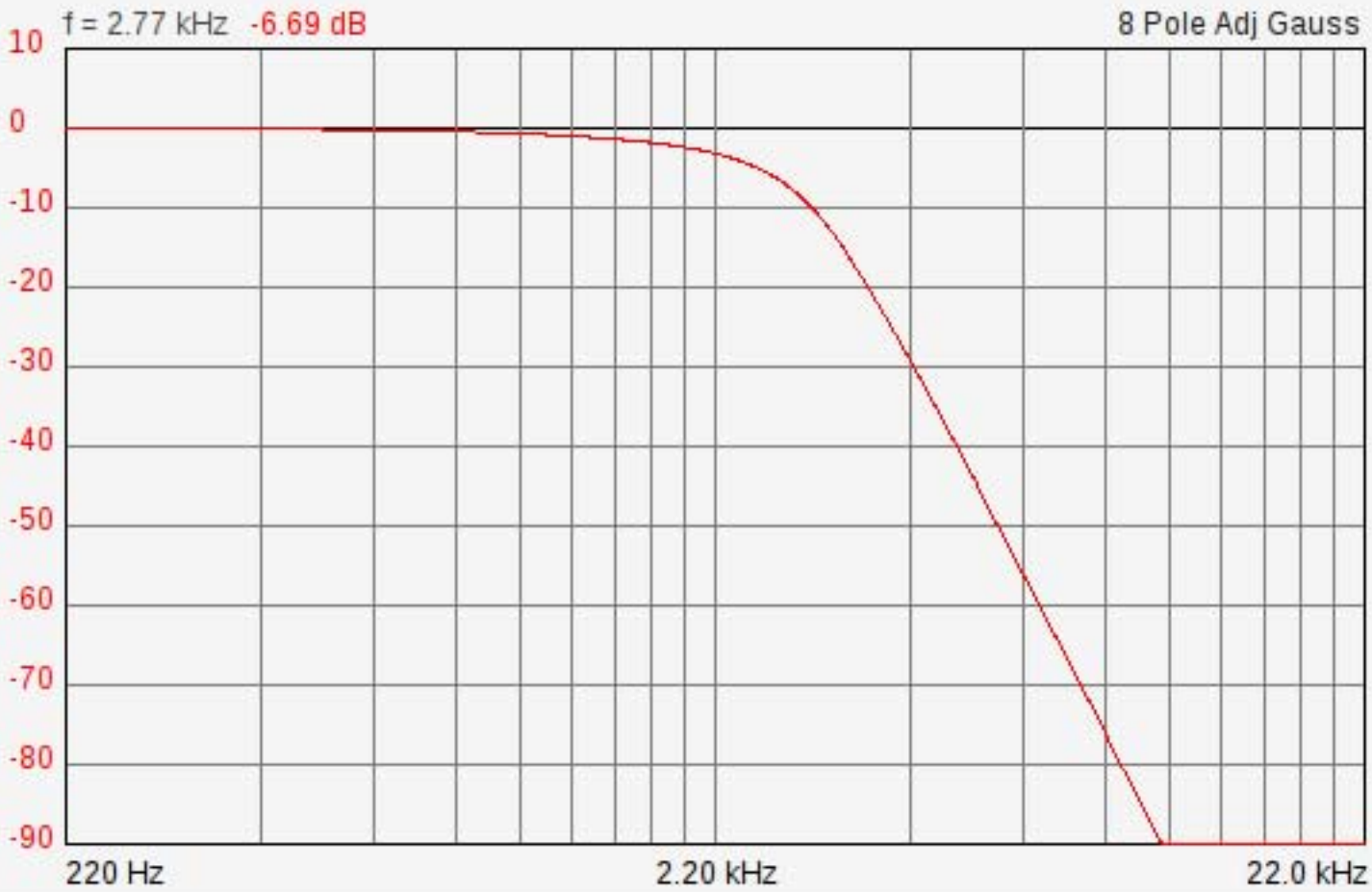
Adj with F1 F2 or Arrows
0 Section
2.70 nF C1
Set < 3.28 nF
6.80 nF C2
~ 4.70 nF

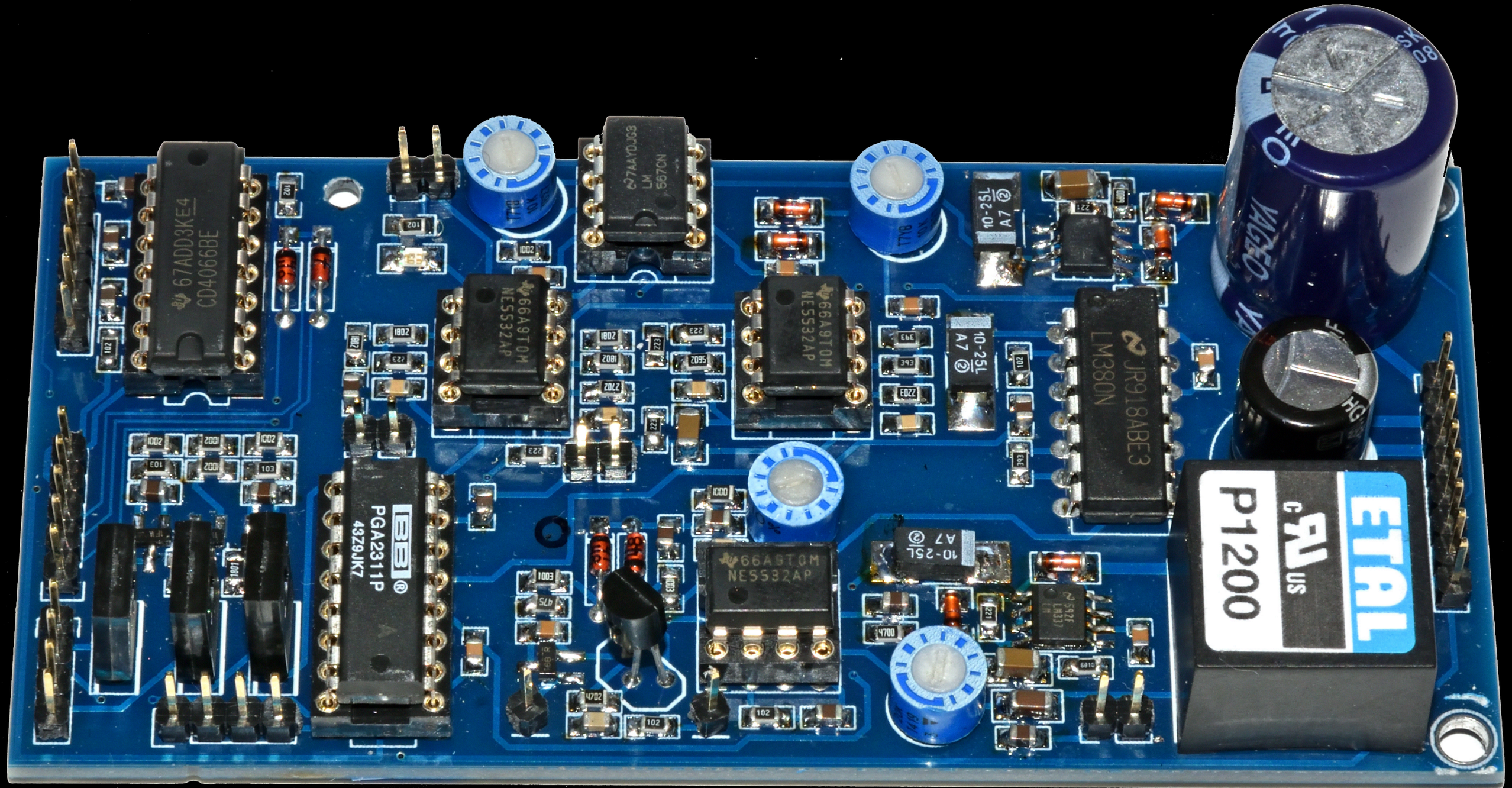
Section 0
R1 = 12.0 kΩ
R2 = 12.0 kΩ
R3 = 15.0 kΩ
C1 = 2.70 nF
C2 = 6.80 nF

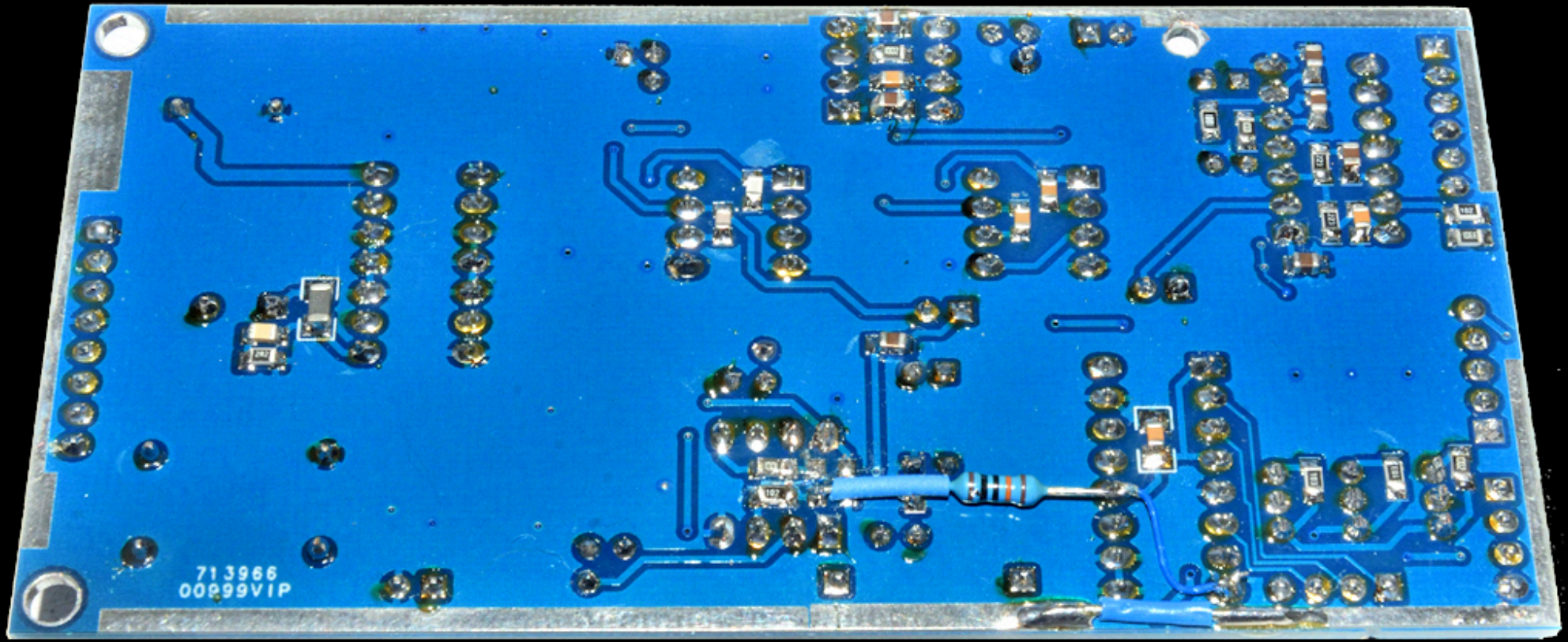
Section 1
R1 = 13.0 kΩ
R2 = 13.0 kΩ
R3 = 20.0 kΩ
C1 = 1.80 nF
C2 = 6.80 nF

Section 2
R1 = 15.0 kΩ
R2 = 15.0 kΩ
R3 = 39.0 kΩ
C1 = 680 pF
C2 = 6.80 nF

Section 3
R1 = 27.0 kΩ
R2 = 27.0 kΩ
R3 = 150 kΩ
C1 = 100 pF
C2 = 6.80 nF




67ADD3KE4
CD4066BE
66A9T0M
NE5532AP
66A9T0M
NE5532AP
66A8T0M
NE5532AP
JR918ABE3
LM380N
PGA2311P
4329JK7
10-25L
A7
ETAL
P1200


713966
00099VIP