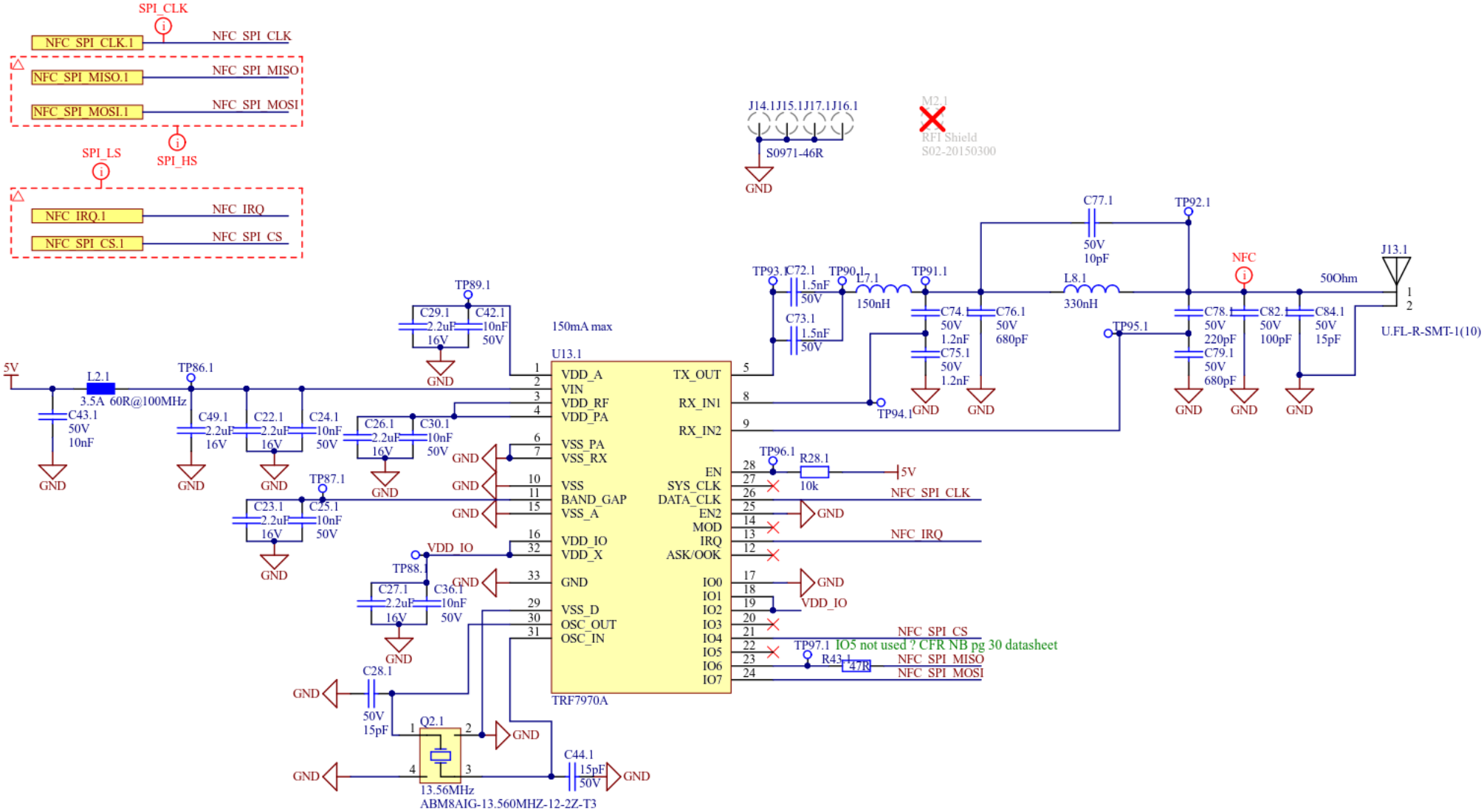
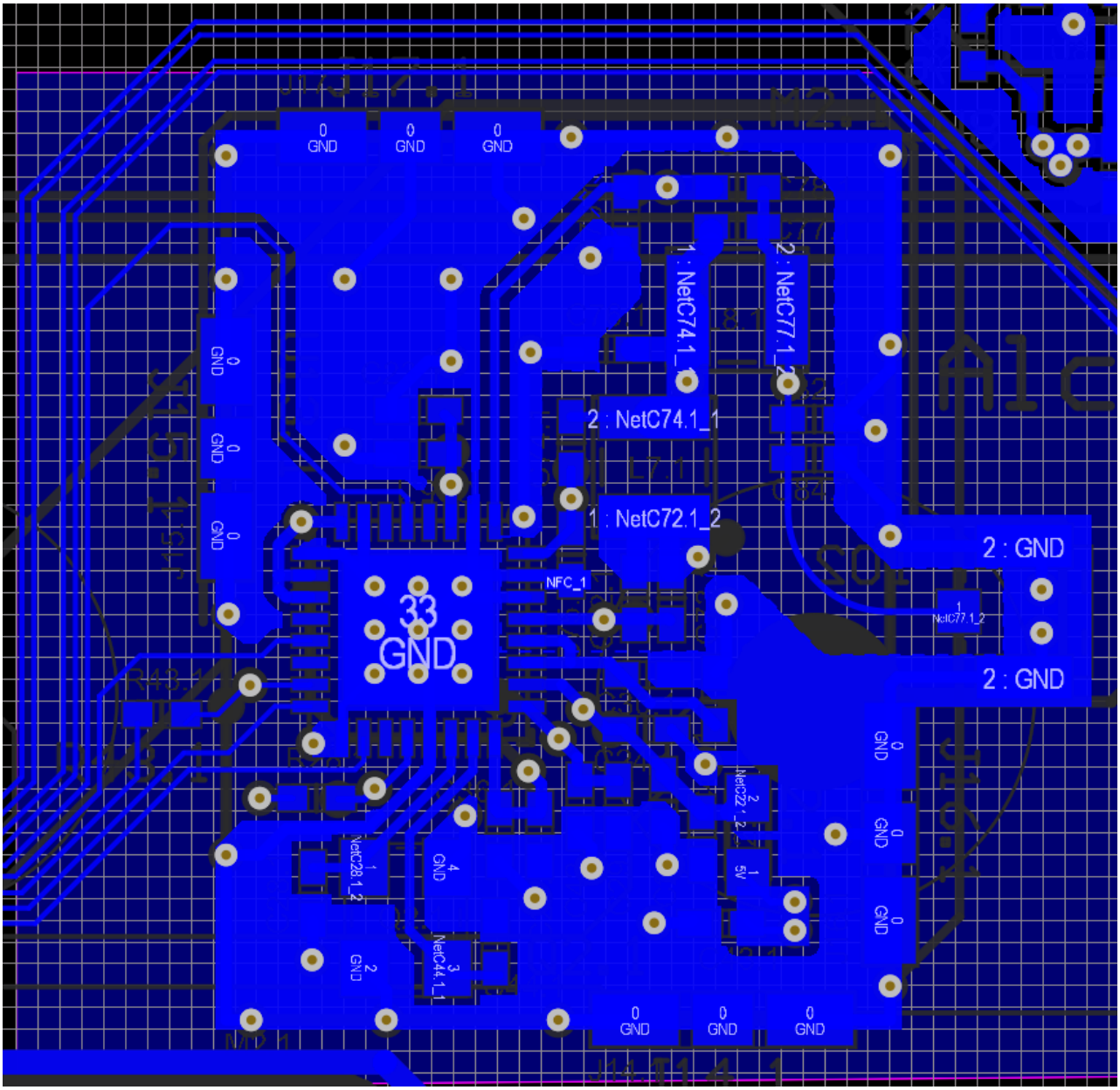
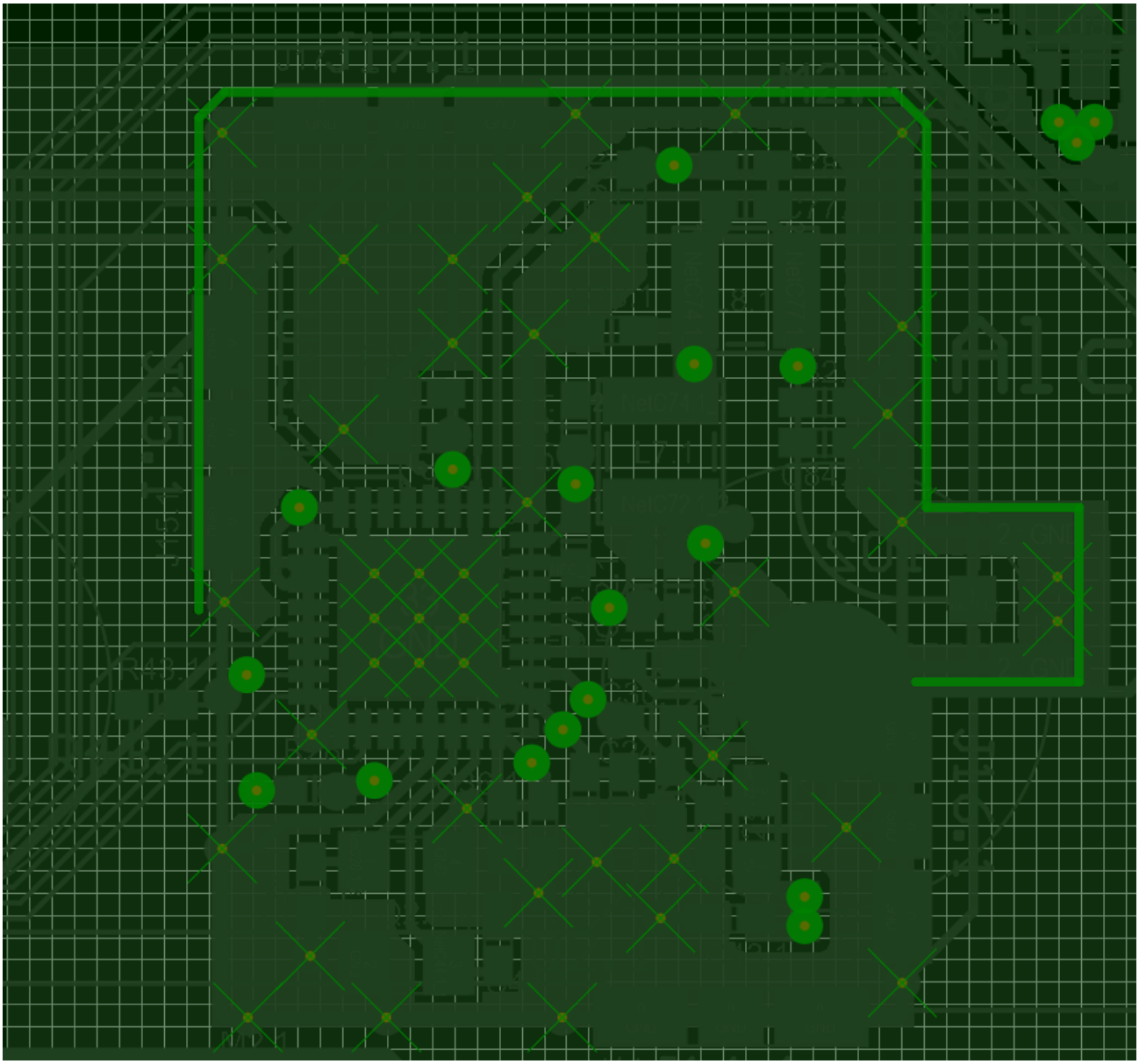

SPI_CLK
NFC_SPI_CLK.1
NFC_SPI_CLK
NFC_SPI_MISO.1
NFC_SPI_MISO
NFC_SPI_MOSI.1
NFC_SPI_MOSI
SPI_LS
SPI_HS
NFC_IRQ.1
NFC_IRQ
NFC_SPI_CS.1
NFC_SPI_CS
J14.1J15.1J17.1J16.1
S0971-46R
GND
M2.1
RFI Shield
S02-20150300
C77.1
50V
10pF
TP92.1
NFC
J13.1
50Ohm
U.FL-R-SMT-1(10)
TP93.1
C72.1
1.5nF
50V
TP90.1
L7.1
150nH
TP91.1
L8.1
330nH
C73.1
1.5nF
50V
C74.1
50V
1.2nF
C75.1
50V
1.2nF
C76.1
50V
680pF
TP95.1
C78.1
50V
220pF
C79.1
50V
680pF
C82.1
50V
100pF
C84.1
50V
15pF
TP94.1
TP89.1
C29.1
2.2uF
16V
C42.1
10nF
50V
150mA max
U13.1
5V
L2.1
3.5A 60R@100MHz
TP86.1
C43.1
50V
10nF
C49.1
2.2uF
16V
C22.1
2.2uF
16V
C24.1
10nF
50V
C26.1
2.2uF
16V
C30.1
10nF
50V
TP87.1
C23.1
2.2uF
16V
C25.1
10nF
50V
VDD_IO
TP88.1
C27.1
2.2uF
16V
C36.1
10nF
50V
C28.1
50V
15pF
Q2.1
13.56MHz
ABM8AIG-13.560MHZ-12-2Z-T3
C44.1
15pF
50V
VDD_A
VIN
VDD_RF
VDD_PA
VSS_PA
VSS_RX
VSS
BAND_GAP
VSS_A
VDD_IO
VDD_X
GND
VSS_D
OSC_OUT
OSC_IN
TX_OUT
RX_IN1
RX_IN2
EN
SYS_CLK
DATA_CLK
EN2
MOD
IRQ
ASK/OOK
IO0
IO1
IO2
IO3
IO4
IO5
IO6
IO7
TRF7970A
TP96.1
R28.1
10k
5V
NFC_SPI_CLK
NFC_IRQ
TP97.1 IO5 not used ? CFR NB pg 30 datasheet
R43.1
47R
NFC_SPI_CS
NFC_SPI_MISO
NFC_SPI_MOSI

Layout same for all 4 NFC’s except SPI, CS and IRQ trace-out, as well as opposite layer routing.

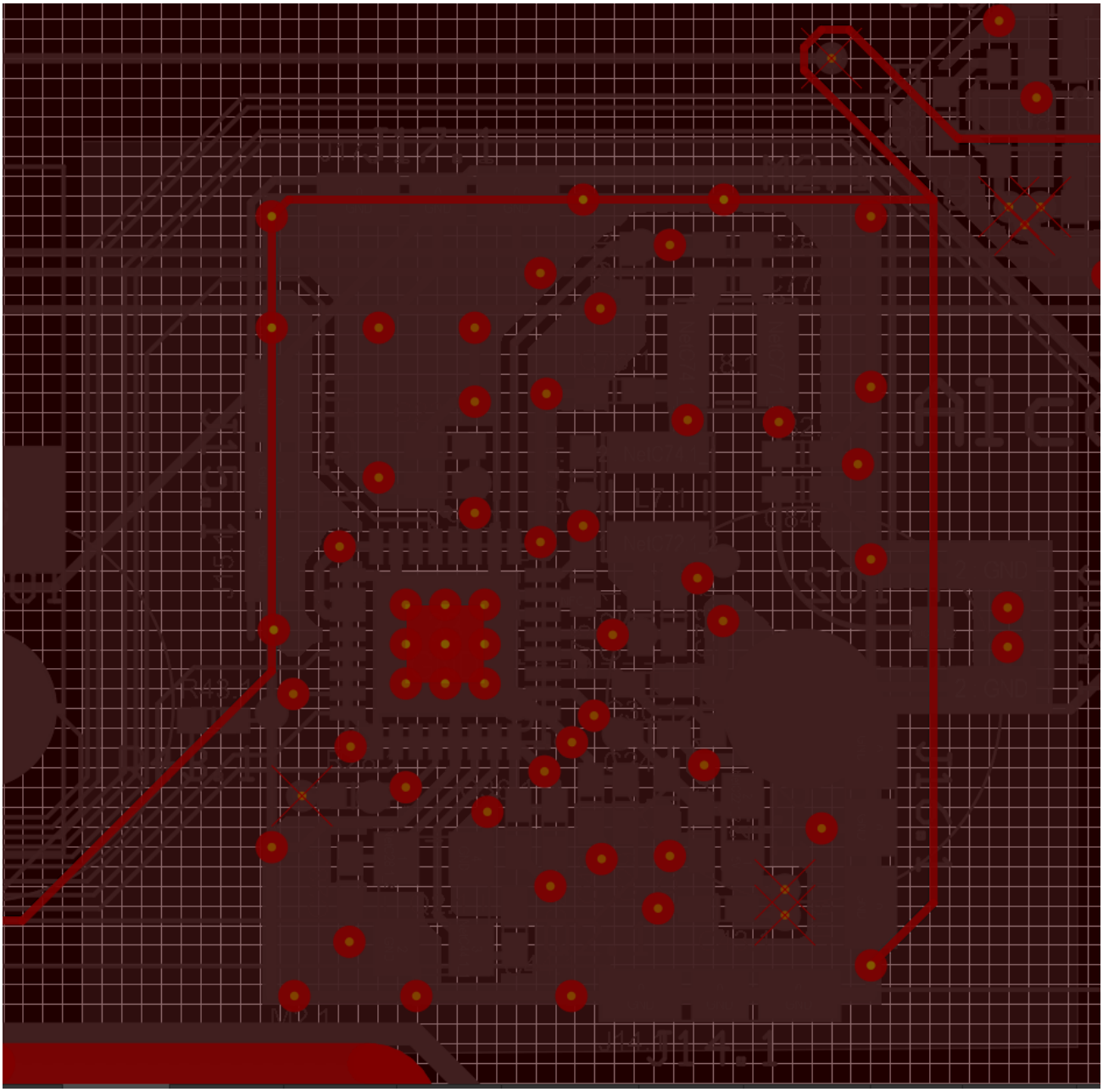
Bottom Layer



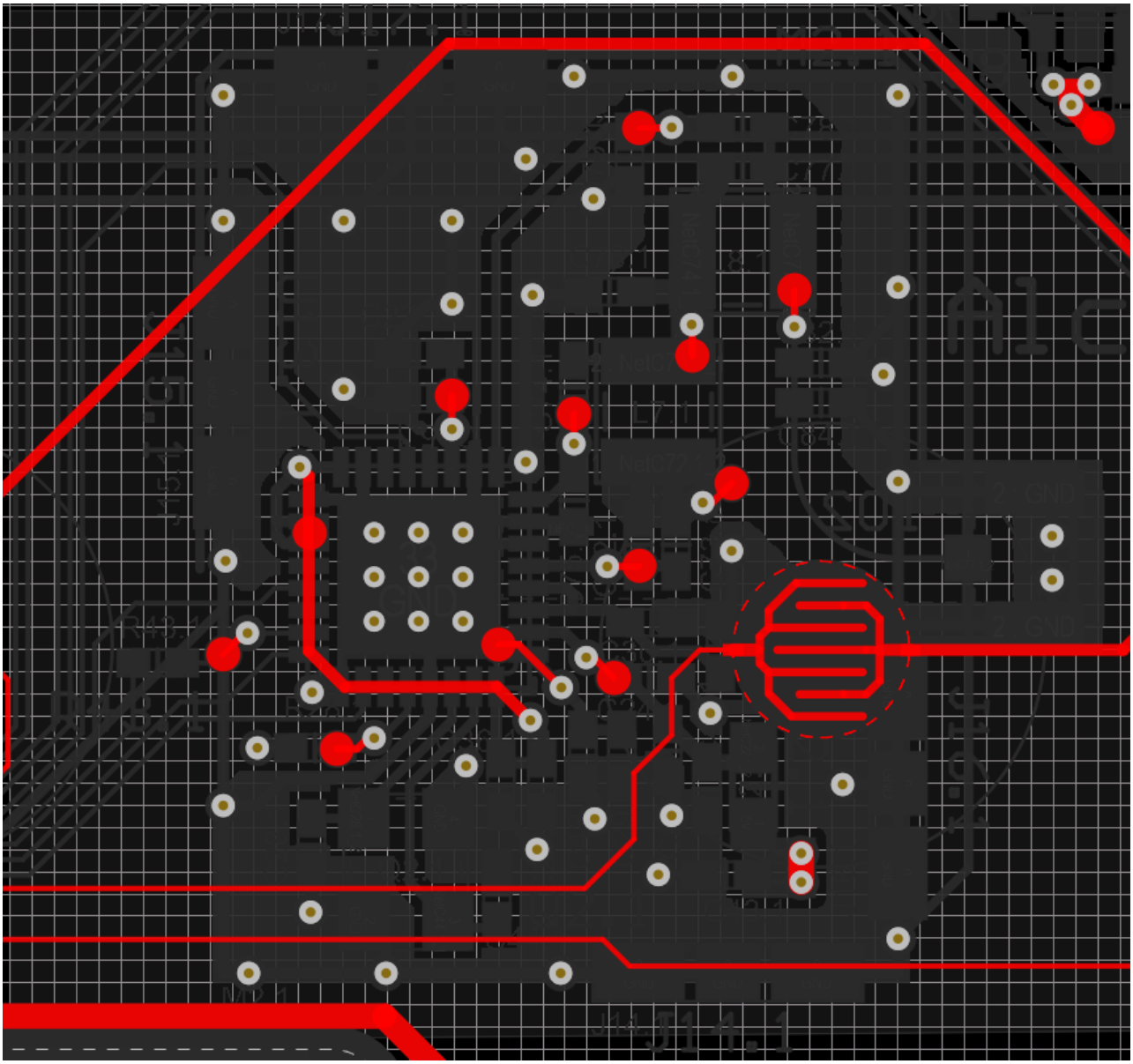
GroundPlane (below bottom)



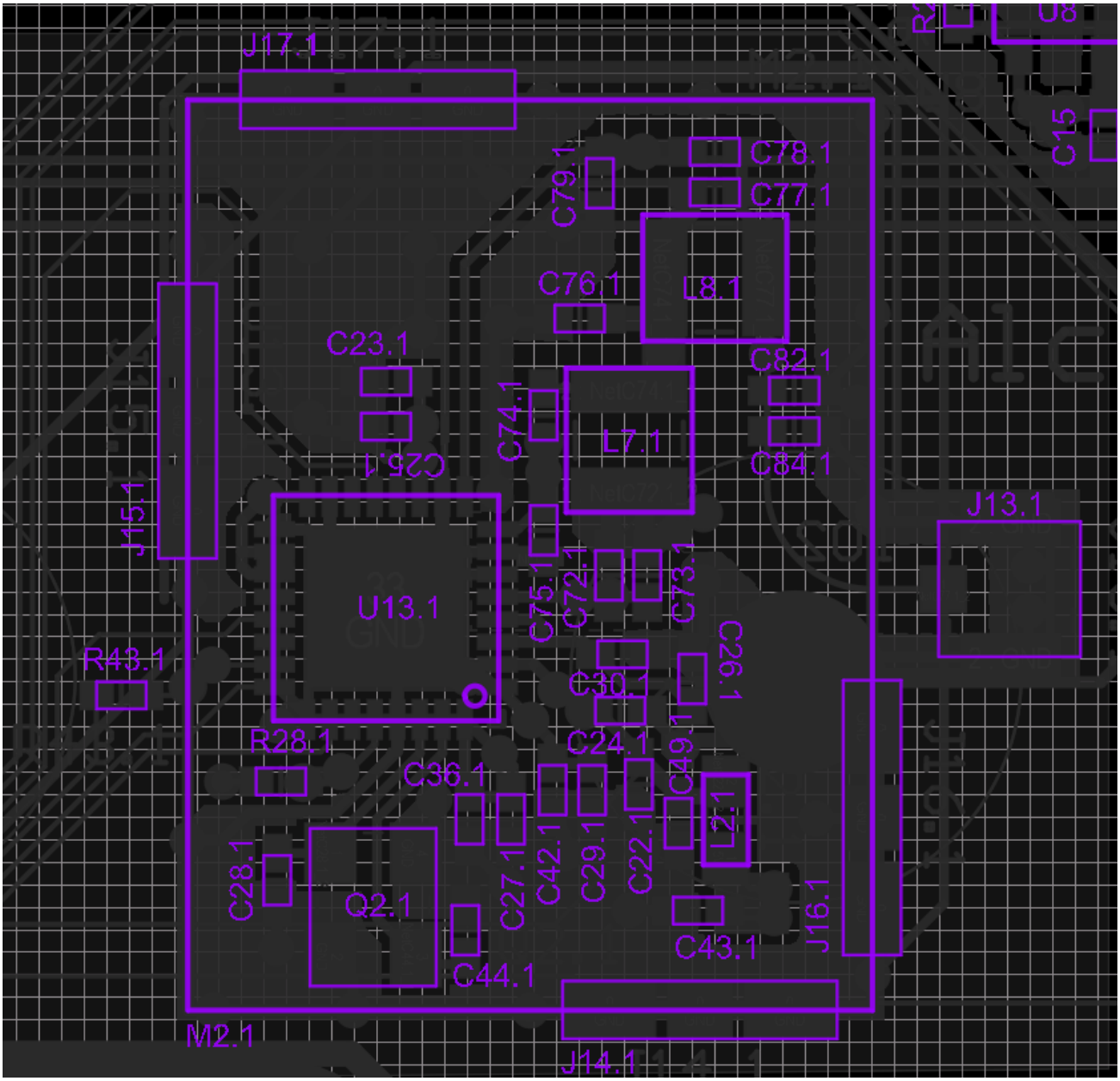
PowerPlane (below TOP)



TOP layer



Assembly


J17.1
C78.1
C77.1
C79.1
C76.1
L8.1
C23.1
C82.1
C74.1
L7.1
C26.1
C84.1
J15.1
J13.1
U13.1
C75.1
C72.1
C73.1
C26.1
R43.1
C30.1
R28.1
C24.1
C49.1
C36.1
L2.1
C28.1
C27.1
C42.1
C29.1
C22.1
Q2.1
J16.1
C43.1
C44.1
M2.1
J14.1