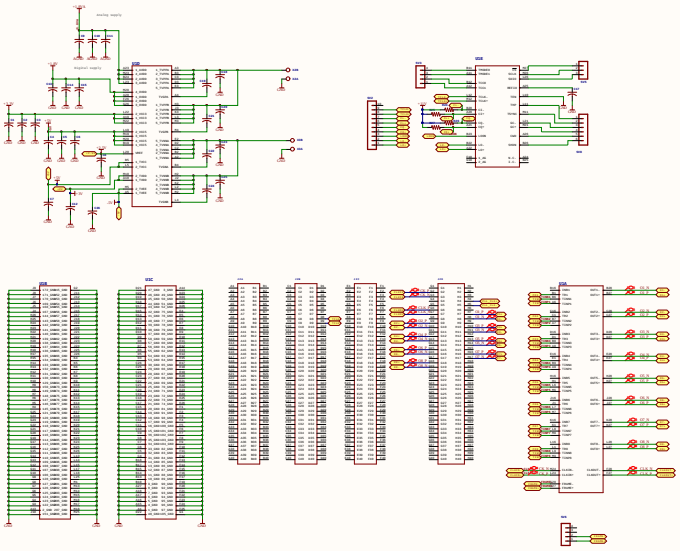
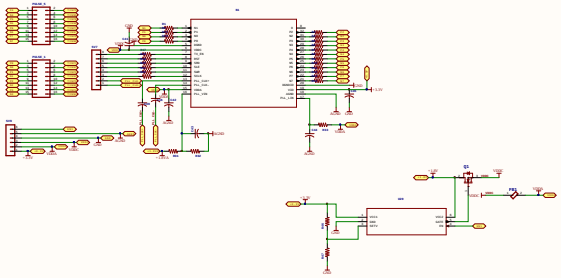
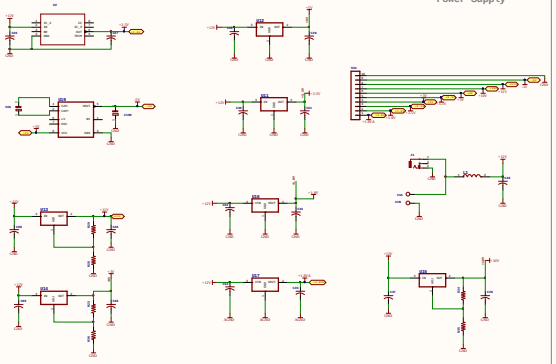
MAX2082 Transceiver Circuit



TX Beamformer Circuit

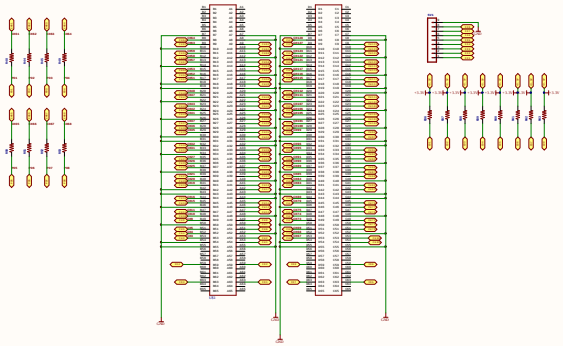


Power Supply

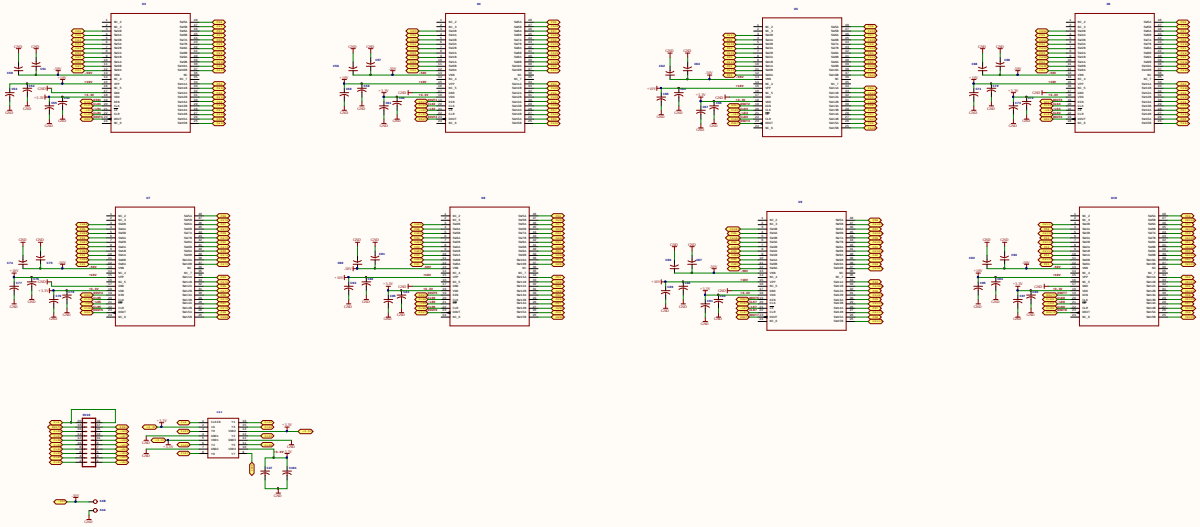


Probe connector

Do not populate(DNP) the resistors

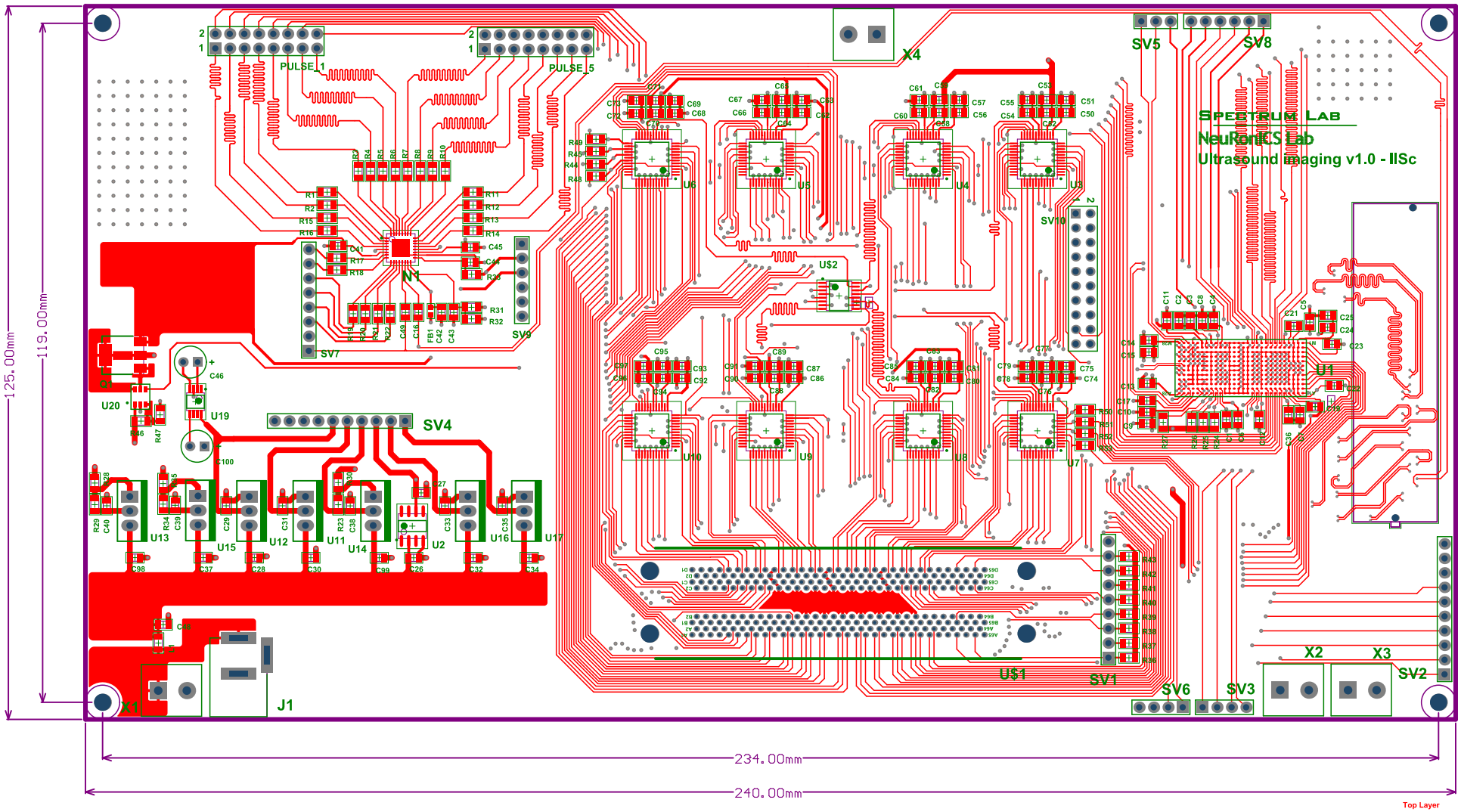


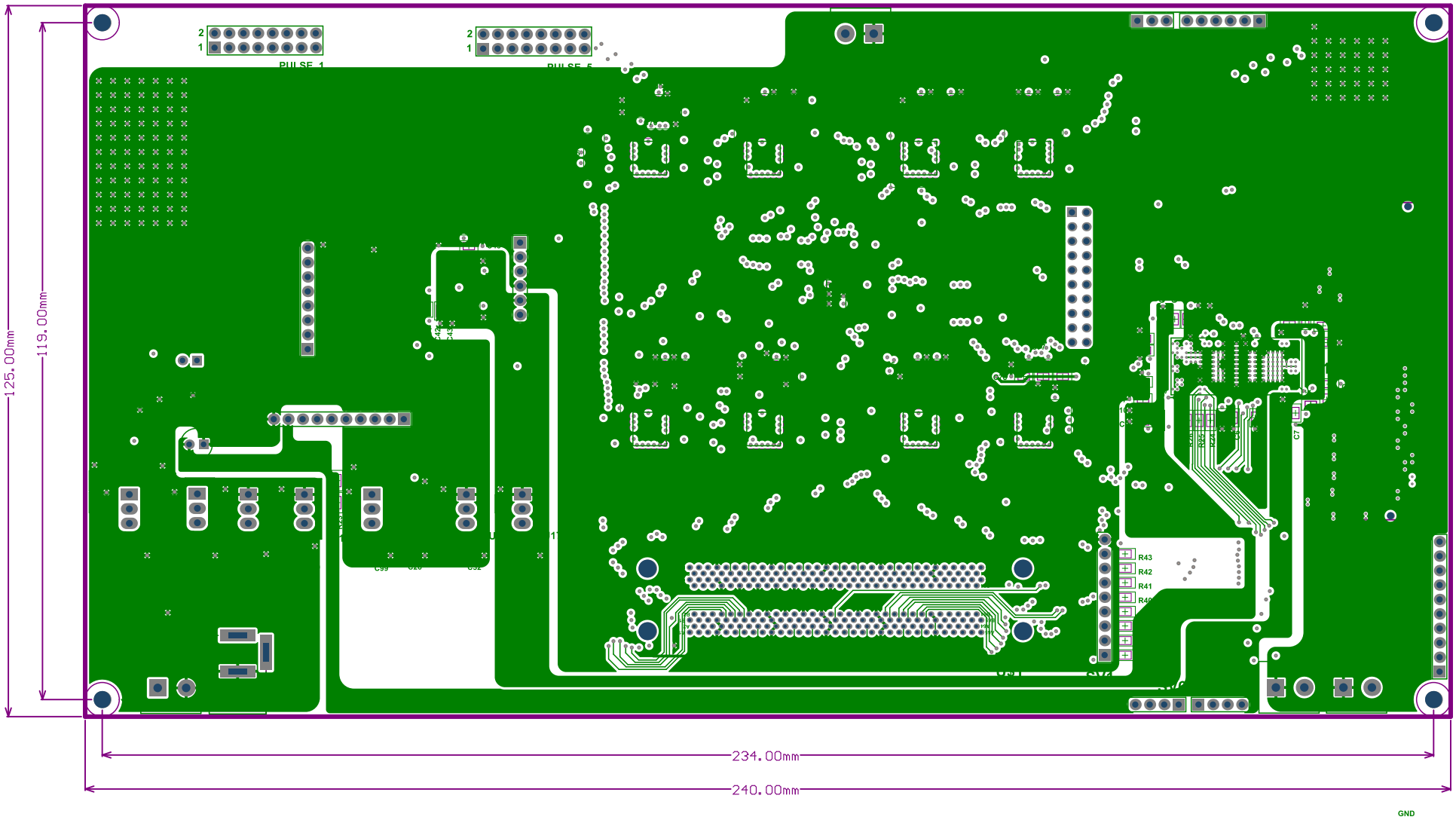
Dynamic routing circuit

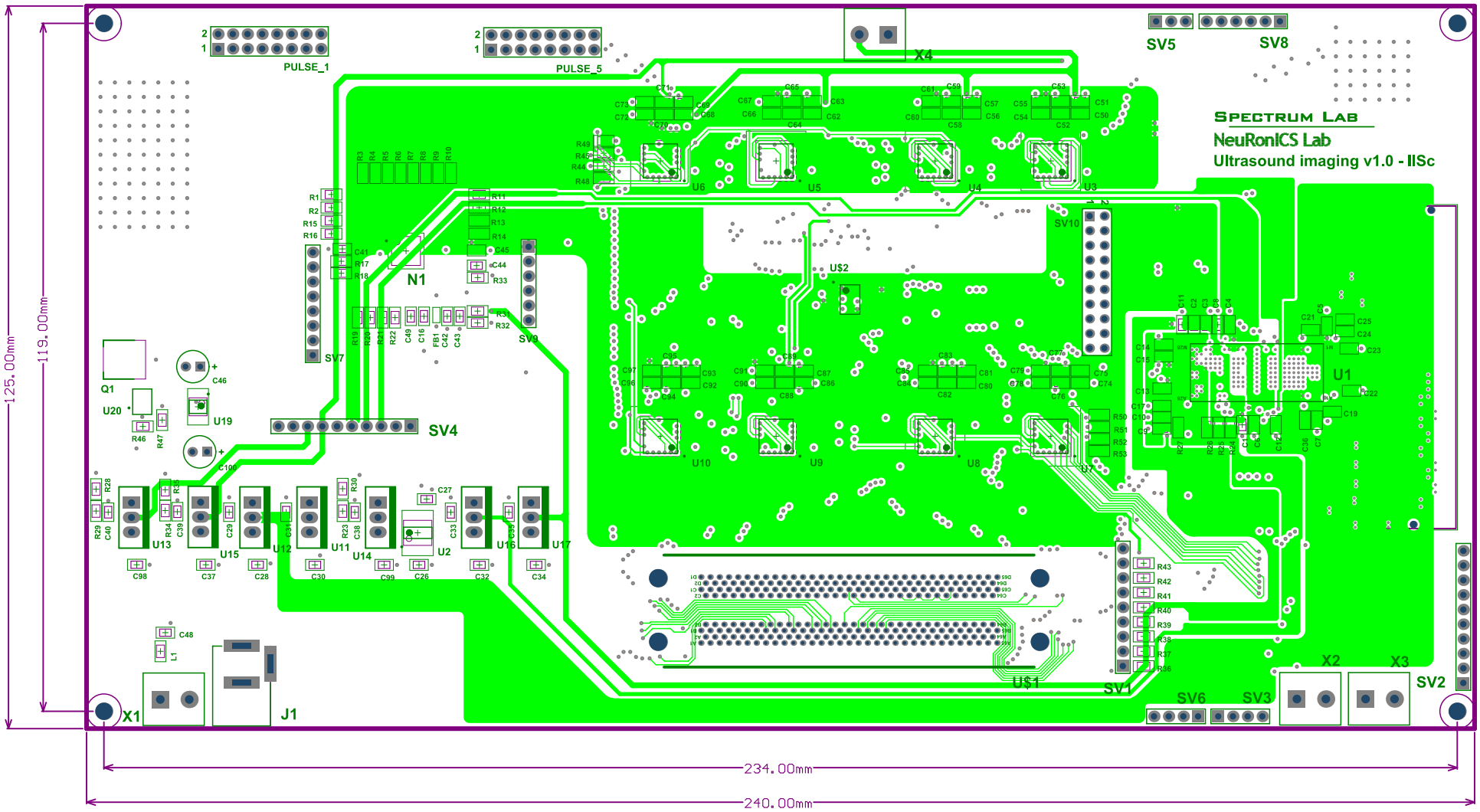


Ultrasound Imaging - v1.0

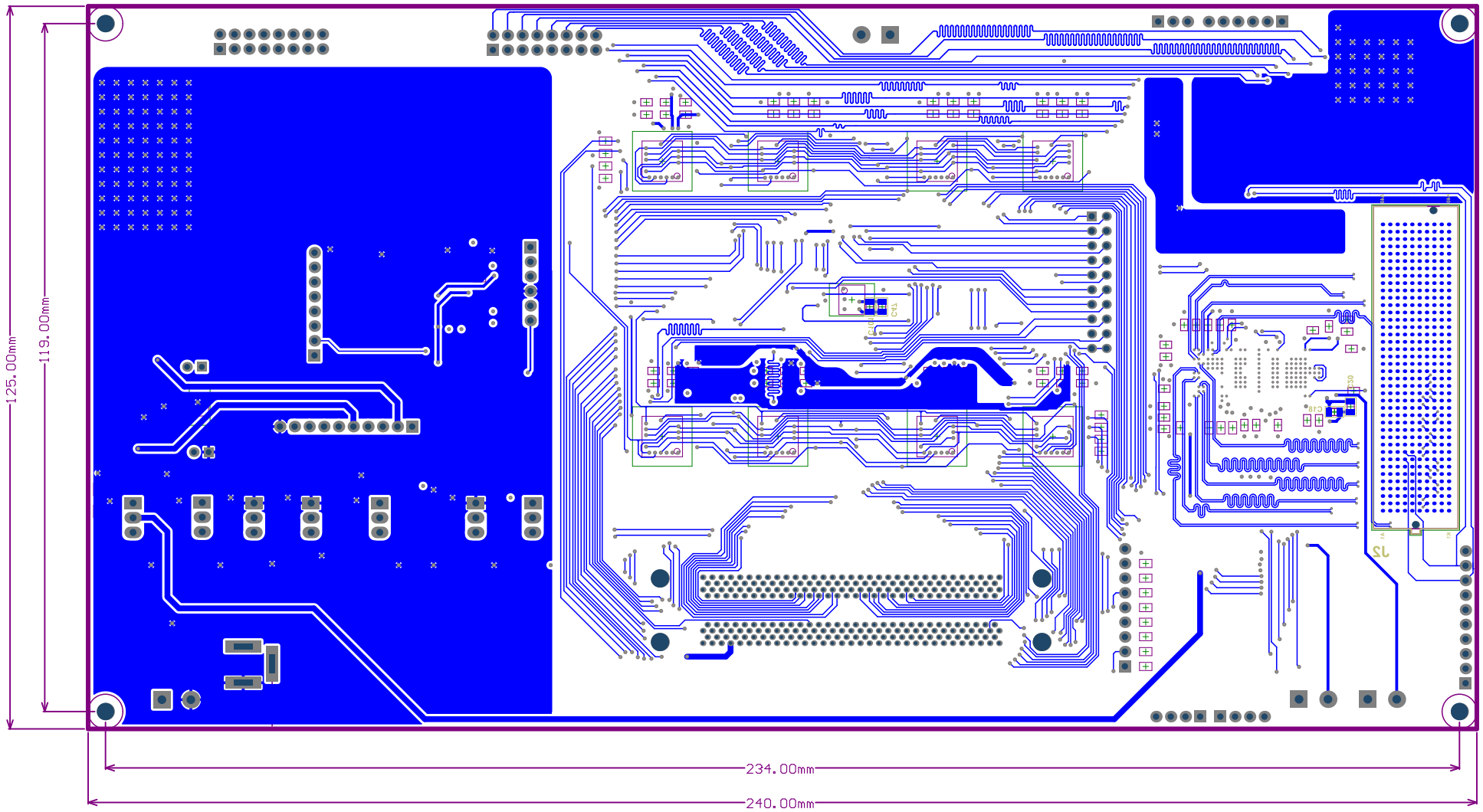
Indian Institute of Science


SPECTRUM LAB
NeuRonICS Lab
Ultrasound imaging v1.0 - IISc
PULSE_1
PULSE_5
X4
SV5
SV8
SV10
SV9
SV7
SV4
N1
U$2
U$1
SV1
SV6
SV3
SV2
X2
X3
X1
J1
U20
U19
U13
U15
U12
U11
U14
U2
U16
U17
U6
U5
U4
U3
U10
U9
U8
U7
U1
125.00mm
119.00mm
234.00mm
240.00mm
Top Layer


PULSE_1
PULSE_5
R43
R42
R41
125.00mm
119.00mm
234.00mm
240.00mm
GND


SPECTRUM LAB
NeuRonICS Lab
Ultrasound imaging v1.0 - IISc
PULSE_1
PULSE_5
X4
SV5
SV8
SV10
N1
SV7
SV9
SV4
Q1
U20
U19
U1
U2
U3
U4
U5
U6
U7
U8
U9
U10
U11
U12
U13
U14
U15
U16
U17
U$1
U$2
SV1
SV6
SV3
X2
X3
SV2
X1
J1
125.00mm
119.00mm
234.00mm
240.00mm

PWR


125.00mm
119.00mm
234.00mm
240.00mm
J2
C41
C42
C43
C44
C45
C46
C47
C48
C49
C50
C51
C52
C53
C54
C55
C56
C57
C58
C59
C60
C61
C62
C63
C64
C65
C66
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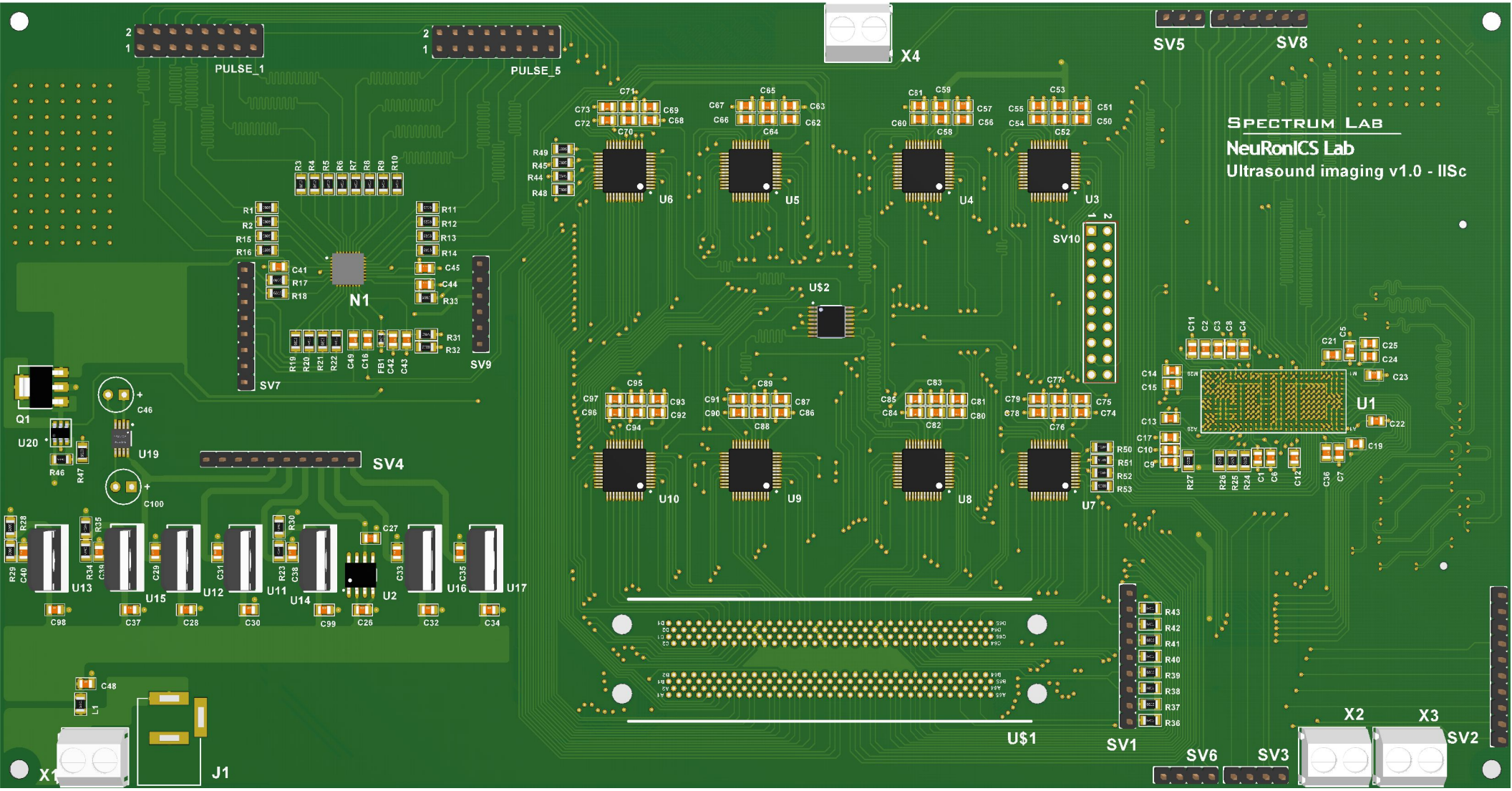
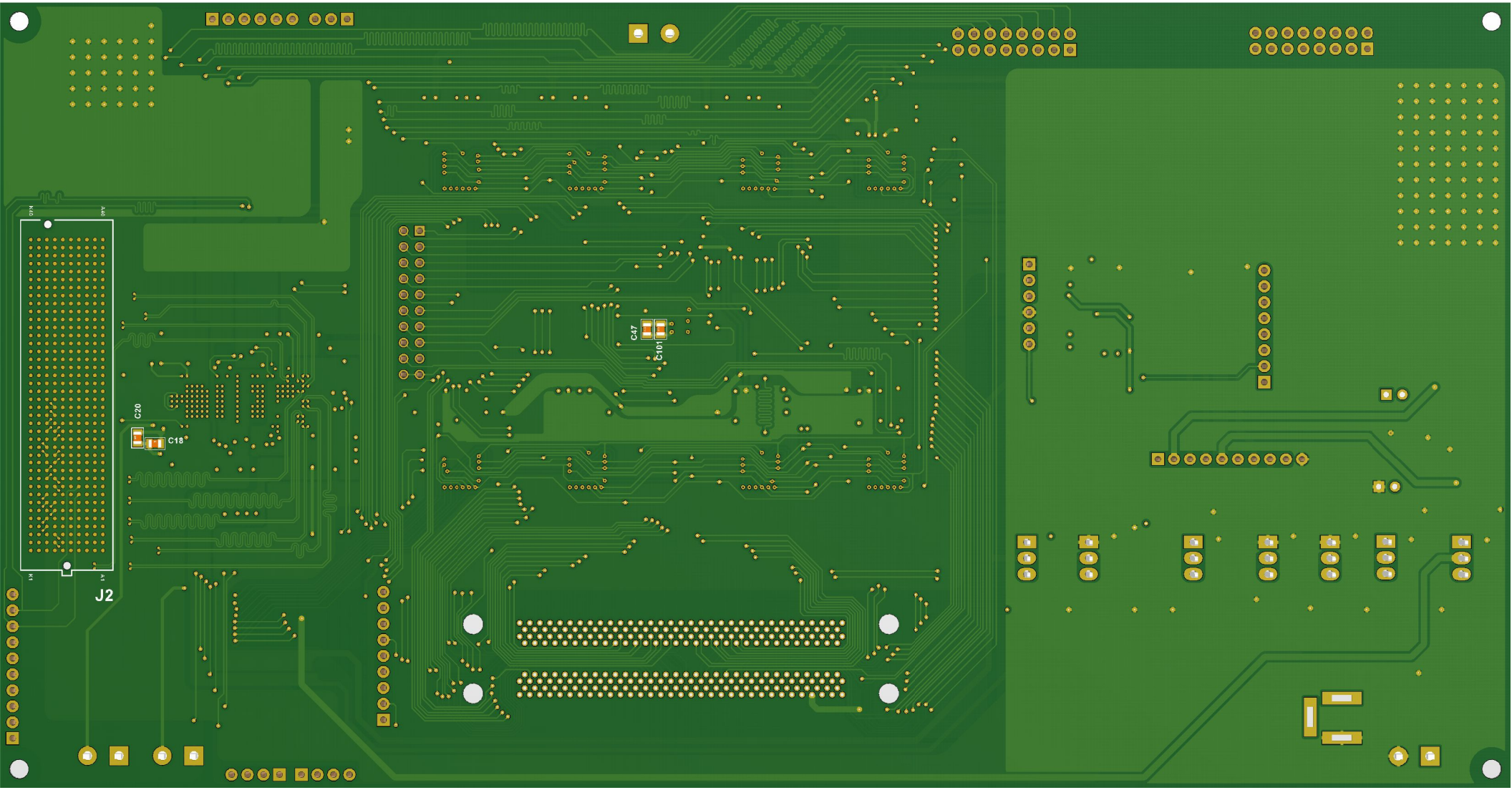
C73
C74
C75
C76
C77
C78
C79
C80


SPECTRUM LAB
NeuRonICS Lab
Ultrasound imaging v1.0 - IISc
PULSE_1
PULSE_5
X4
SV5
SV8
U6
U5
U4
U3
SV10
U$2
N1
SV7
SV9
Q1
U20
U19
SV4
U10
U9
U8
U7
U1
U13
U15
U12
U11
U14
U2
U16
U17
U$1
SV1
SV6
SV3
X2
X3
SV2
X1
J1


J2
C20
C18
C47
C101