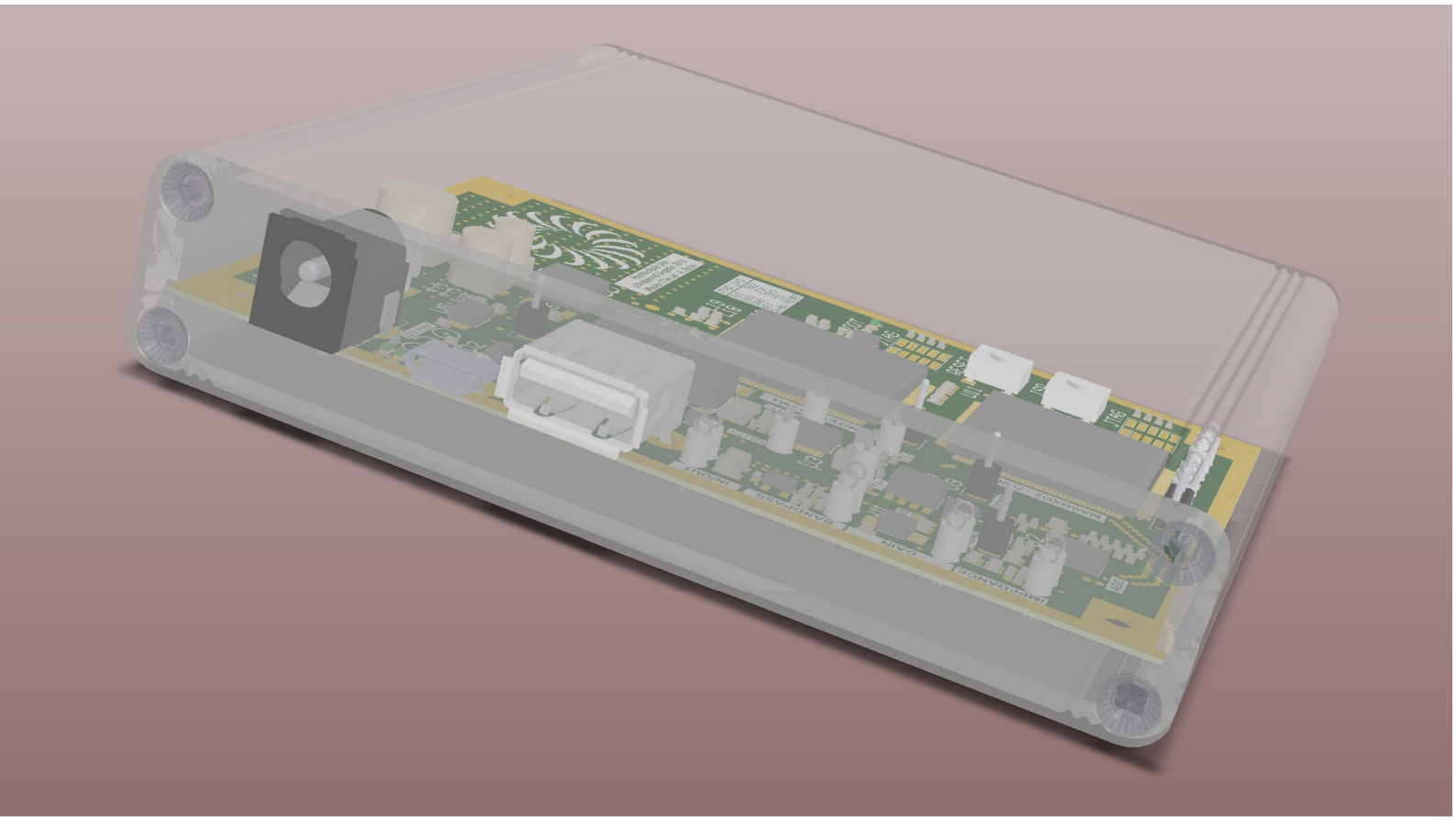
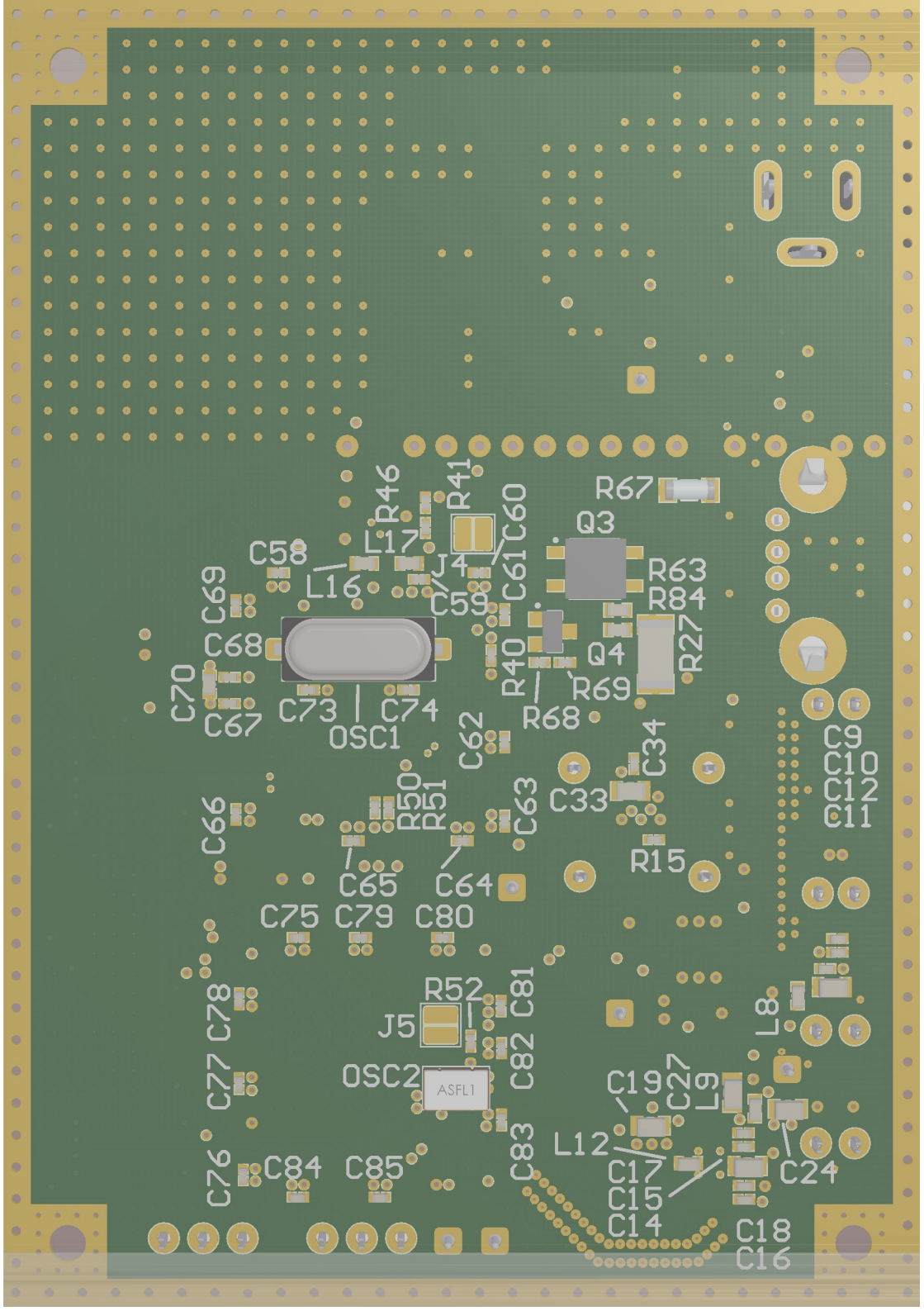
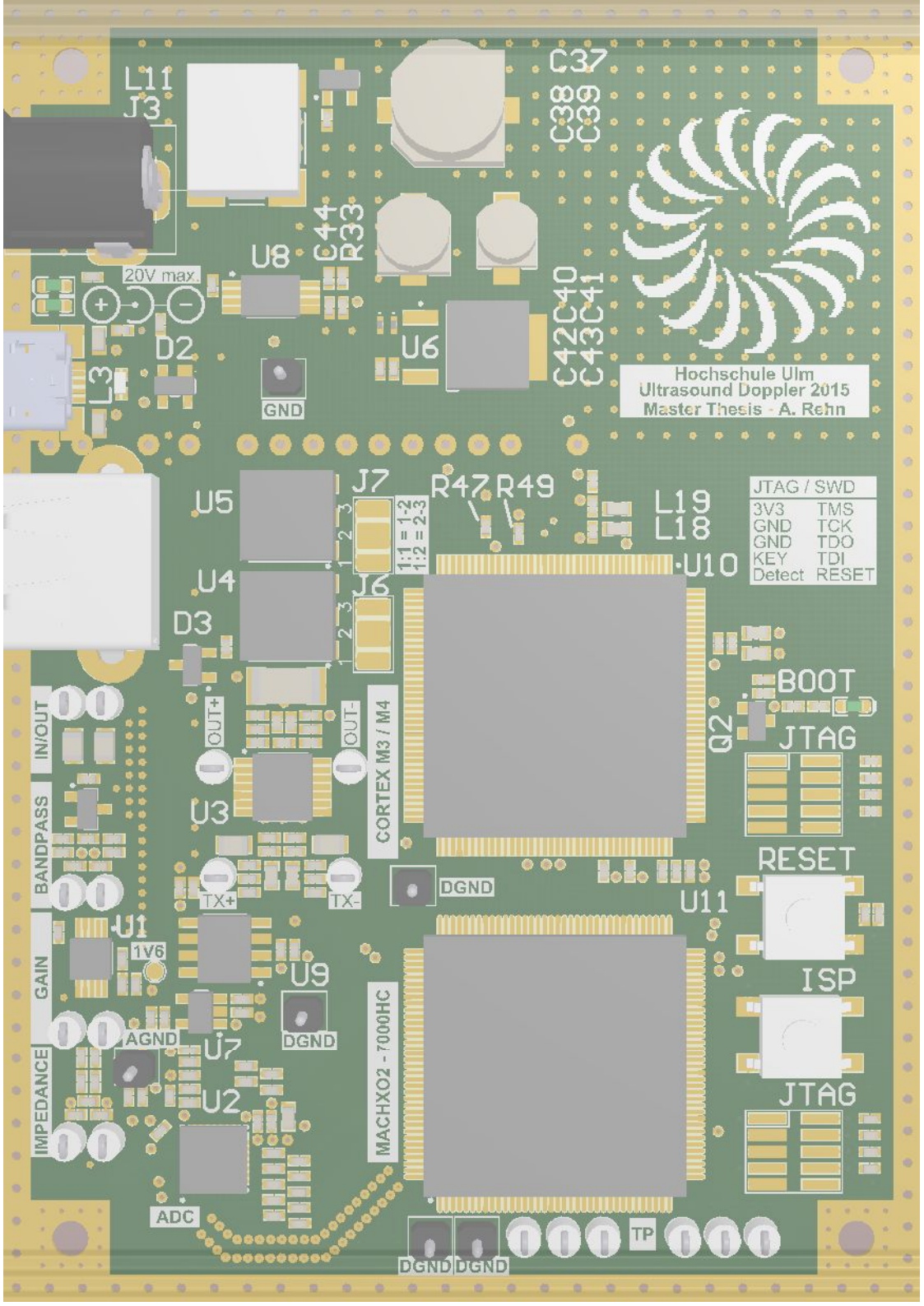
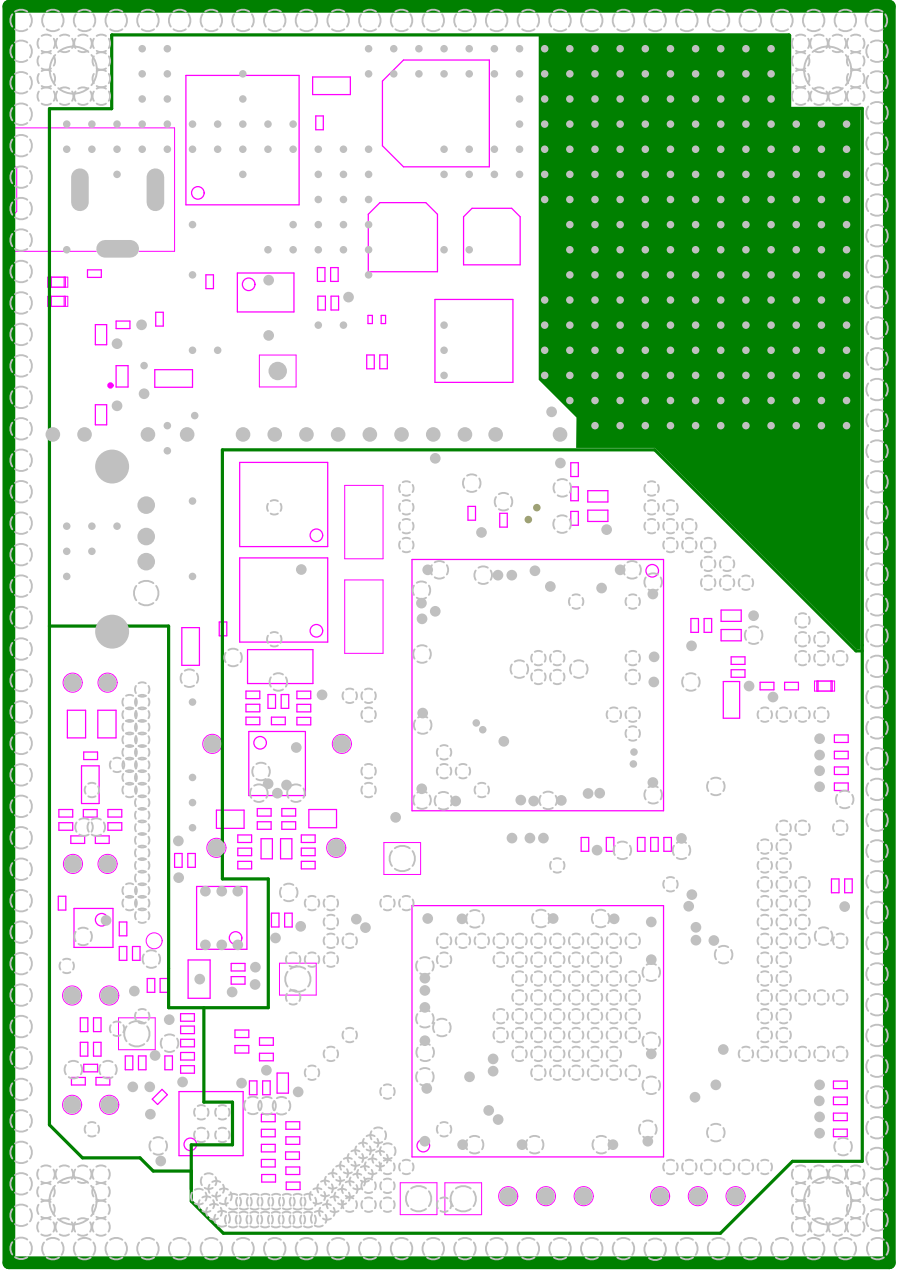
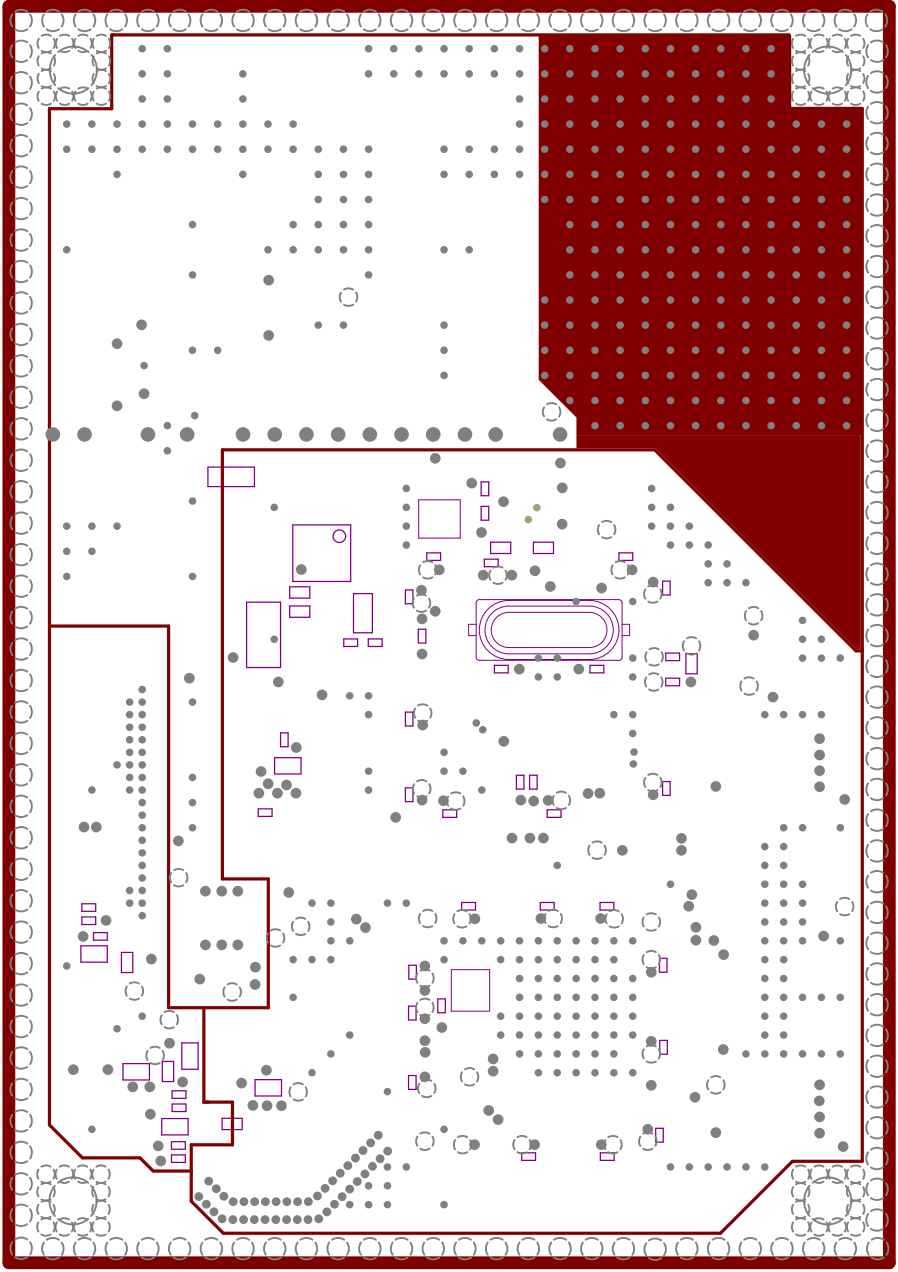



R46
R41
C60
R67
Q3
C58
L17
J4
C61
R63
L16
C59
R84
C69
C68
R40
Q4
R27
C70
R69
C73
C74
R68
C67
OSC1
C62
C34
C9
C10
C12
C11
C33
R50
R51
C63
C66
R15
C65
C64
C75
C79
C80
R52
C81
C78
J5
L8
C82
OSC2
ASFL1
C19
C27
L9
C77
L12
C83
C17
C24
C76
C84
C85
C15
C14
C18
C16


L11
J3
C37
C38
C39
C44
R33
U8
20V max.
D2
L3
GND
U6
C40
C41
C42
C43
Hochschule Ulm
Ultrasound Doppler 2015
Master Thesis - A. Rehn
U5
J7
R47
R49
L19
L18
JTAG / SWD
3V3 TMS
GND TCK
GND TDO
KEY TDI
Detect RESET
1:1 = 1-2
1:2 = 2-3
U10
U4
J6
D3
BOOT
Q2
JTAG
IN/OUT
OUT+
OUT-
CORTEX M3 / M4
U3
BANDPASS
TX+
TX-
DGND
RESET
U11
U1
1V6
U9
GAIN
AGND
U7
DGND
ISP
IMPEDANCE
U2
MACHXO2 - 7000HC
JTAG
ADC
TP
DGND DGND