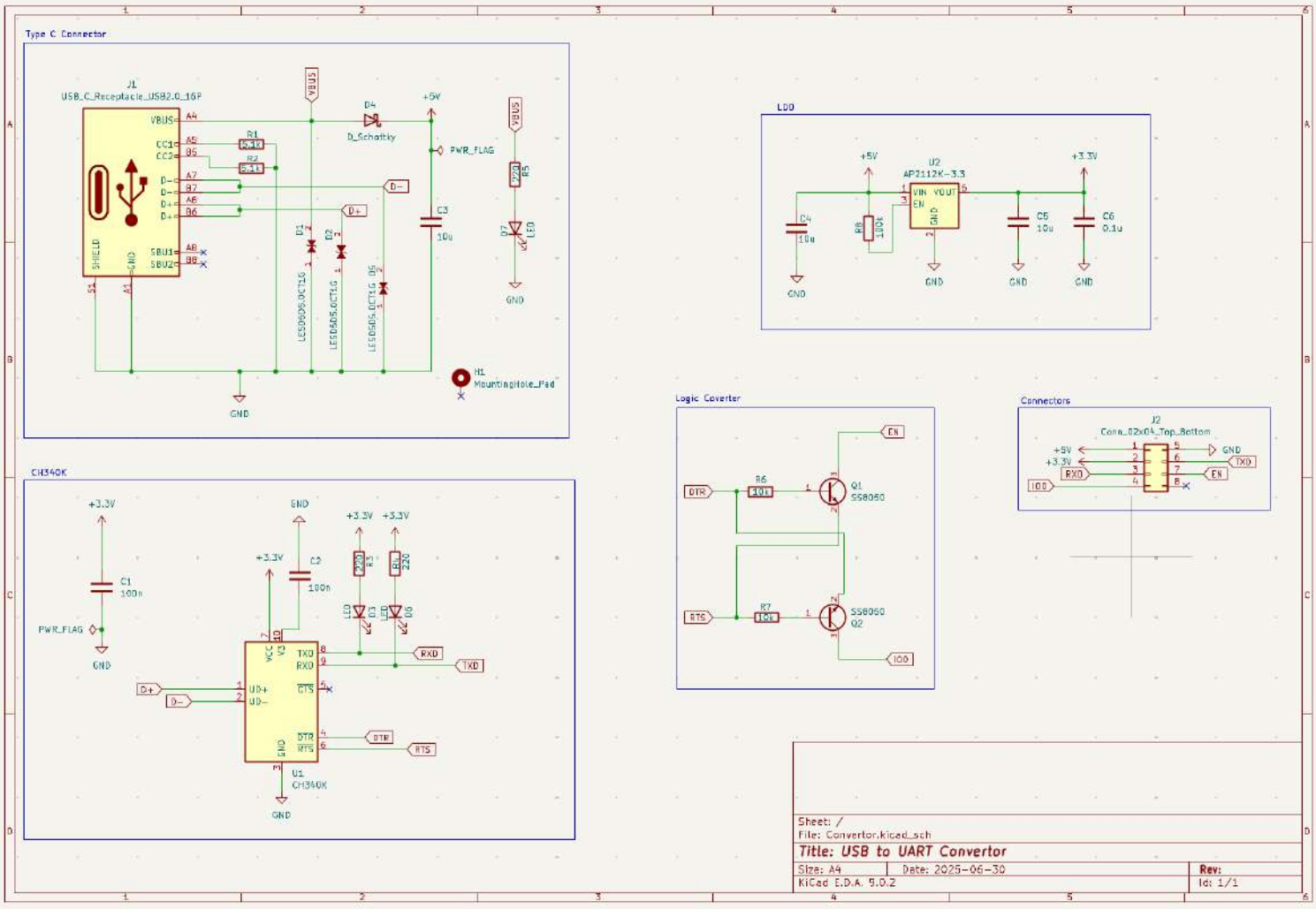
Type C Connector
J1
USB_C_Receptacle_USB2.0_16P
VBUS
CC1
CC2
D-
D+
SHIELD
GND
SBU1
SBU2
R1
5.1k
R2
5.1k
D4
D_Schottky
+5V
PWR_FLAG
C3
10u
D1
D2
D3
LESD5D5.0CT1G
R5
220
D7
LED
H1
MountingHole_Pad
LDO
U2
AP2112K-3.3
VIN
VOUT
EN
C4
10u
R8
100k
C5
10u
C6
0.1u
+3.3V
CH340K
C1
100n
C2
100n
R3
220
R4
220
D3
D4
TXD
RXD
CTS
DTR
RTS
U1
CH340K
Logic Coverter
R6
10k
R7
10k
Q1
SS8050
Q2
SS8050
DTR
RTS
EN
IO0
Connectors
J2
Conn_02x04_Top_Bottom
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Title: USB to UART Convertor
Size: A4
Date: 2025-06-30
KiCad E.D.A. 9.0.2
Rev:
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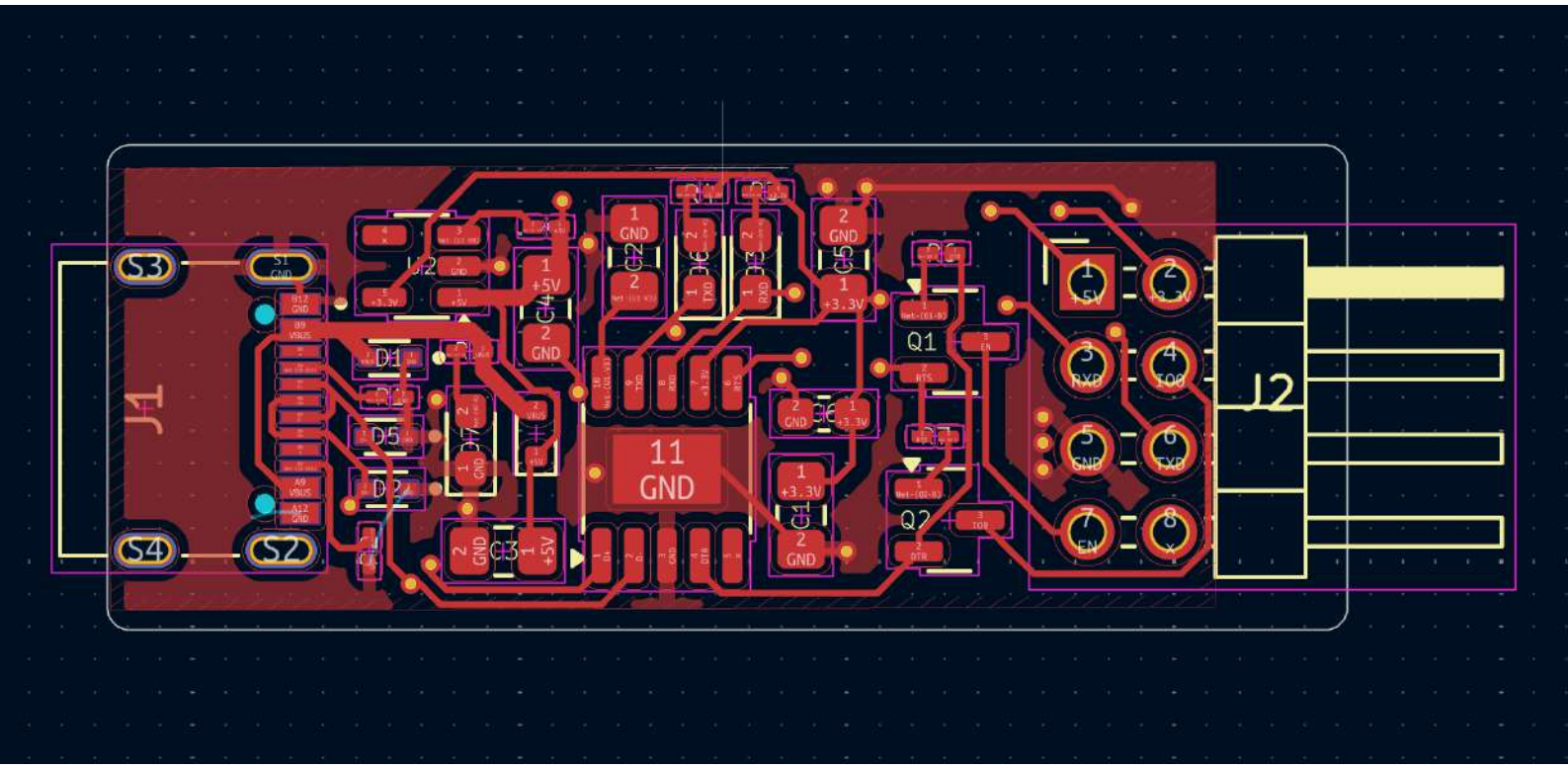
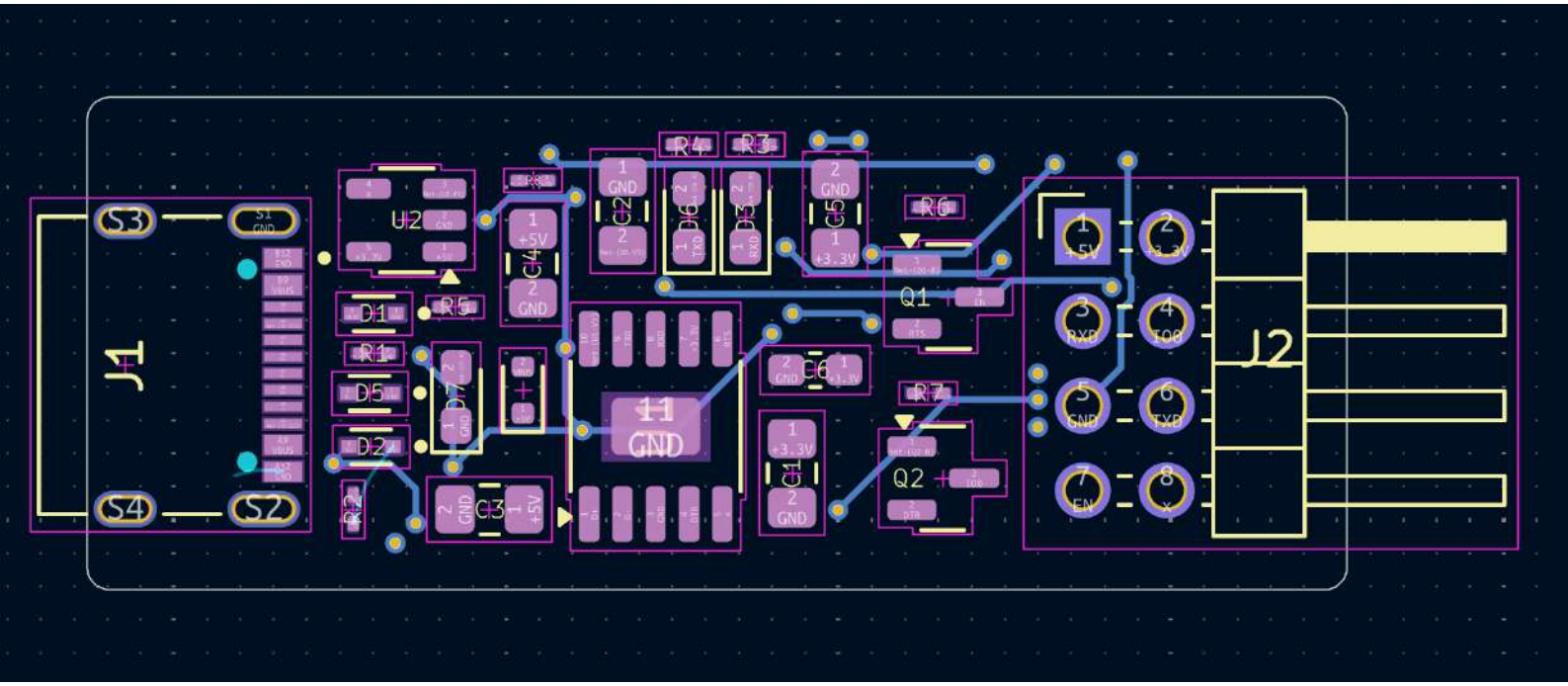

J1
S3
S4
S1
S2
J2
D1
D5
D2
D7
C4
C5
C1
C3
Q1
Q2
11
GND
+5V
+3.3V
RXD
TXD
GND
EN
RTS
DTR
J2


J1
S3
S1
GND
S4
S2
U2
D1
R5
R1
D5
D2
R2
D7
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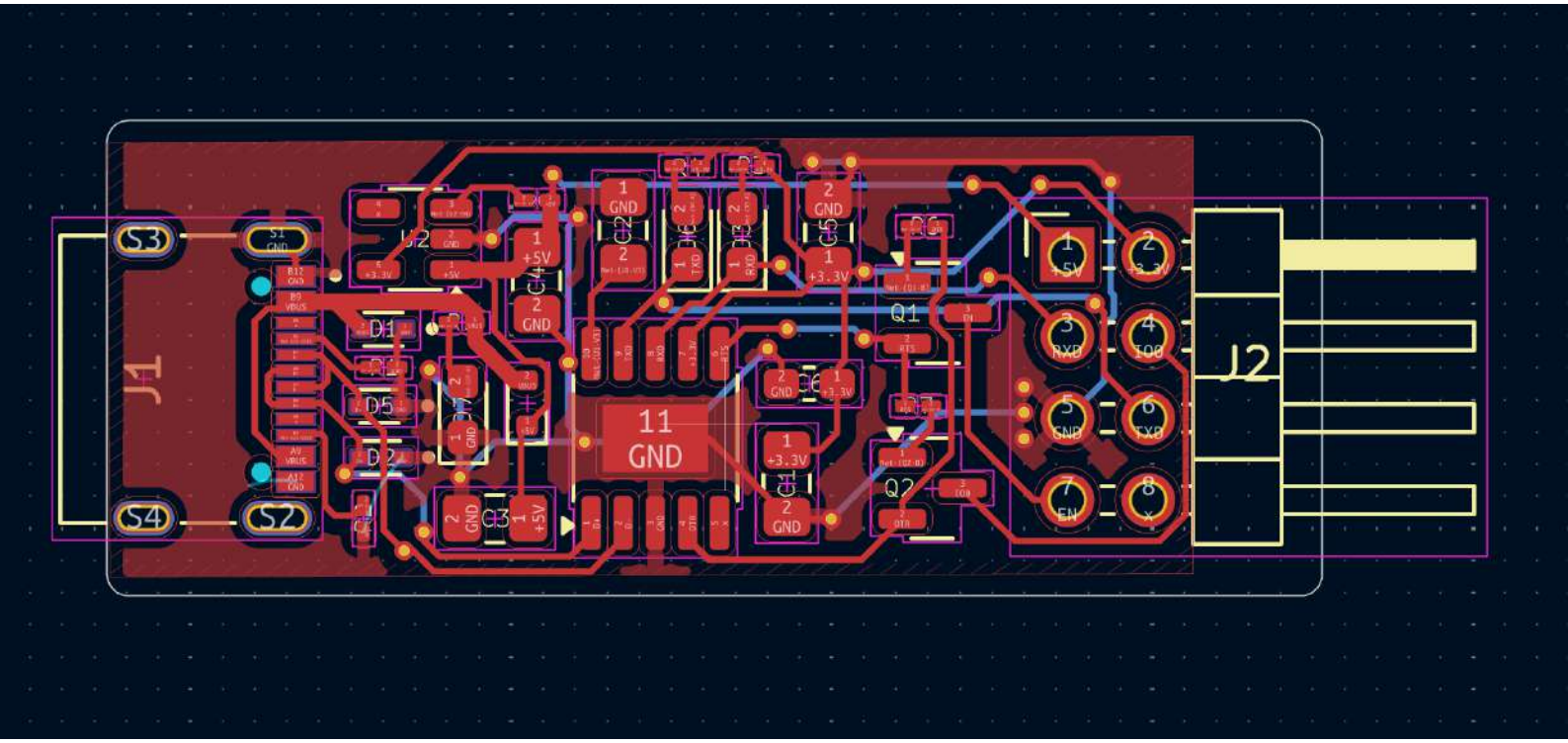
G3
+5V
R8
G4
+5V
GND
G2
GND
R4
R3
D6
TXD
D3
RXD
G5
GND
+3.3V
R6
Q1
EN
RTS
C6
+3.3V
R7
Q2
DTR
G1
+3.3V
GND
11
GND
J2
1
+5V
2
+3.3V
3
RXD
4
TXD
5
GND
6
TXD
7
EN
8
X


J1
J2
S3
S4
S1
S2
U2
D1
D5
D2
R1
C2
C3
C4
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C7
C8
R3
R4
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R6
Q1
Q2
11
GND
+5V
+3.3V
RXD
TXD
IO0
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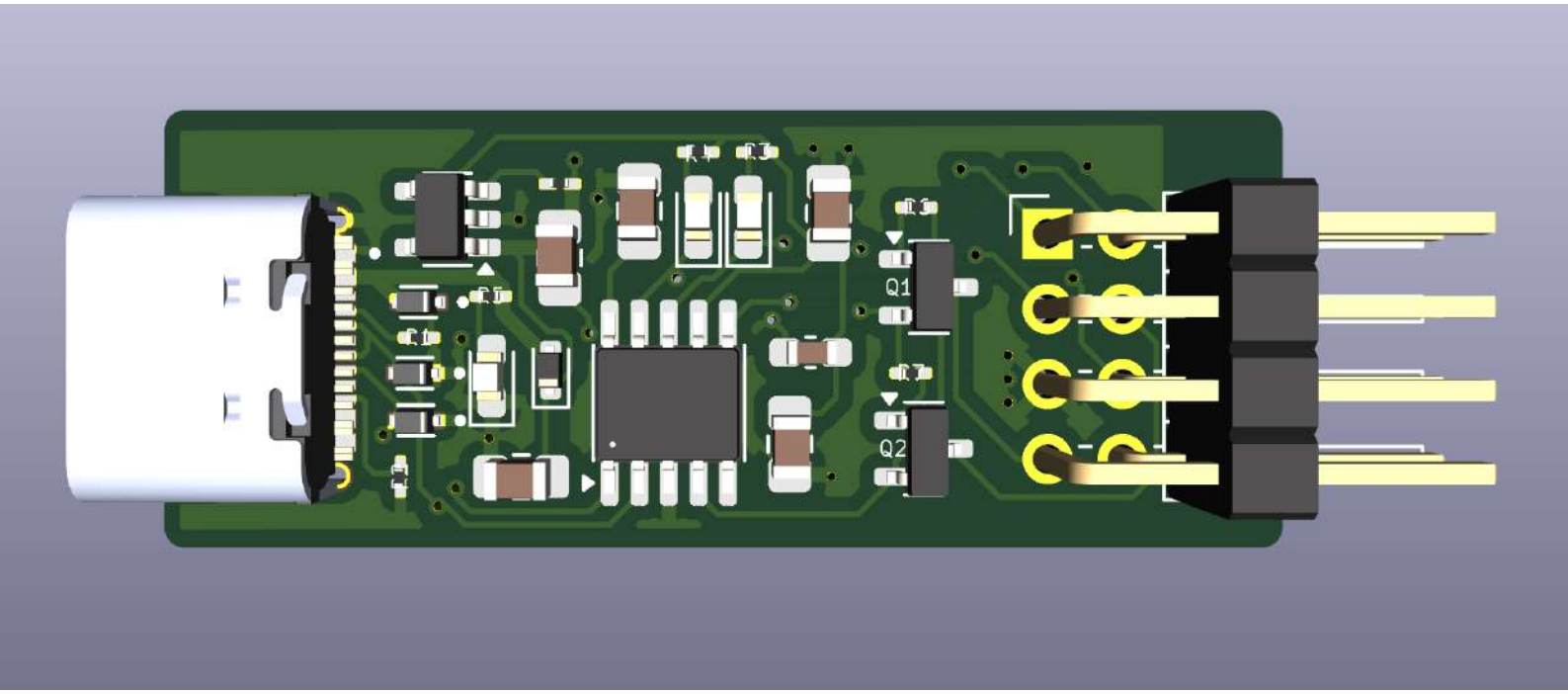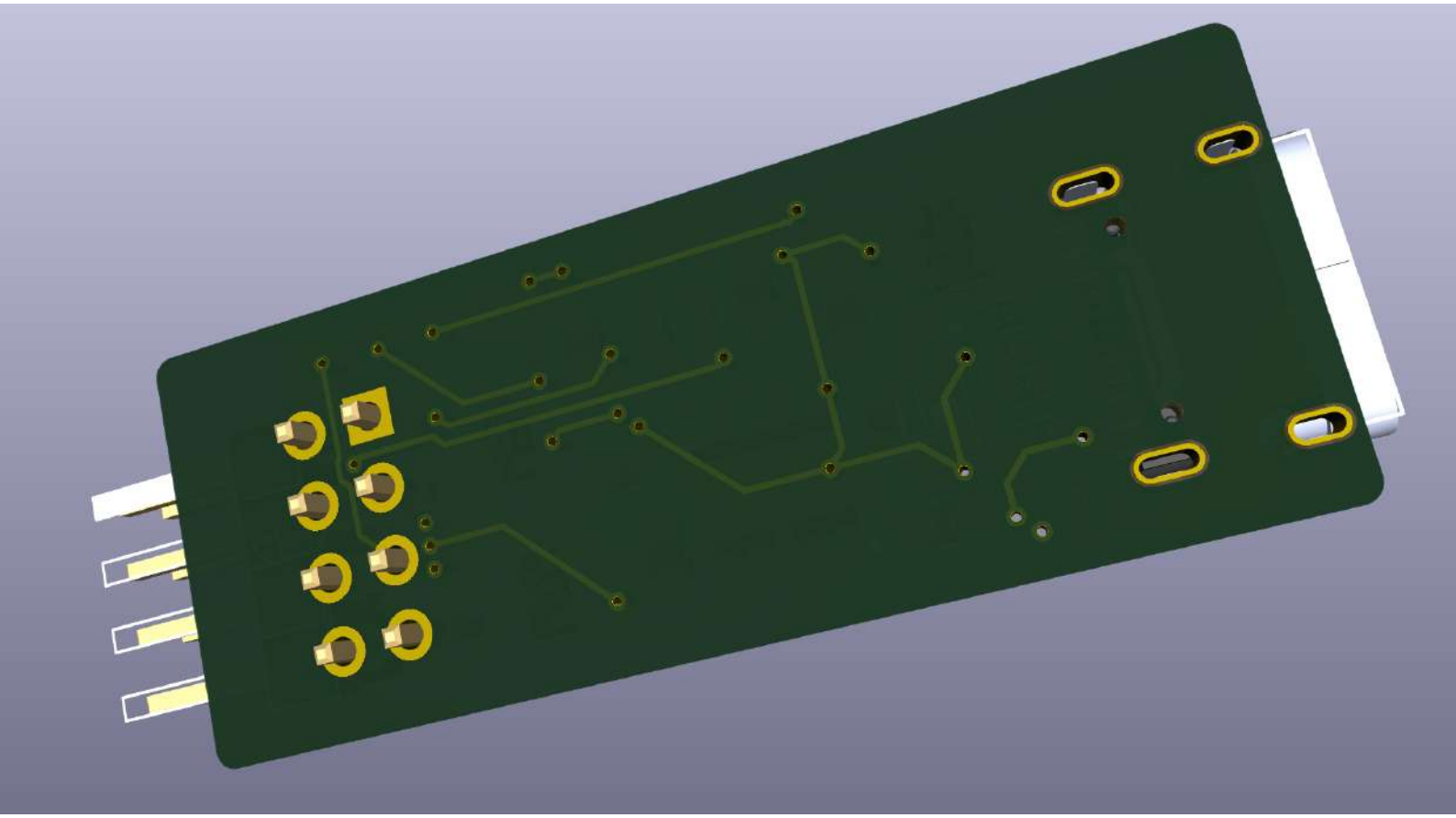
Q1
Q2