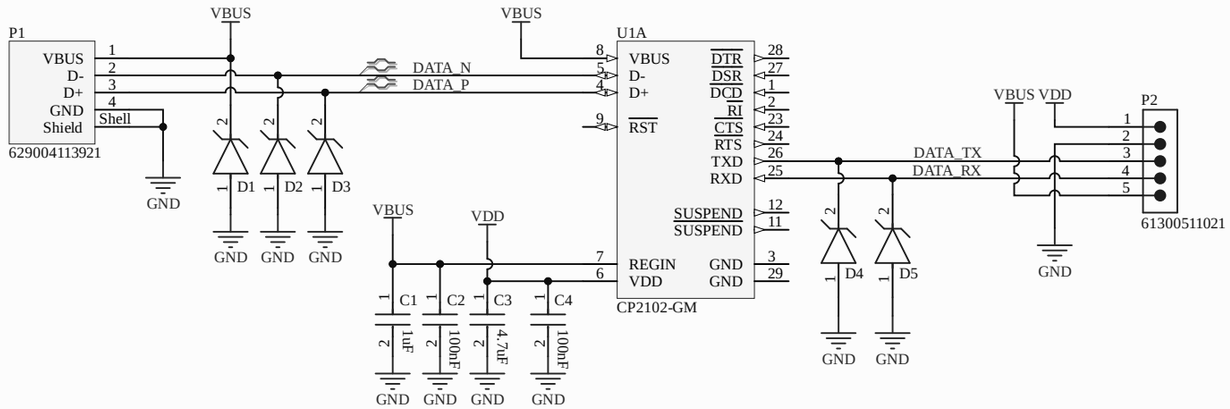
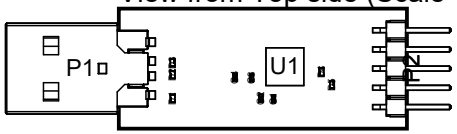
Silicon Labs_CP2102_USB_To_UART

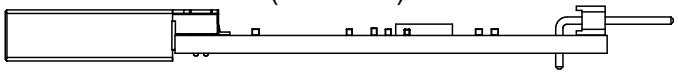


Title			
Size B	Number		Revision
Date:	3/25/2025	Sheet of	
File:	D:\Altium Design Projects\..\CP2102_USB_To_UART.SchDoc	Drawn By:	

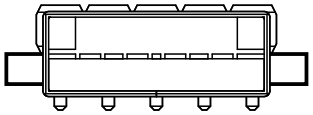
View from Top side (Scale 1:1)



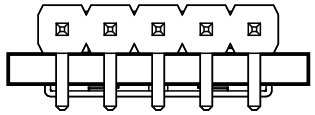
View from Front side (Scale 3:2)



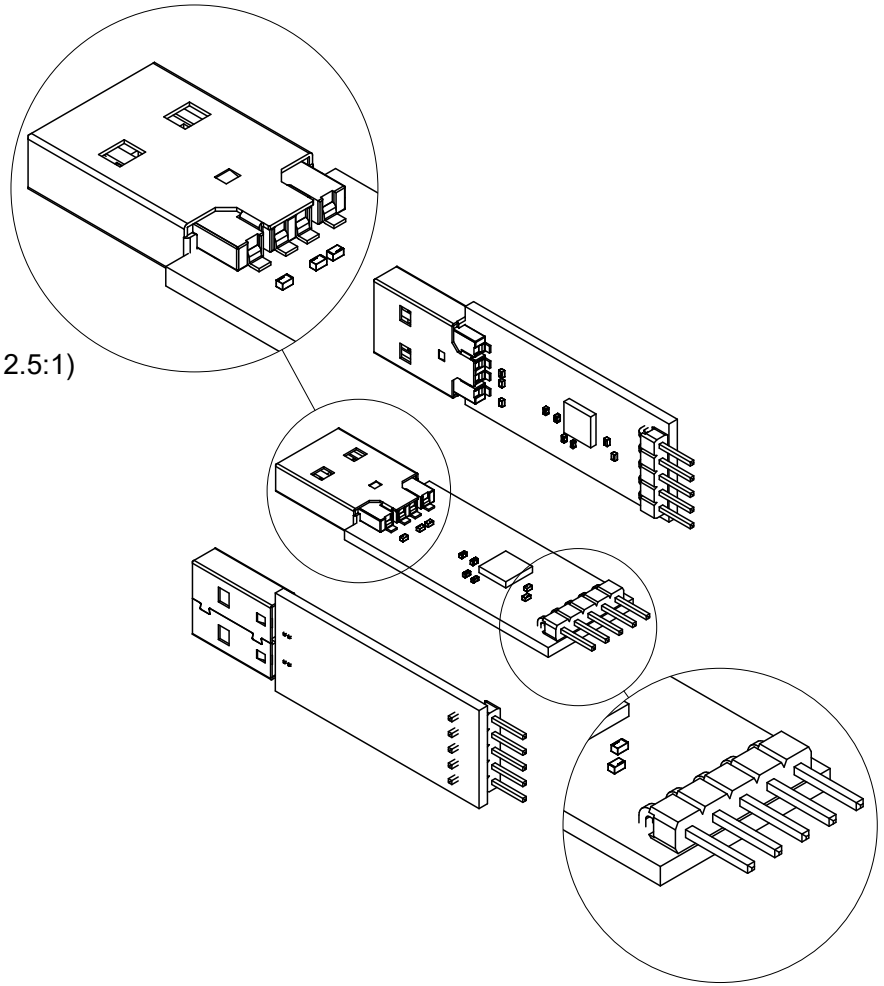
View from Bottom side (Scale 1:1)



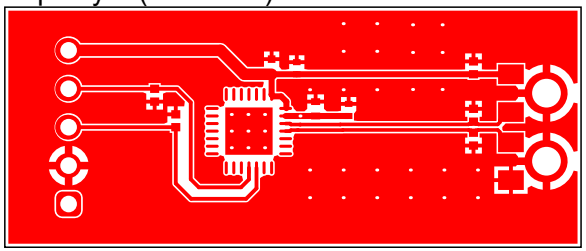
View from Left side (Scale 2.5:1)



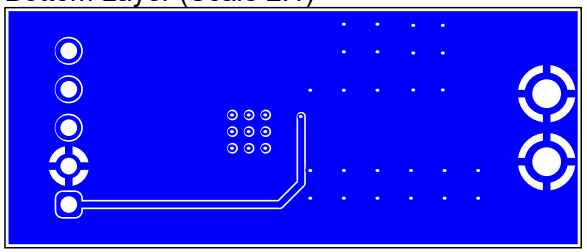
View from Right side (Scale 2.5:1)



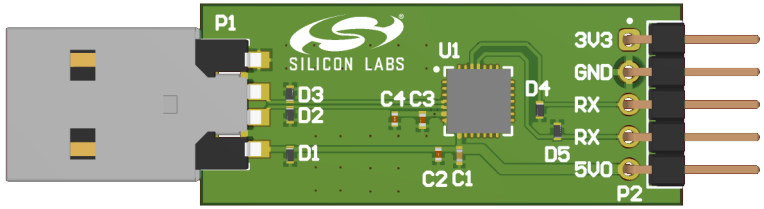
Top Layer (Scale 2:1)



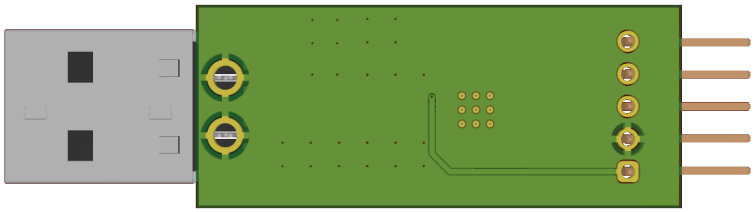
Bottom Layer (Scale 2:1)



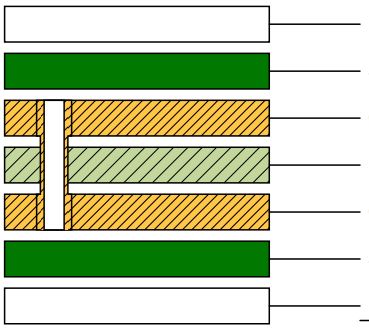
Realistic View



Realistic View

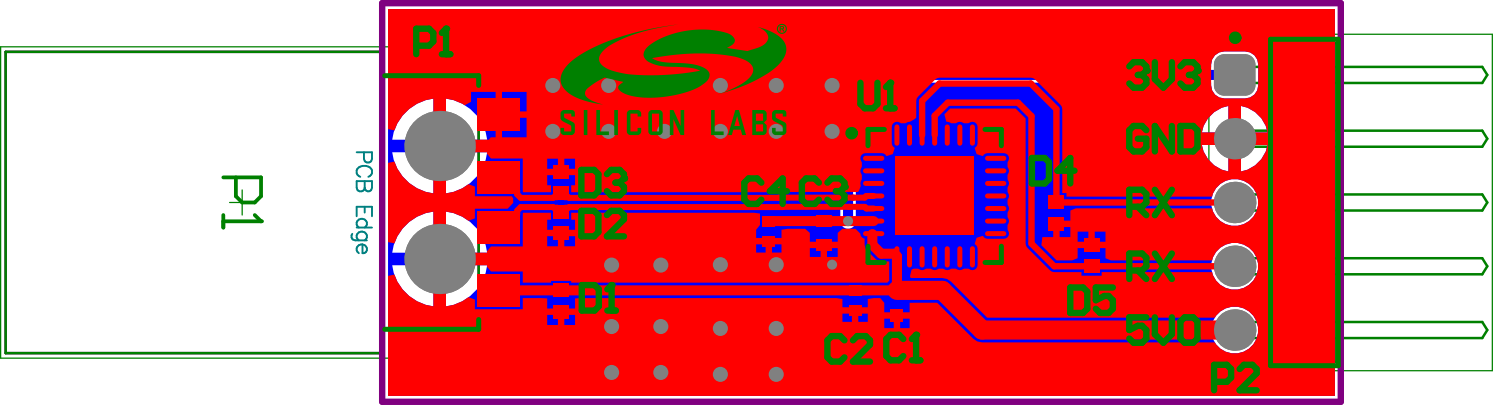


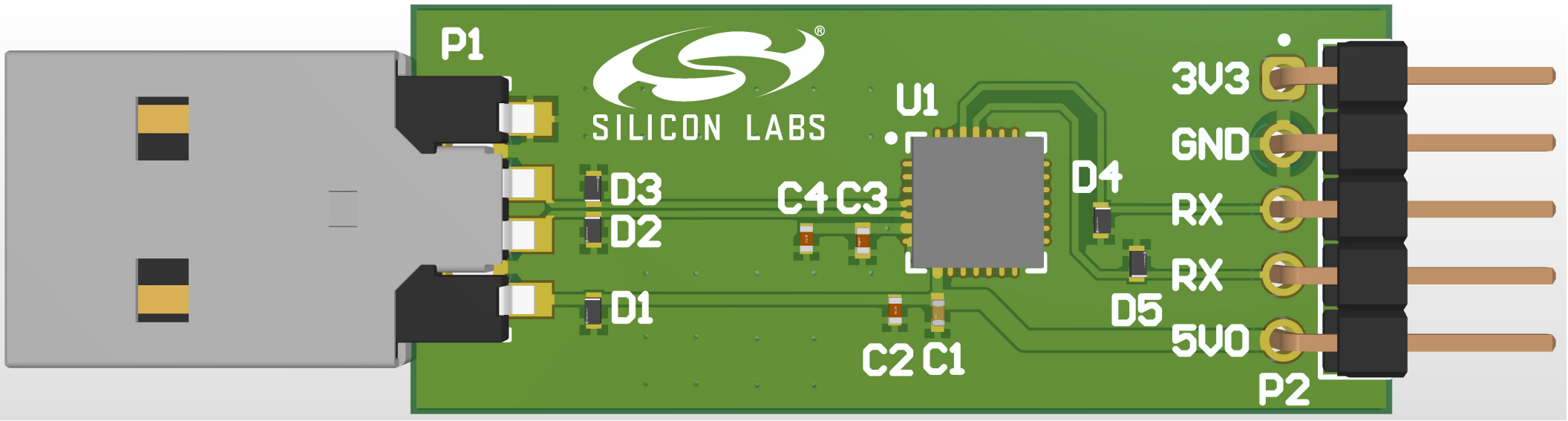
Layer Stack Legend

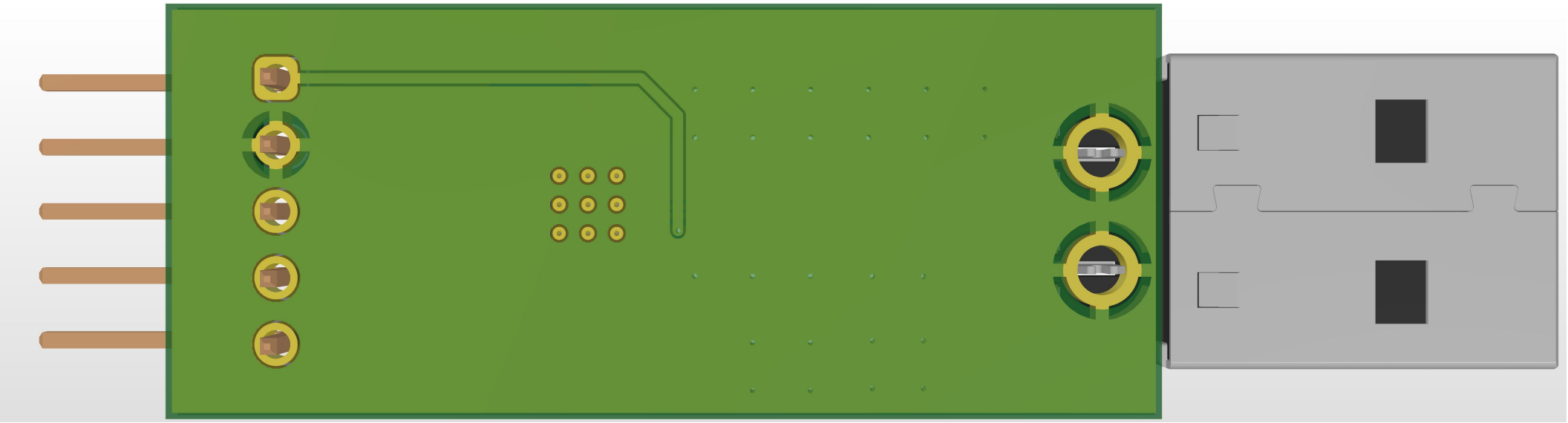


Material	Layer	Thickness	Dielectric Material	Type
	Top Overlay			Legend
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask
Copper	**Top Layer**	**0.04mm**		**Signal**
Core FR-4		*1.50mm*	*FR-4*	*Dielectric*
Copper	**Bottom Layer**	**0.04mm**		**Signal**
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask
	Bottom Overlay			Legend

Total thickness: 1.59mm


P1
SILICON LABS
U1
3V3
GND
RX
TX
5V0
P2
D3
D2
D1
C4
C3
C2
C1
D4
D5
P1
PCB Edge


P1
SILICON LABS
U1
D3
D2
D1
C4
C3
C2
C1
D4
D5
3V3
GND
RX
RX
5V0
P2



Design Rules Verification Report

Filename : D:\Altium Design Projects\CP2102_USB_To_UART\CP2102_USB_To_UART.PcI

Warnings 0
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=4mil) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=15.748mil) (Max=47.244mil) (Preferred=19.685mil) (InNet('VBUS'))	0
Power Plane Connect Rule(Relief Connect)(Expansion=20mil) (Conductor Width=10mil) (Air Gap=10mil) (Entries=4)	0
Hole Size Constraint (Min=1mil) (Max=100mil) (All)	0
Hole To Hole Clearance (Gap=10mil) (All),(All)	0
Minimum Solder Mask Sliver (Gap=3.5mil) (All),(All)	0
Silk To Solder Mask (Clearance=10mil) (IsPad),(All)	0
Silk to Silk (Clearance=10mil) (All),(All)	0
Silk to Silk (Clearance=10mil) (All),(All)	0
Net Antennae (Tolerance=0mil) (All)	0
Height Constraint (Min=0mil) (Max=1000mil) (Prefered=500mil) (All)	0
Total	0