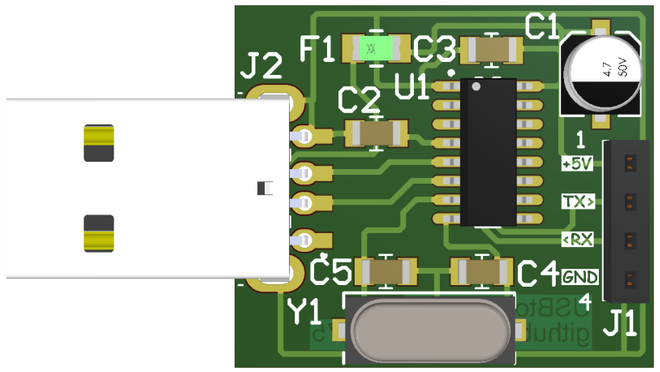
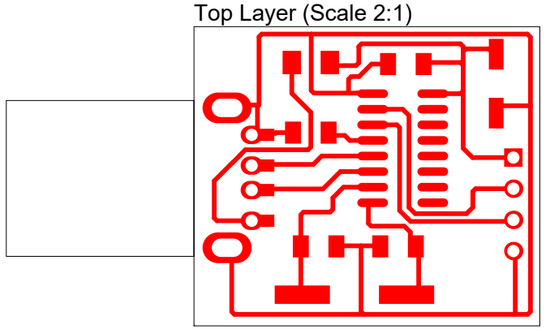
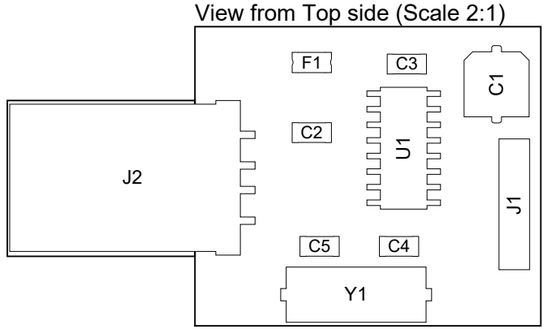
Realistic View



Top Layer (Scale 2:1)

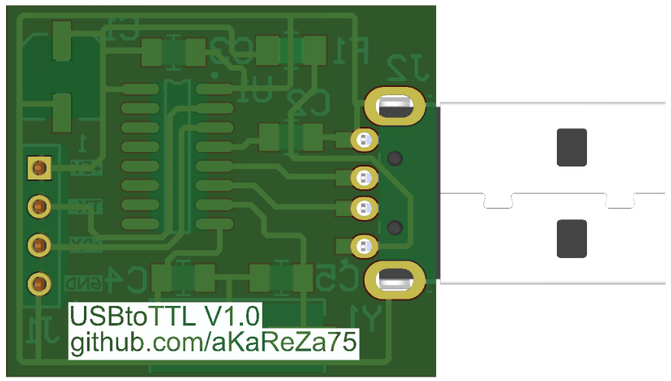


View from Top side (Scale 2:1)

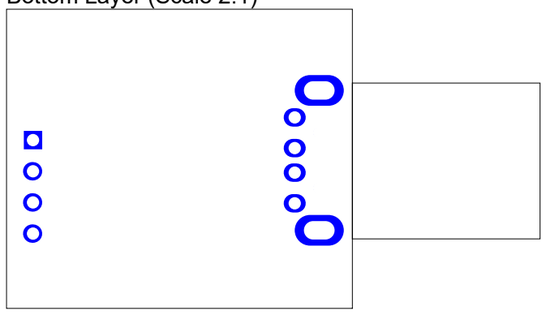


Title: TOP View	Drawn by:	Hossein Bagheri	
Project: USB to TTL	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 1 of 6		

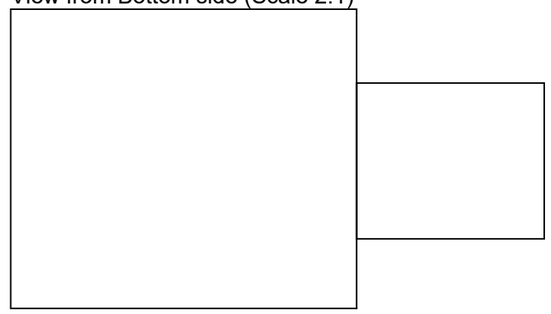
Realistic View



Bottom Layer (Scale 2:1)

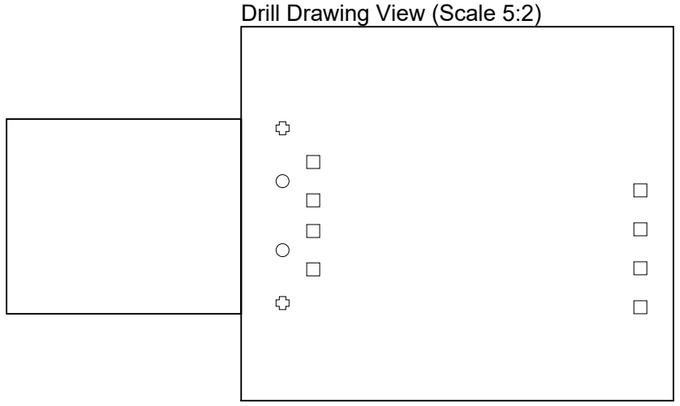


View from Bottom side (Scale 2:1)

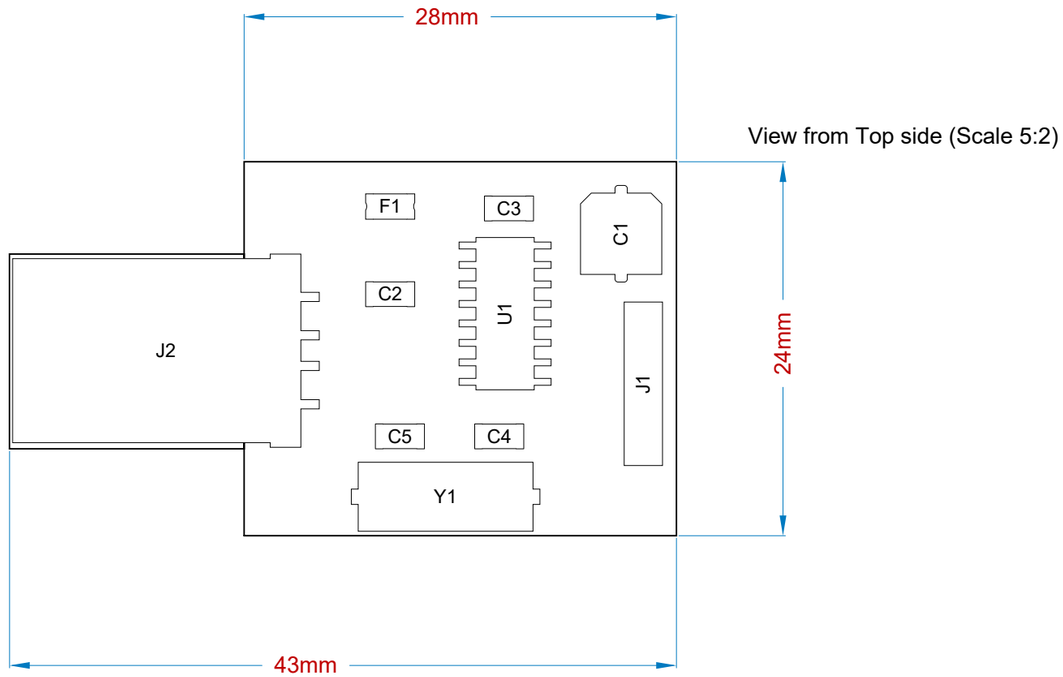


Title: Bottom View	Drawn by:	Hossein Bagheri	
Project: USB to TTL	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 2 of 6		

Drill Drawing View (Scale 5:2)



View from Top side (Scale 5:2)

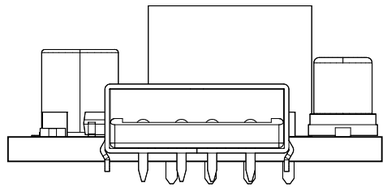


Drill Table

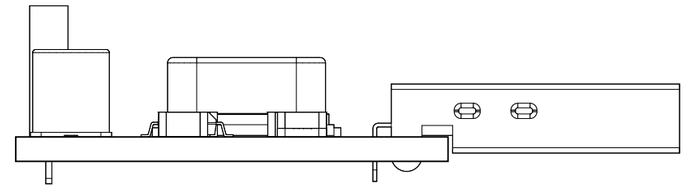
Symbol	Count	Hole Size	Plated	Hole Tolerance
○	2	1mm	Non-Plated	
□	8	1mm	Plated	
⌖	2	1mm	Plated	
	12 Total			

Title: Drill Drawing and Dimensions	**Drawn by:**	Hossein Bagheri	
Project: USB to TTL	**Revision:** 1.0	aKaReZa	
Company: github.com/aKaReZa75	**Sheet** 3 **of** 6		

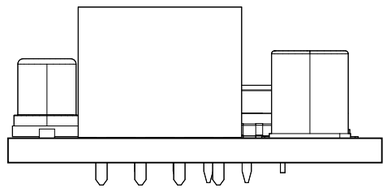
View from Left side (Scale 5:2)



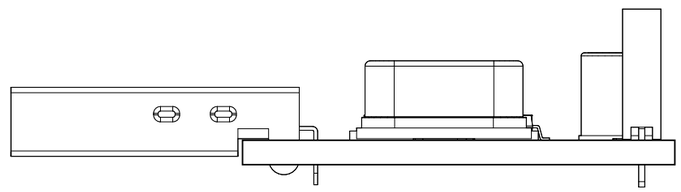
View from Back side (Scale 5:2)



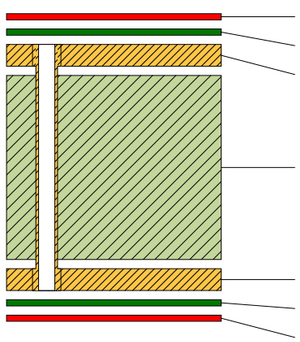
View from Right side (Scale 5:2)



View from Front side (Scale 5:2)



Layer Stack Legend

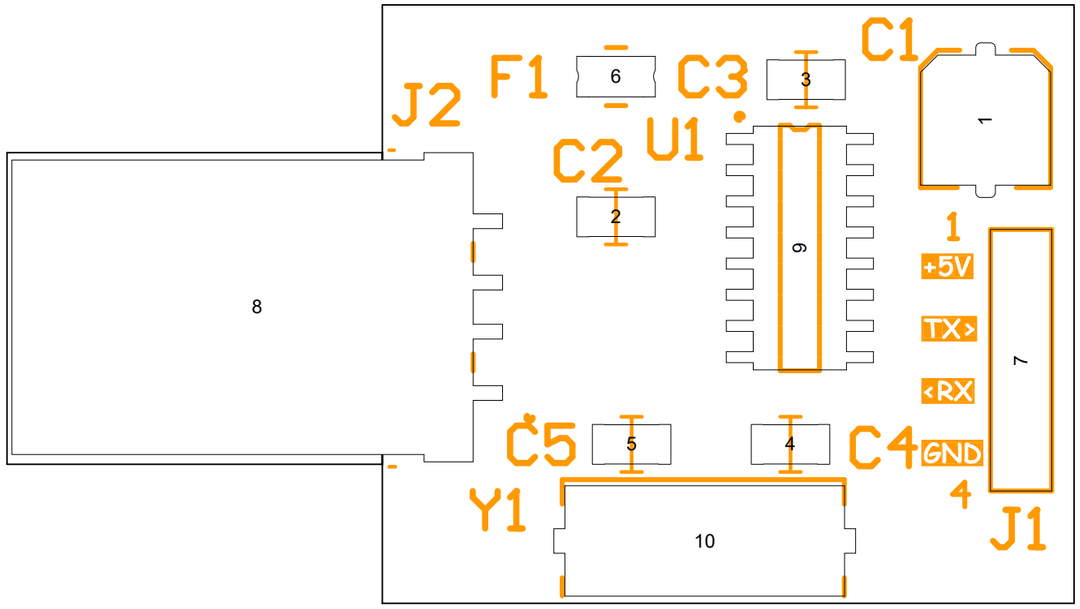


Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0mm	Solder Resist	Solder Mask	GTS
Copper	**Top Layer**	**0mm**		**Signal**	**GTL**
		1mm	*FR-4*	*Dielectric*	
Copper	**Bottom Layer**	**0mm**		**Signal**	**GBL**
Surface Material	Bottom Solder	0mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

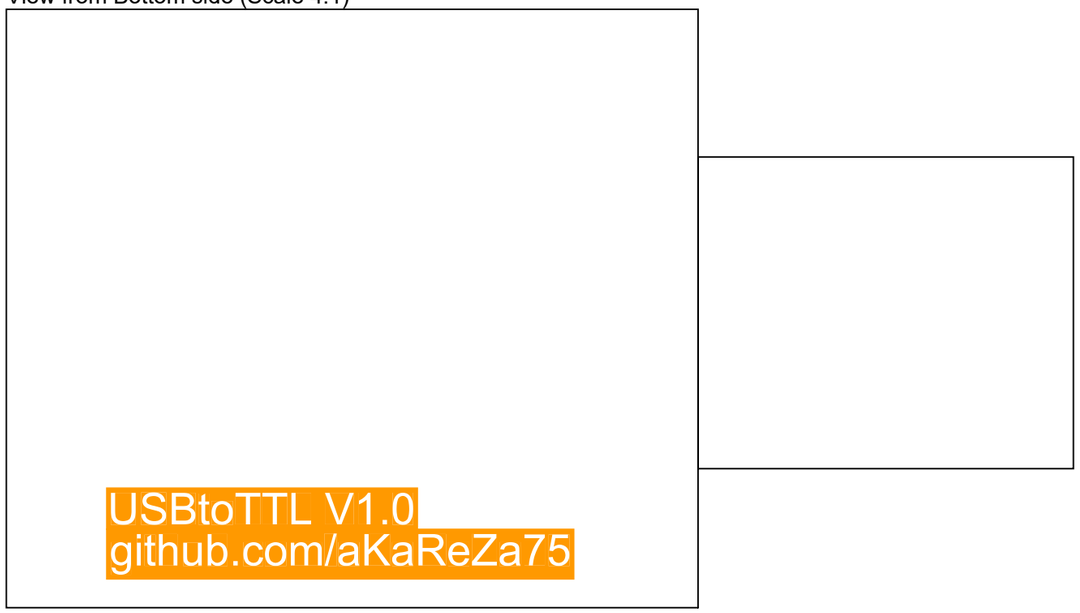
Total thickness: 2mm

Title: Layer Stack and Side View	**Drawn by:**	Hossein Bagheri	
Project: USB to TTL	**Revision:** 1.0	aKaReZa	
Company: github.com/aKaReZa75	**Sheet** 4 **of** 6		

View from Top side (Scale 4:1)



View from Bottom side (Scale 4:1)



Title: Component Positions View	**Drawn by:**	**Hossein Bagheri**	
Project: USB to TTL	**Revision:** 1.0	aKaReZa	
Company: github.com/aKaReZa75	**Sheet** 5 **of** 6		

Bill Of Materials

Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value
1	C1	10u	Cap_Elec_10u_25_SMD	CAP ALUM 5MM	Package?	6.3V	Electrolit	10u
2	C2	10n	Cap_Multi_SMD_1206	CAP 1206/3216	1206	Rating?	MultiLayer	10n
3	C3	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n
4	C4	22p	Cap_Multi_SMD_1206	CAP 1206/3216	1206	Rating?	MultiLayer	22p
5	C5	22p	Cap_Multi_SMD_1206	CAP 1206/3216	1206	Rating?	MultiLayer	22p
6	F1	100m	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	100m
7	J1	4	Con_FPH_4x1_V_THT_2.54	HDR_THT_4F_2.54mm	Package?	Rating?	Type?	4
8	J2	Type A	Con_USB2_A	USB A TYPE Right Angle	Package?	Rating?	Type?	Type A
9	U1	CH340G	IC_Converter_CH340G	SO16_M	SO-16	Rating?	USB to TTL	CH340G
10	Y1	12M	Other_Elec_Xtal_SMD	Crystal SMD	SMD	Rating?	Quartz	12M

Title: Bill of Materials	Drawn by:	Hossein Bagheri	
Project: USB to TTL	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 6 of 6		