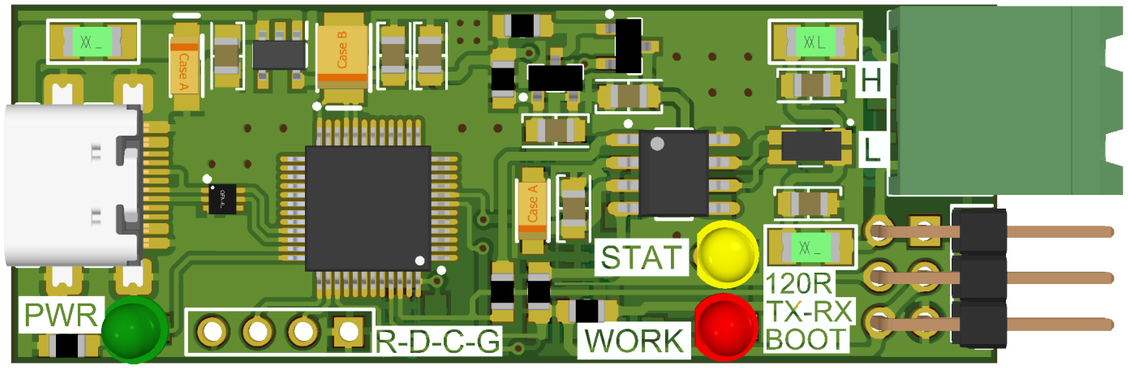
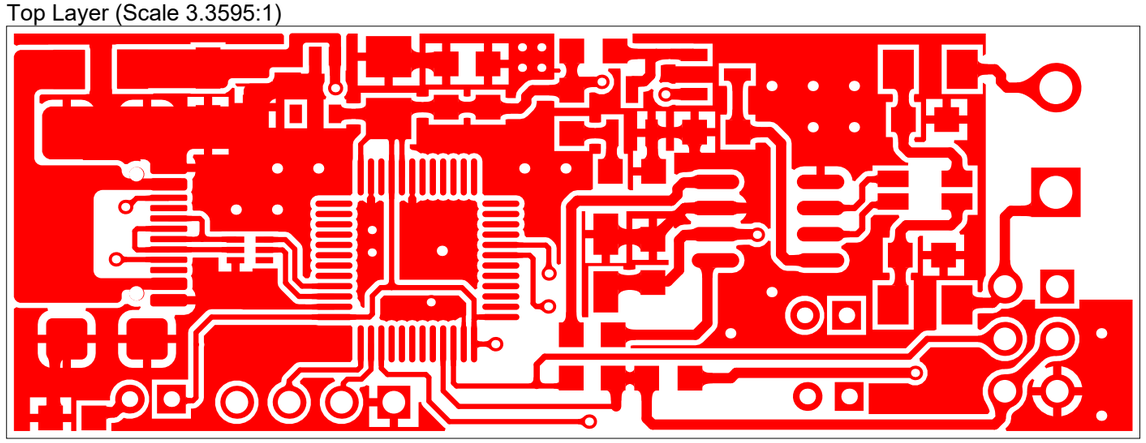
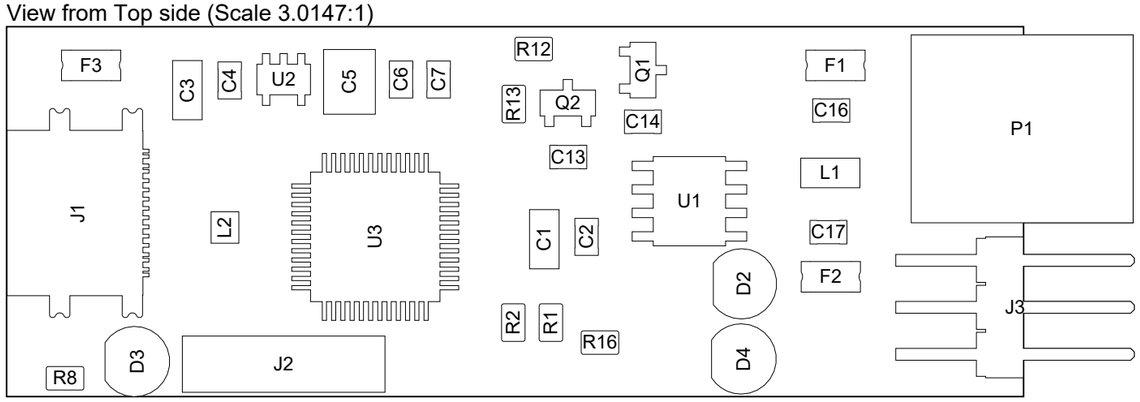
Realistic View



Top Layer (Scale 3.3595:1)

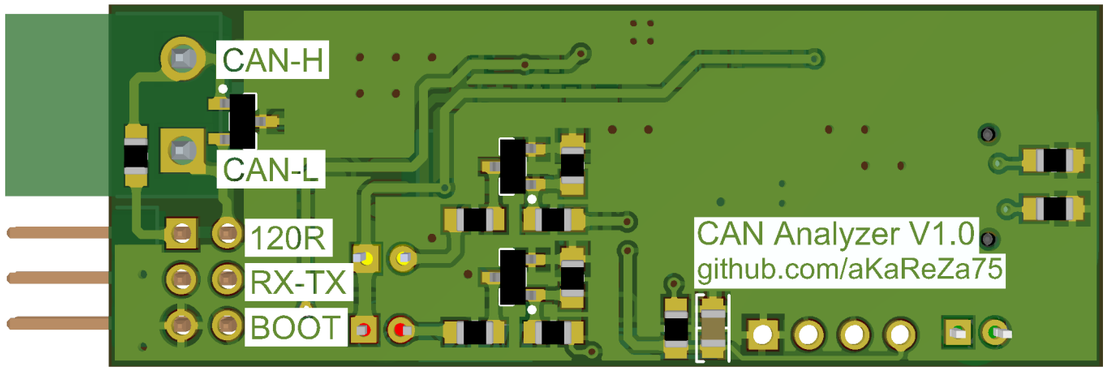


View from Top side (Scale 3.0147:1)

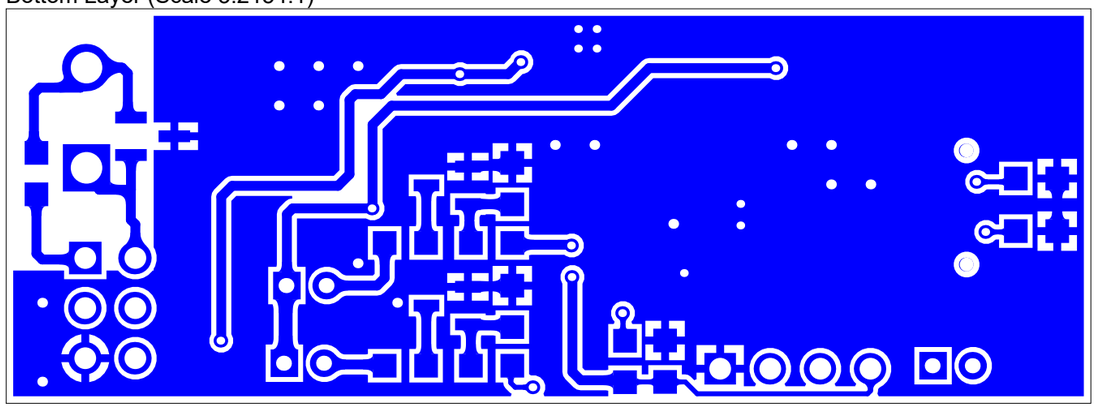


Title: TOP View	Drawn by:	Hossein Bagheri	
Project: Can Analyzer	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 1 of 7		

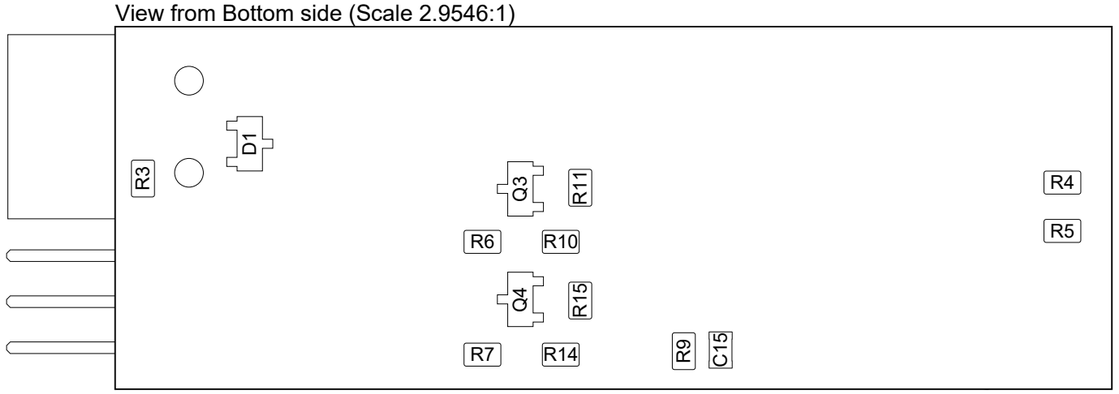
Realistic View



Bottom Layer (Scale 3.2154:1)

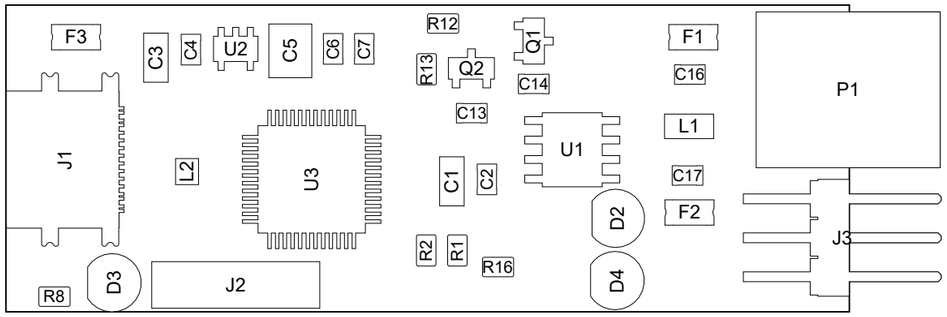


View from Bottom side (Scale 2.9546:1)

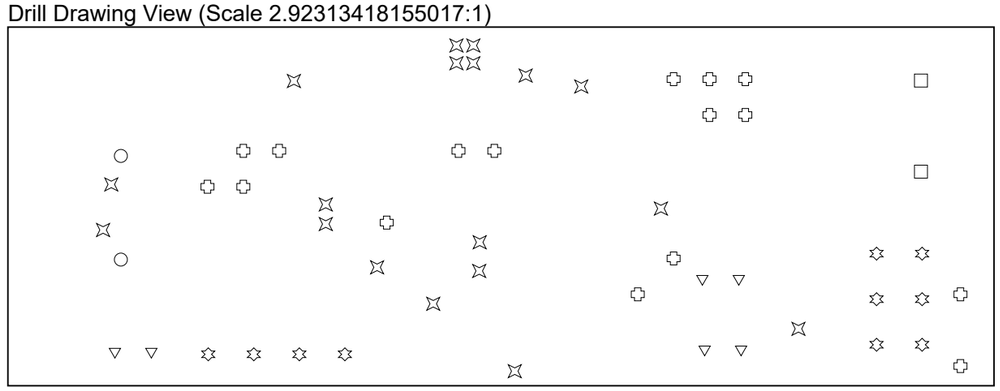


Title: Bottom View	Drawn by:	Hossein Bagheri	
Project: Can Analyzer	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 2 of 7		

View from Top side (Scale 5:2)



Drill Drawing View (Scale 2.923134181550 17:1)

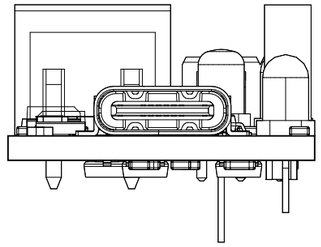


Drill Table

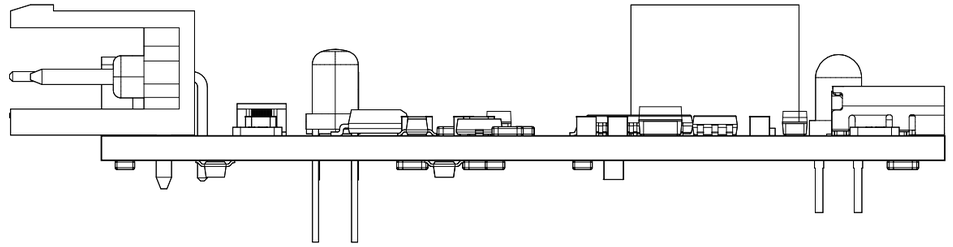
Symbol	Count	Hole Size	Plated	Hole Tolerance
⌑	18	0mm	Plated	
⌖	16	0mm	Plated	
○	2	1mm	Non-Plated	
▽	6	1mm	Plated	
✡	10	1mm	Plated	
□	2	2mm	Plated	
	54 Total			

Title: Drill Drawing and Dimensions	Drawn by:	Hossein Bagheri	
Project: Can Analyzer	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 3 of 7		

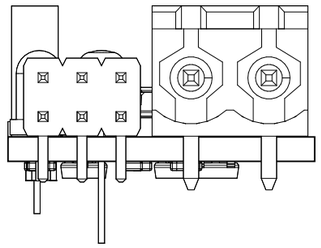
View from Left side (Scale 5:2)



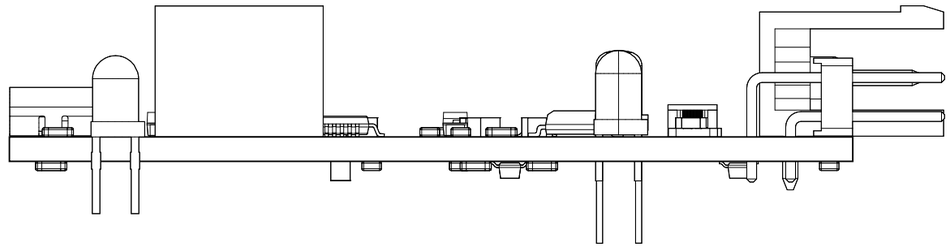
View from Back side (Scale 5:2)



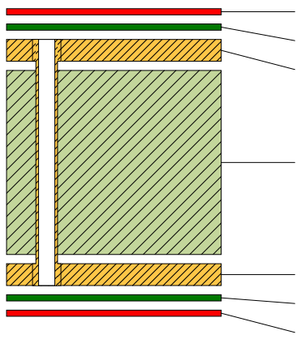
View from Right side (Scale 5:2)



View from Front side (Scale 5:2)



Layer Stack Legend

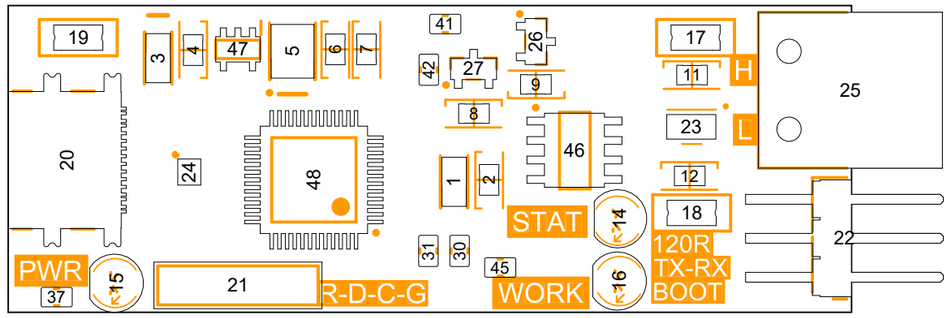


Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0mm	Solder Resist	Solder Mask	GTS
Copper	**Top Layer**	**0mm**		**Signal**	**GTL**
		1mm	*FR-4*	*Dielectric*	
Copper	**Bottom Layer**	**0mm**		**Signal**	**GBL**
Surface Material	Bottom Solder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

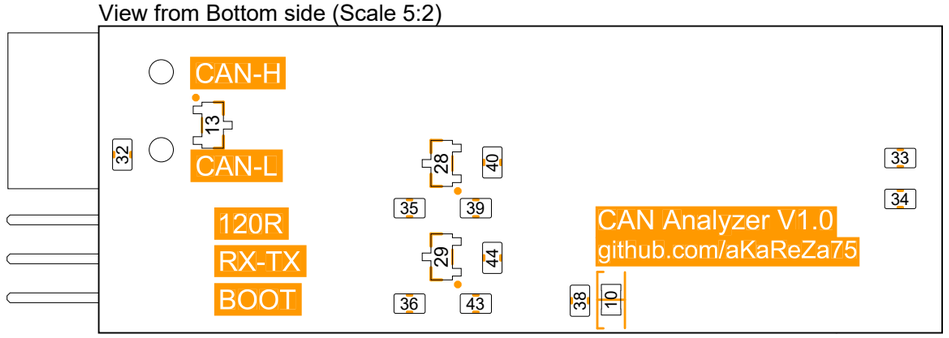
Total thickness: 2mm

Title: Layer Stack and Side View	**Drawn by:**	**Hossein Bagheri**	
Project: Can Analyzer	**Revision:** 1.0	aKaReZa	
Company: github.com/aKaReZa75	**Sheet** 4 **of** 7		

View from Top side (Scale 5:2)



View from Bottom side (Scale 5:2)



Title: Component Positions View	Drawn by:	Hossein Bagheri	
Project: Can Analyzer	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 5 of 7		

Bill Of Materials

Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value
1	C1	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6V3	Tantalum	10u
2	C2	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
3	C3	4u7	Cap_Tantalum	SMT_C_Tantalum_A	SMD-A	6.3V	Tantalum	4u7
4	C4	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
5	C5	10u	Cap_Tantalum	SMT_C_Tantalum_B	Package?	6V3	Tantalum	10u
6	C6	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
7	C7	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
8	C13	10u	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	10u
9	C14	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
10	C15	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n
11	C16	47p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	47p
12	C17	47p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	47p
13	D1	SM712	Semi_Diod_TVS_SM712	SOT23_M	Package?	Rating?	Type?	SM712
14	D2	Yellow	Semi_LED_Yellow_3	LED-3mm_Yellow	3mm	Rating?	LED	Yellow
15	D3	Green, 3'mm	Semi_LED_Green_3	led-3mm	Package?	Rating?	Type?	Green, 3'mm
16	D4	Red, 3'mm	Semi_LED_Red_3	LED-3mm(RED)	Package?	Rating?	Type?	Red, 3'mm
17	F1	200m	Other_Elec_PFUSE_SMD	1206_F	1206	24V	Resettable	200m
18	F2	200m	Other_Elec_PFUSE_SMD	1206_F	1206	24V	Resettable	200m
19	F3	250m	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	250m
20	J1	16P	Con_USB_C_16P	USBC_SMD_16_USB4110 - Extended	SMD	Rating?	C	16P
21	J2	4b	Con_MPH_4x1_V_THT_2.54	HDR_THT_4M_2.54mm	Dip	4x1	Vertical	4b
22	J3	3x2	Con_MPH_3x2_V_THT_2.54	HDR_THT_3x2M_2.54mm_RA	Package?	Rating?	Type?	3x2
23	L1	Value?	Ind_EMI_DLW31SN900SQ2L	FIL_DLW31SN900SQ2L_Extended	Package?	Rating?	Type?	Value?
24	L2	ECMF02-2AMX6	Ind_EMI_ECMF02-2AMX6	SON50P150X170X55-6N	QFN-6	2.5R	EMI Filters	ECMF02-2AMX6
25	P1	2'Pin	Con_Power_2	Phoenix_2PIN_RA_P5.08mm	Package?	Rating?	Type?	2'Pin
26	Q1	P-Channel	Semi_MOSFET_Si2301DS	SOT23_N	Package?	Rating?	Type?	P-Channel
27	Q2	NPN	Semi_BJT_SS8050	SOT23_N	Package?	Rating?	Type?	NPN
28	Q3	BC817	Semi_BJT_BC817	SOT23_N	Package?	Rating?	NPN	BC817
29	Q4	BC817	Semi_BJT_BC817	SOT23_N	Package?	Rating?	NPN	BC817
30	R1	22R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	22R
31	R2	22R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	22R
32	R3	120R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	1%	120R
33	R4	4K7	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4K7
34	R5	4K7	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4K7
35	R6	330R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	330R
36	R7	330R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	330R
37	R8	330R	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	330R
38	R9	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K
39	R10	4K7	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4K7
40	R11	47K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	47K
41	R12	100K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	100K
42	R13	1M	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	1M
43	R14	4K7	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	4K7
44	R15	47K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	47K
45	R16	10K	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	10K
46	U1	TJA1051T-3	IC_Converter_TJA1051T-3	SO8_narrow_M	SOIC-8	5Mbits/s	CAN-FD	TJA1051T-3

Title: Bill of Materials	**Drawn by:**	**Hossein Bagheri**
Project: Can Analyzer	**Revision:** 1.0	aKaReZa
Company: github.com/aKaReZa75	**Sheet** 6 **of** 7	

Bill Of Materials

Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value
47	U2	3.3V	IC_Reg_TLV74333PDBVR	SOT95P280X130-5N	SOT-23-5	300m	LDO	3.3V
48	U3	STM32G431C8T6	IC_MCU_STM32G431C8T6	LQFP48_N	LQFP48	CORTEX-M4	Microcontroller	STM32G431C8T6

Title: Bill of Materials	Drawn by:	Hossein Bagheri	
Project: Can Analyzer	Revision: 1.0	aKaReZa	
Company: github.com/aKaReZa75	Sheet 7 of 7		