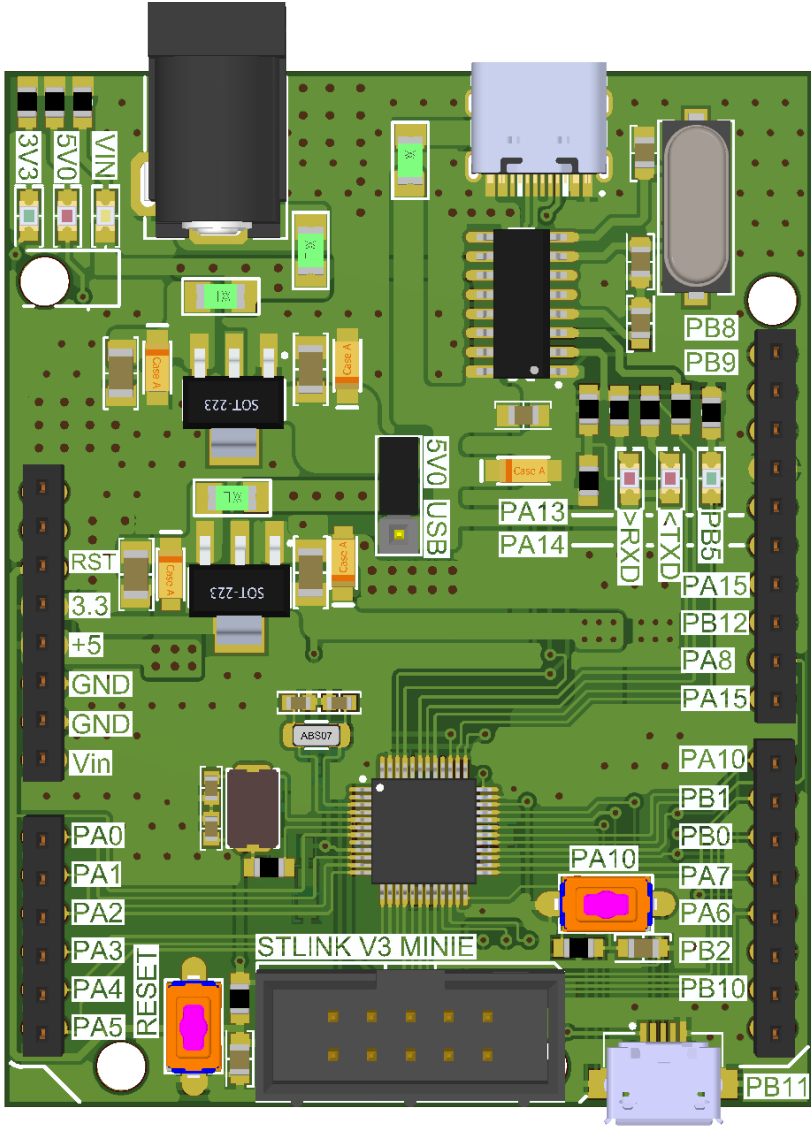
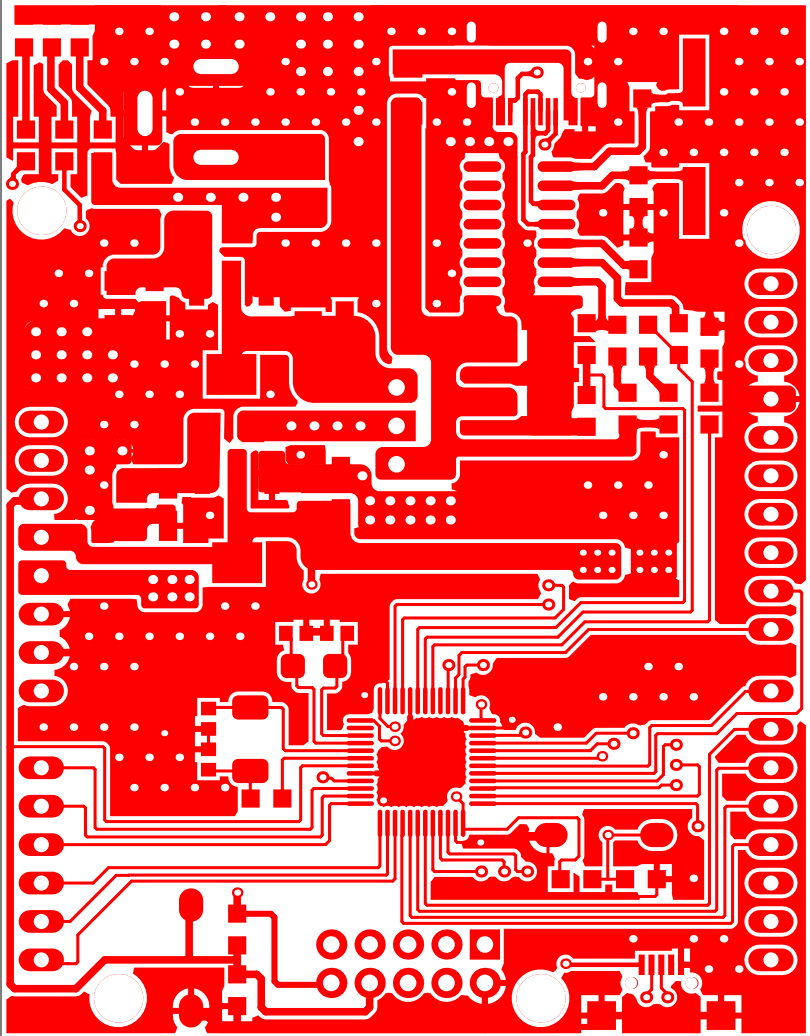


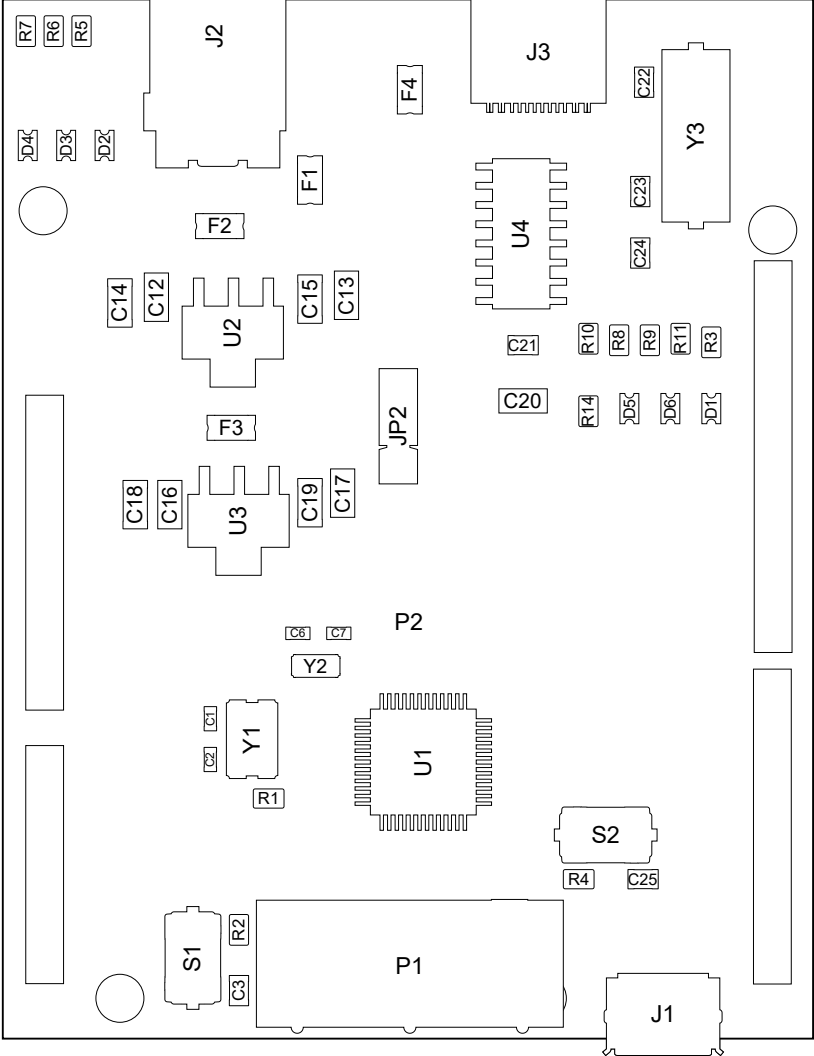
Realistic View



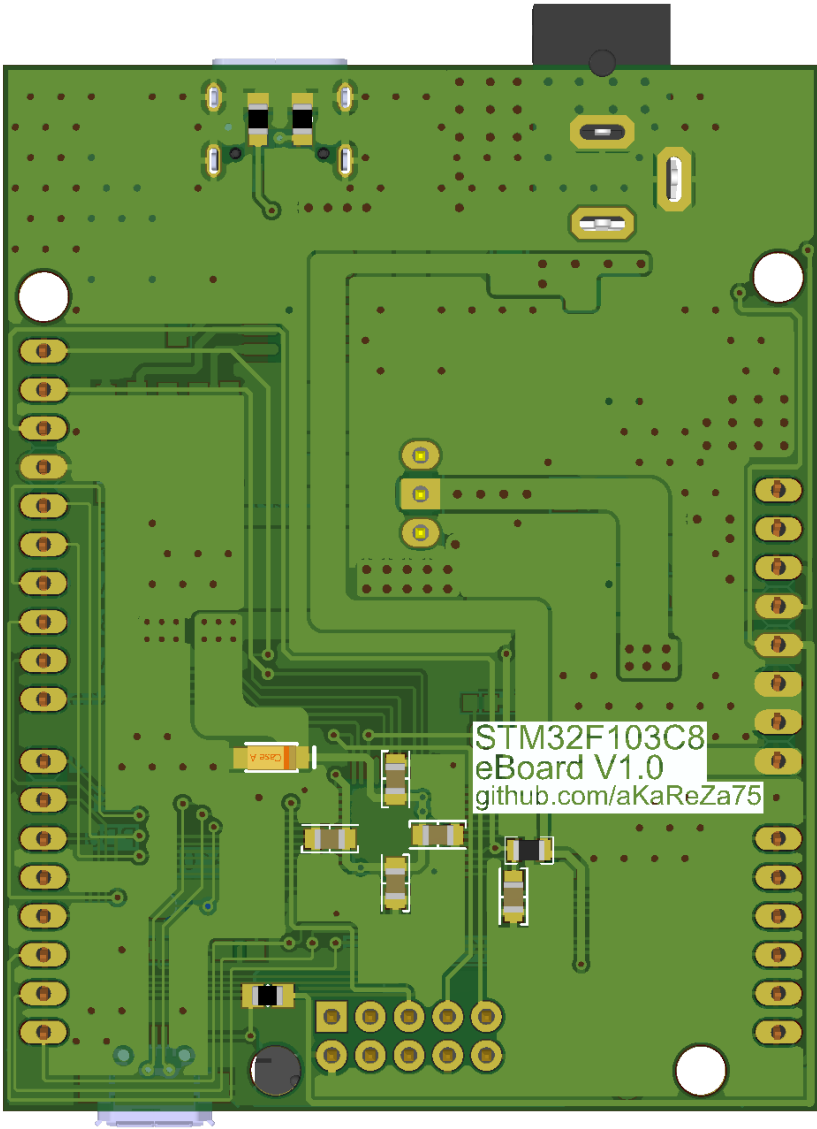
Top Layer (Scale 2:1)



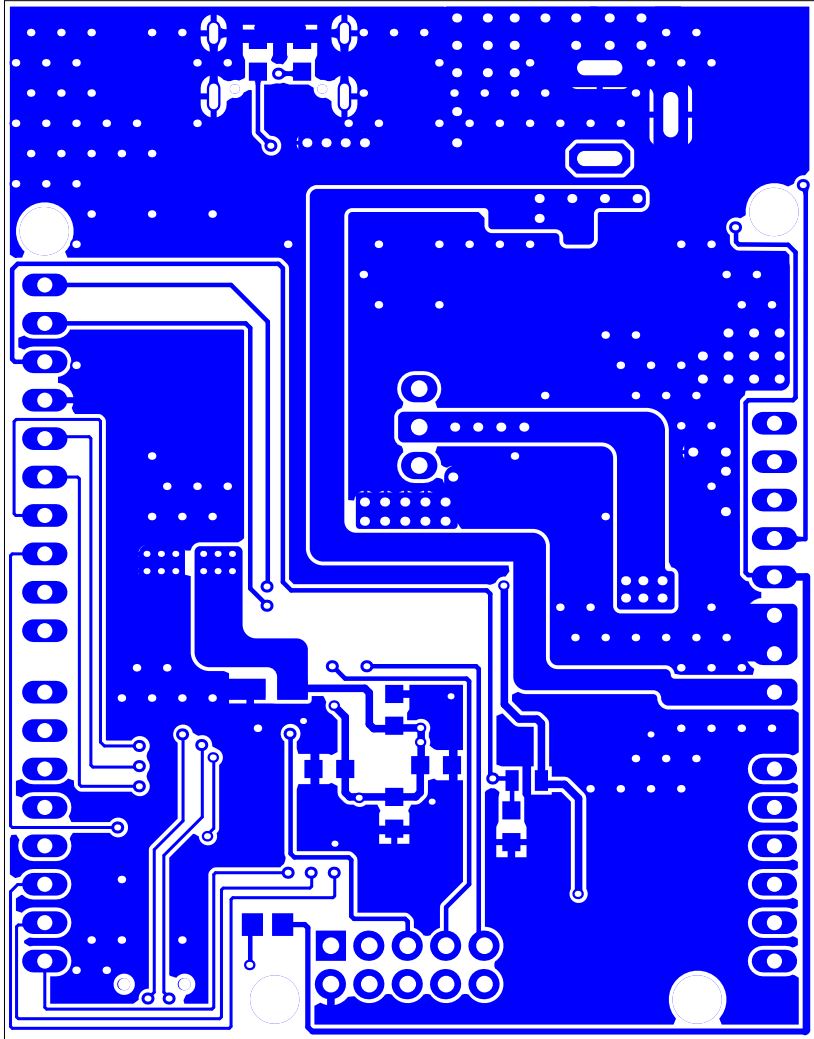
View from Top side (Scale 2:1)



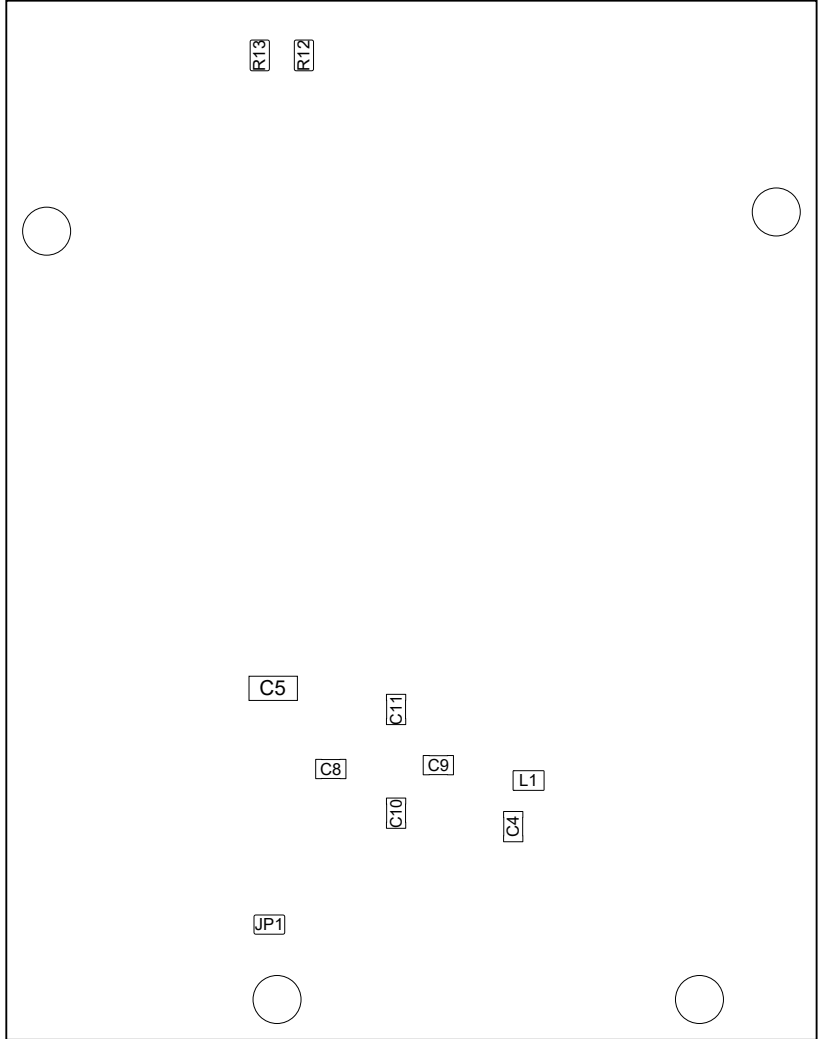
Realistic View



Bottom Layer (Scale 2:1)

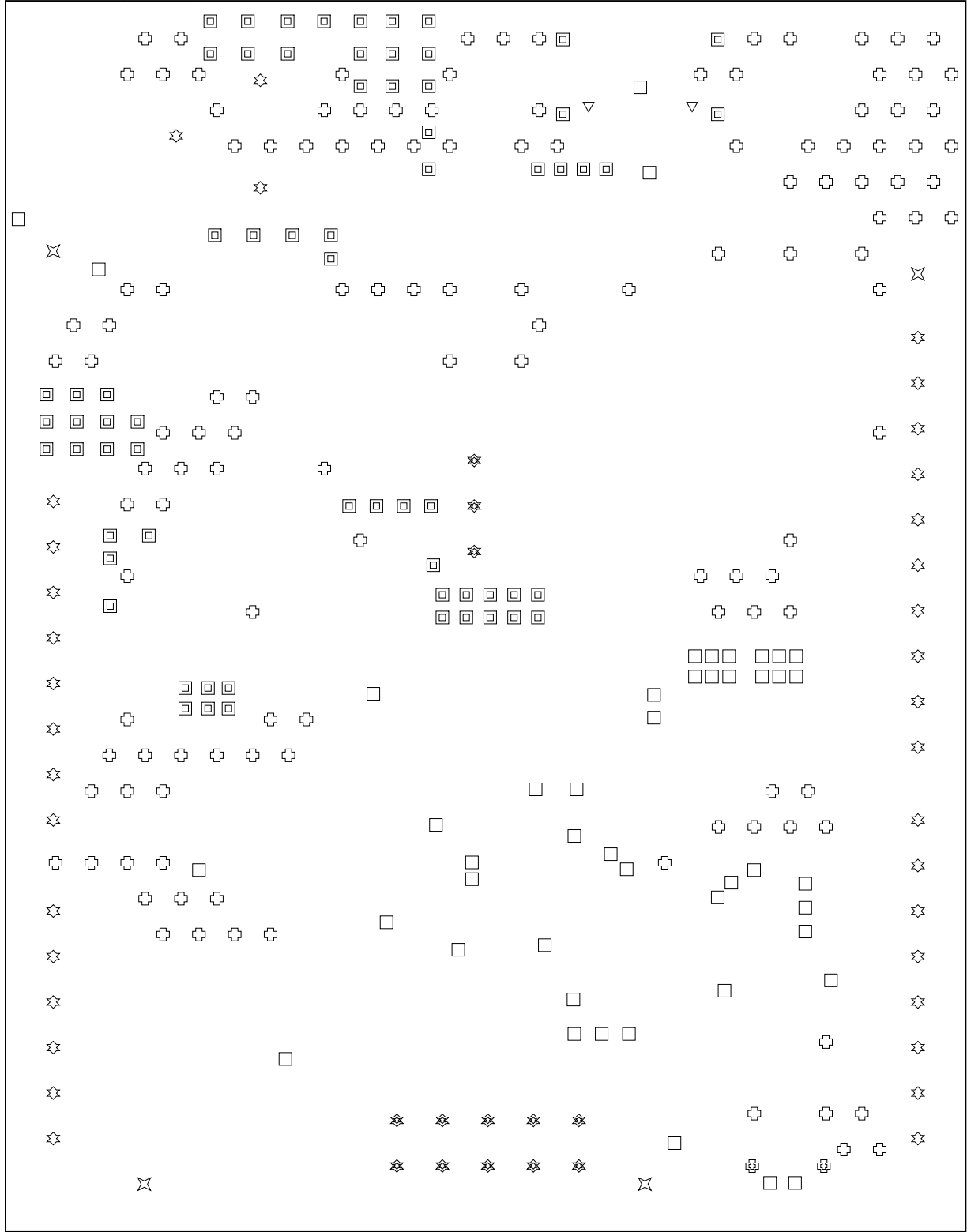


View from Bottom side (Scale 2:1)



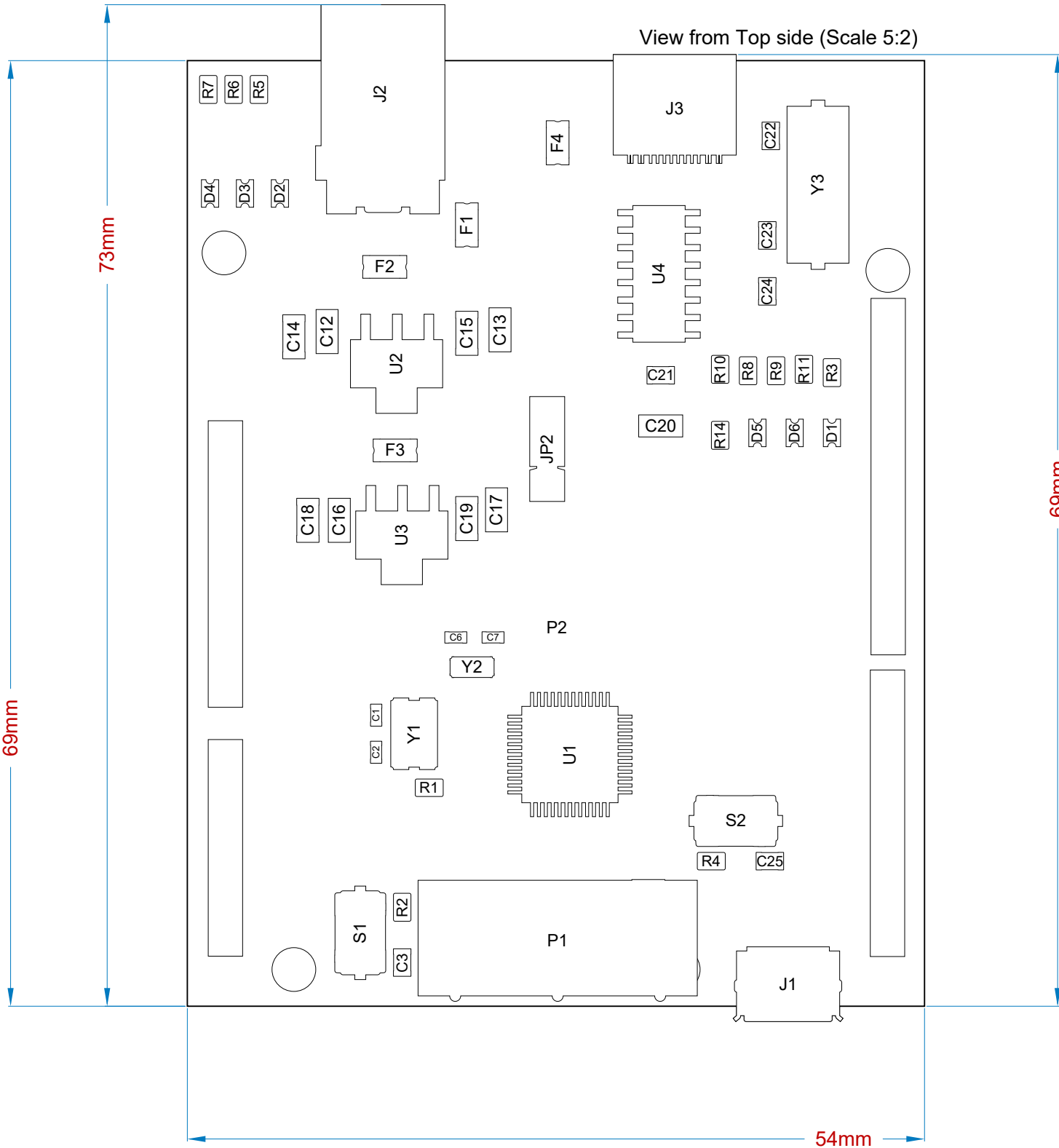
Title: <b>Bottom View</b>	Drawn by:	<b>Hossein Bagheri</b>	
Project: <b>STM32F103C8</b>	Revision: <b>1.0</b>	<b>aKaReZa</b>	
Company: <b>github.com/aKaReZa75</b>	Sheet <b>2</b> of <b>7</b>		



Drill Drawing View (Scale 3:1)



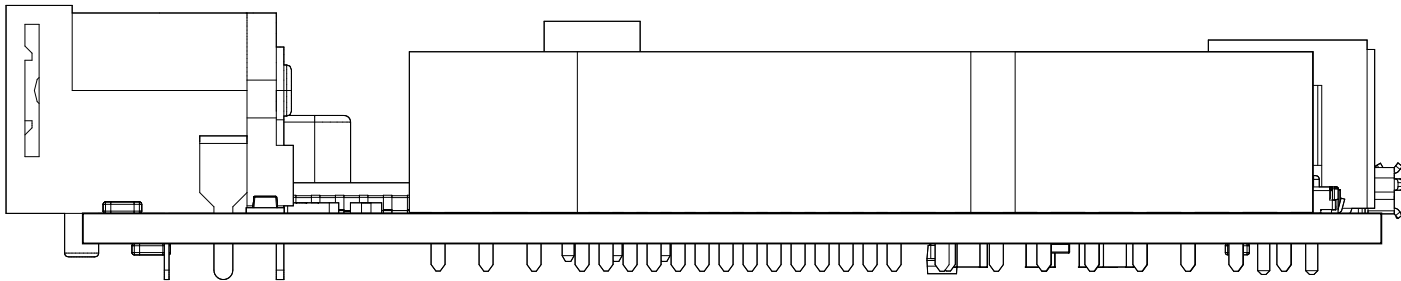
Drill Table				
Symbol	Count	Hole Size	Plated	Hole Tolerance
	47	0mm	Plated	
	129	0mm	Plated	
	2	1mm	Non-Plated	
	67	1mm	Plated	
	2	1mm	Plated	
	35	1mm	Plated	
	13	1mm	Plated	
	4	3mm	Plated	
299 Total				

View from Top side (Scale 5:2)

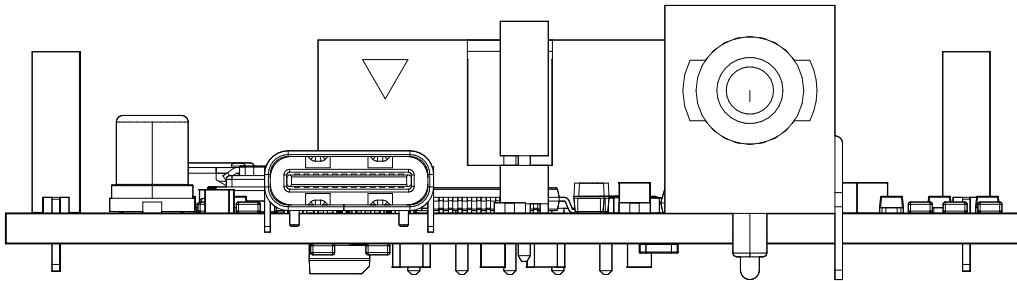


Title: <b>Drill Drawing and Dimensions</b>	Drawn by:	<b>Hossein Bagheri</b>	
Project: <b>STM32F103C8</b>	Revision: <b>1.0</b>		
Company: <b>github.com/aKaReZa75</b>	Sheet <b>3</b> of <b>7</b>		

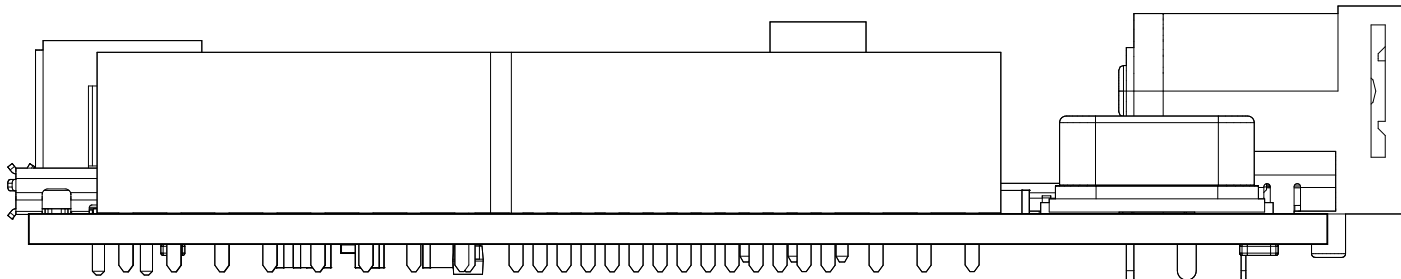
View from Left side (Scale 5:2)



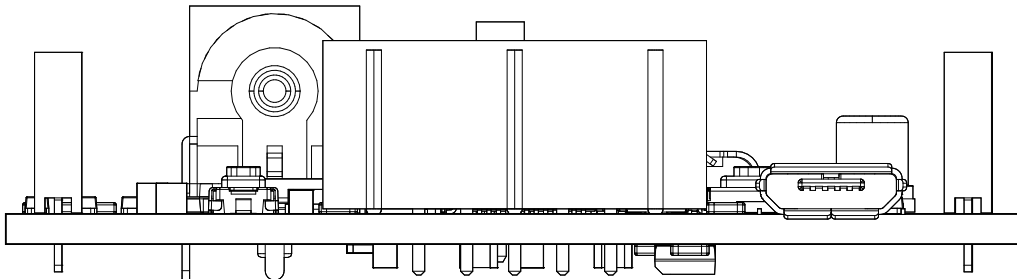
View from Back side (Scale 5:2)



View from Right side (Scale 5:2)

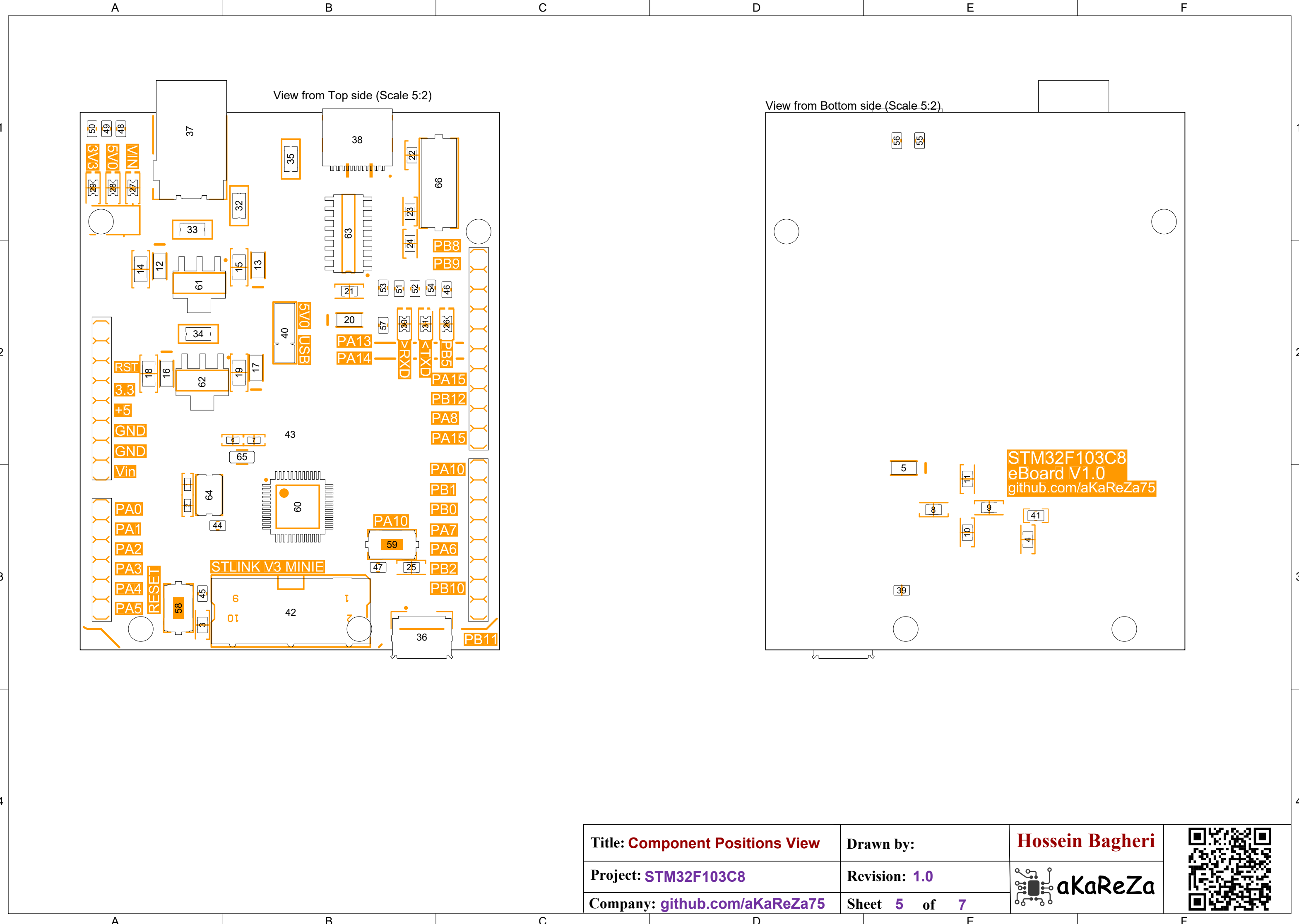


View from Front side (Scale 5:2)



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					



A		B		C		D		E		F	
Bill Of Materials											
Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value			
1	C1	20p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	20p			
2	C2	20p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	20p			
3	C3	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
4	C4	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
5	C5	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	10u			
6	C6	12.5p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	12.5p			
7	C7	12.5p	Cap_Multi_SMD	CAP 0603/1608	0603	Rating?	Type?	12.5p			
8	C8	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
9	C9	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
10	C10	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
11	C11	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
12	C12	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	16V	Tantalum	10u			
13	C13	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u			
14	C14	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
15	C15	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
16	C16	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	16V	Tantalum	10u			
17	C17	22u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	22u			
18	C18	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
19	C19	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	1206	50V	MultiLayer	100n			
20	C20	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3V	Tantalum	10u			
21	C21	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
22	C22	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
23	C23	22p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	22p			
24	C24	10n	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	10n			
25	C25	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
26	D1	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green			
27	D2	Yellow	Semi_LED_SMD	LED 0805/2012 YELLOW	Package?	Rating?	LED	Yellow			
28	D3	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
29	D4	Green	Semi_LED_SMD	LED 0805/2012 GREEN	Package?	Rating?	LED	Green			
30	D5	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
31	D6	Red	Semi_LED_SMD	LED 0805/2012 RED	Package?	Rating?	LED	Red			
32	F1	3A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	3A			
33	F2	0.5A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	0.5A			
34	F3	0.5A	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	0.5A			
35	F4	500m	Other_Elec_Fuse_SMD	1206_F	1206	Rating?	Fast	500m			
36	J1	Micro	Con_USB2_Micro	USB_Micro_Standard	Package?	Rating?	Type?	Micro			
37	J2	Female	Con_Power_Jack	Power Jack BIG	Package?	Rating?	Type?	Female			
38	J3	12b	Con_USB_C	HRO_TYPE-C-31-M-12 - Extended	SMD	Rating?	C	12b			
39	JP1	Jumper	Other_Elec_Jumper_0805	RESC2012M (0805)	0805	Rating?	Type?	Jumper			
40	JP2	0b	SW_Other_JSelector_Dip	jumper selector	Dip	Rating?	Selector	0b			
41	L1	100u	Ind_SMD_0805	IND0805	0805	Rating?	SMD	100u			
42	P1	STLinkV3-minie	Con_Prog_STLinkV3_SW	IDC2.54-10PIN	Package?	Rating?	SWD	STLinkV3-minie			
43	P2	UNO	Con_Arduino_UNO_Conn	ARDUINO_UNO_CONNECTOR	Package?	Rating?	Type?	UNO			

Title: **Bill of Materials**

Project: **STM32F103C8**


Company: **github.com/aKaReZa75**

Drawn by:

Revision: **1.0**

Sheet **6** of **7**

Hossein Bagheri

aKaReZa

