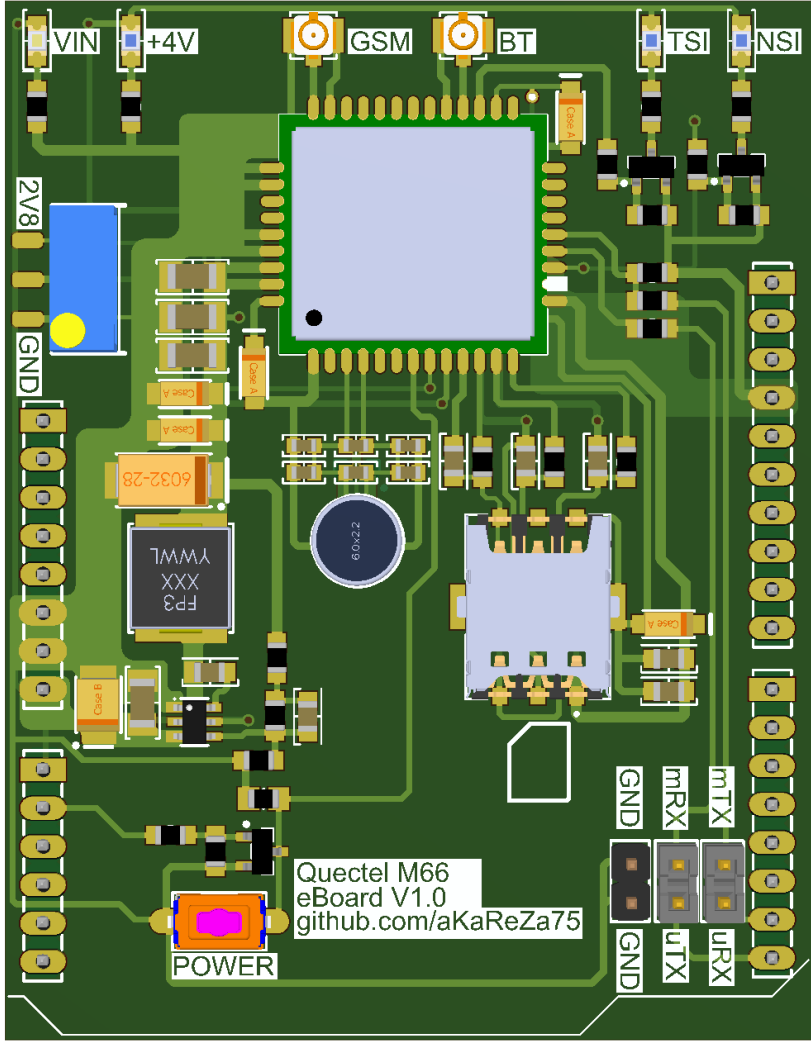
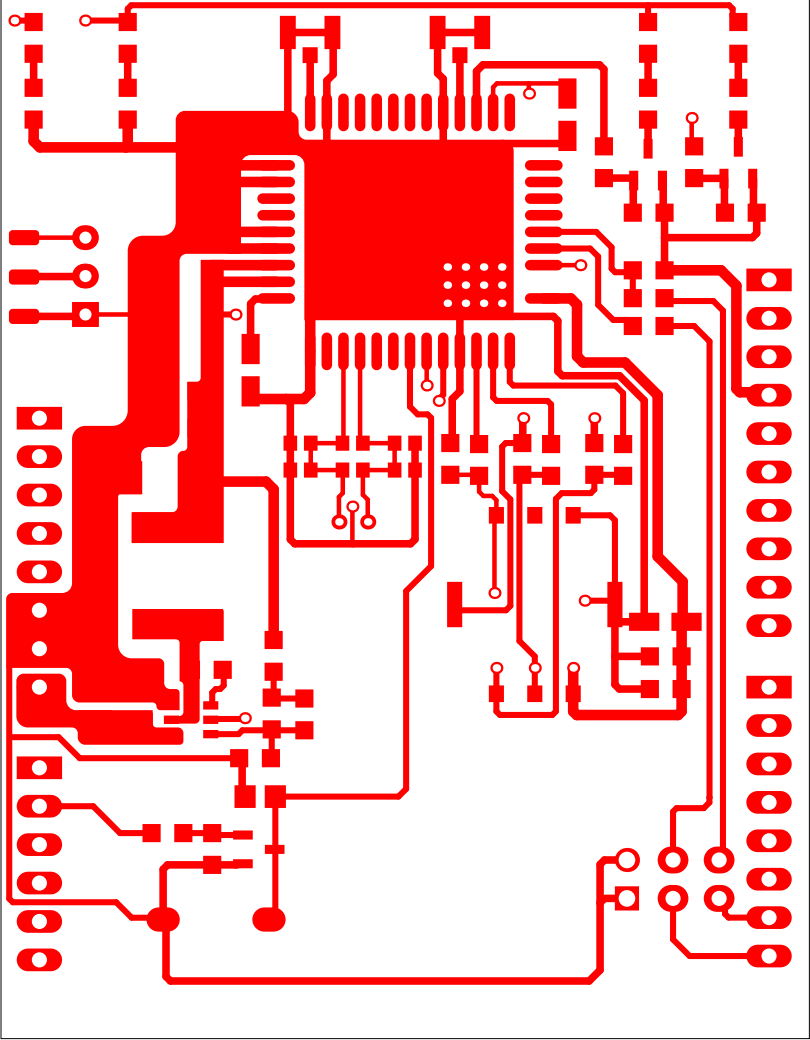


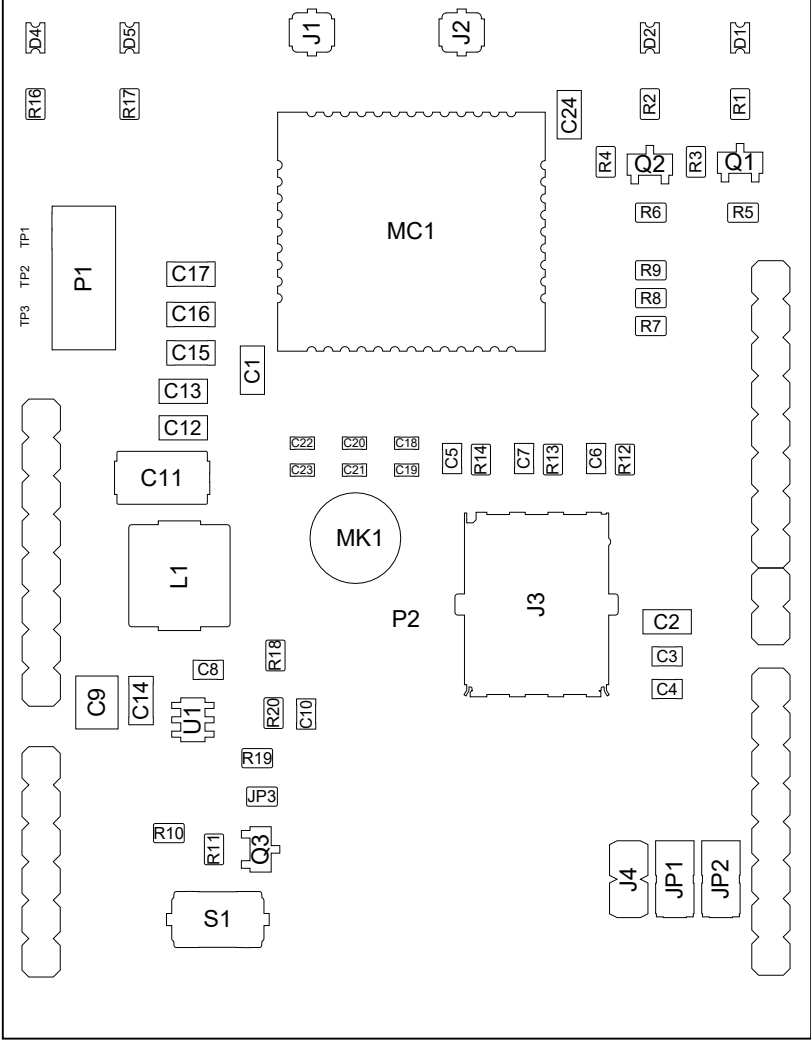
Realistic View



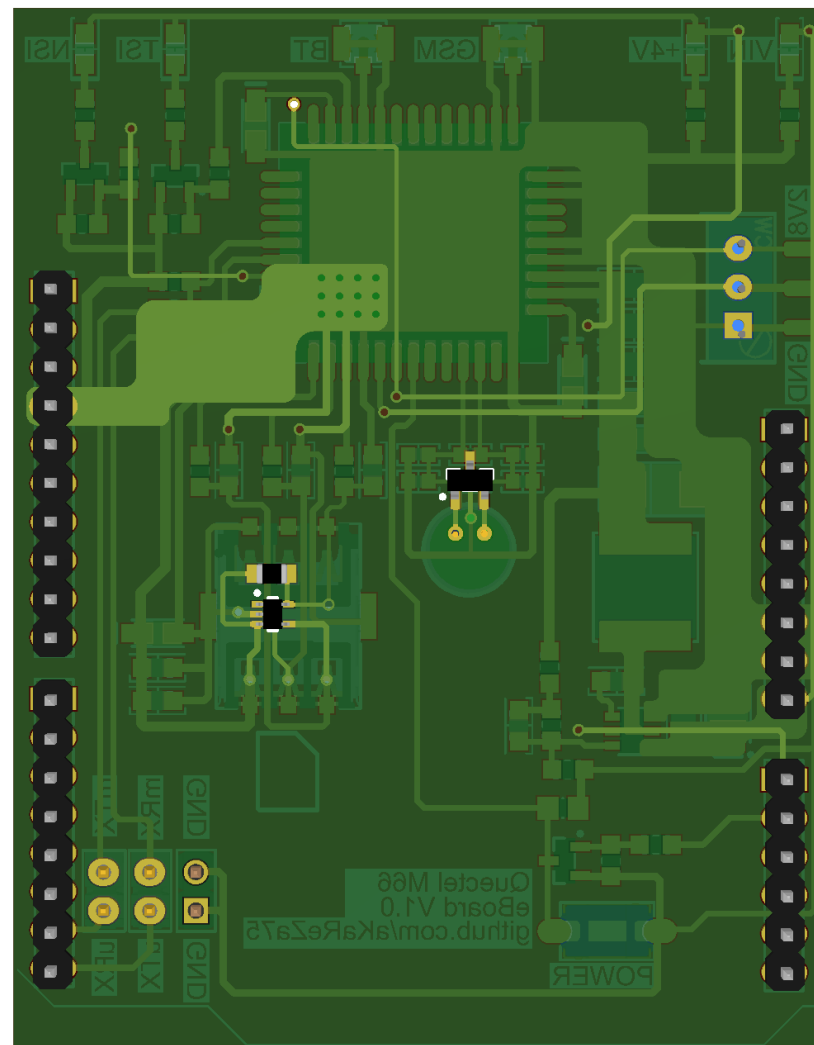
Top Layer (Scale 2:1)



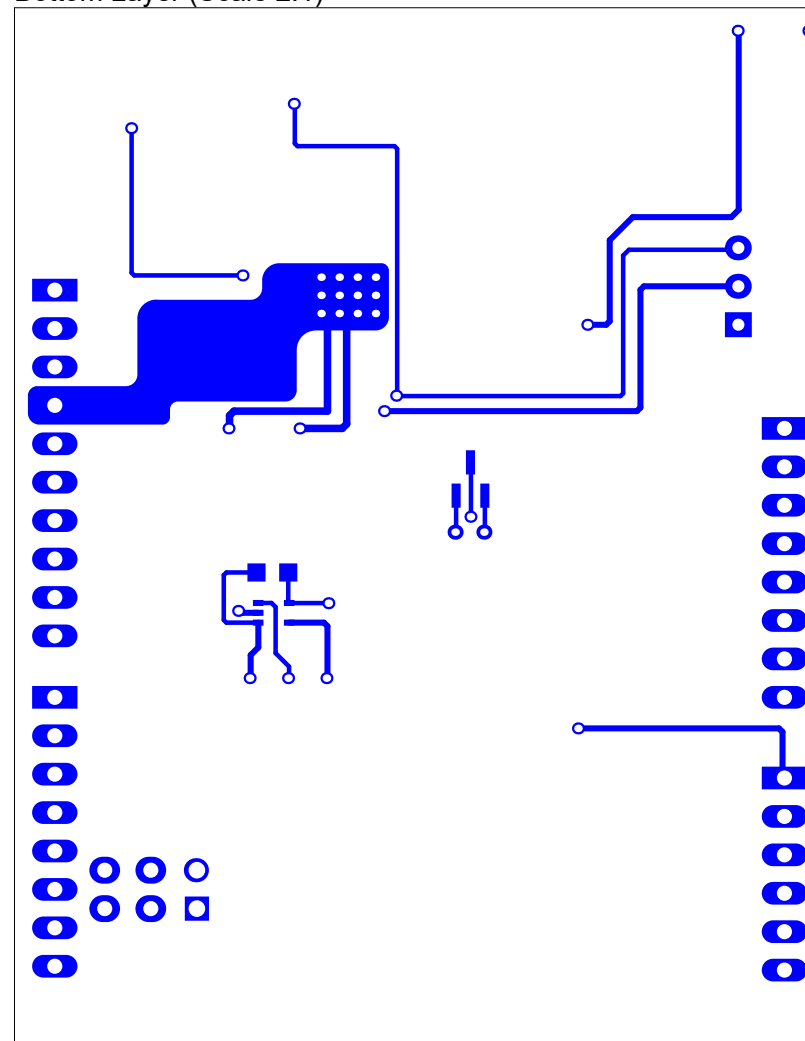
View from Top side (Scale 2:1)



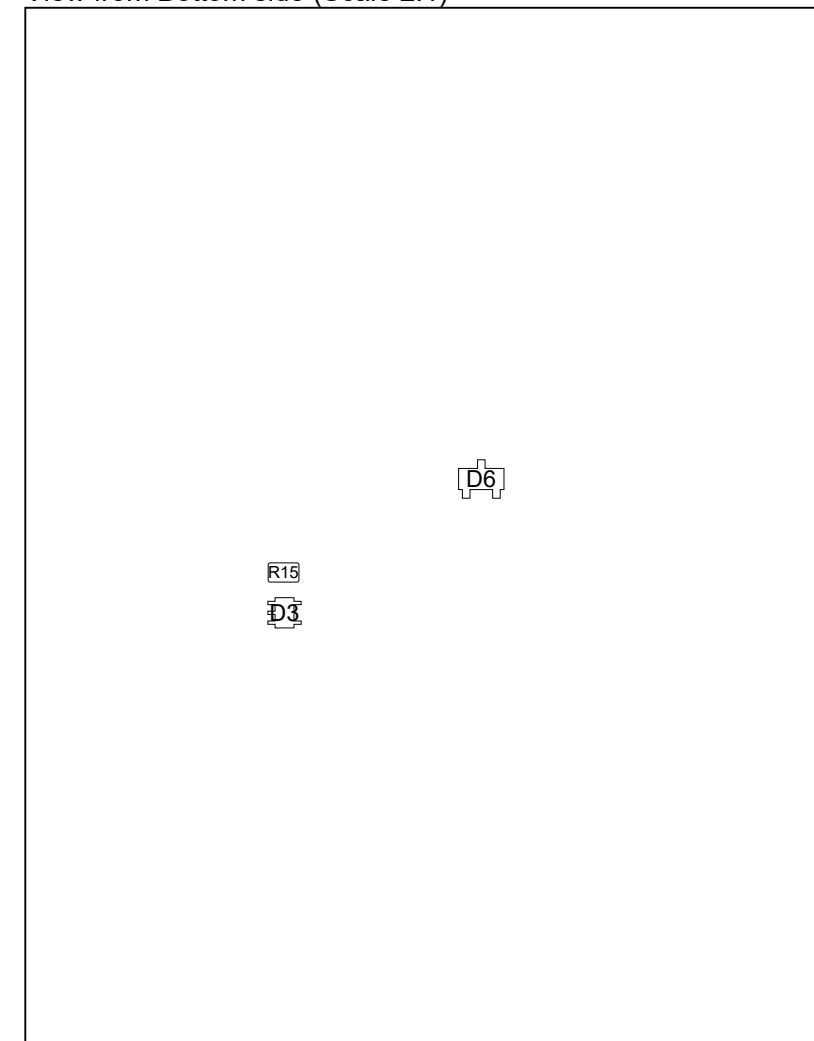
## Realistic View





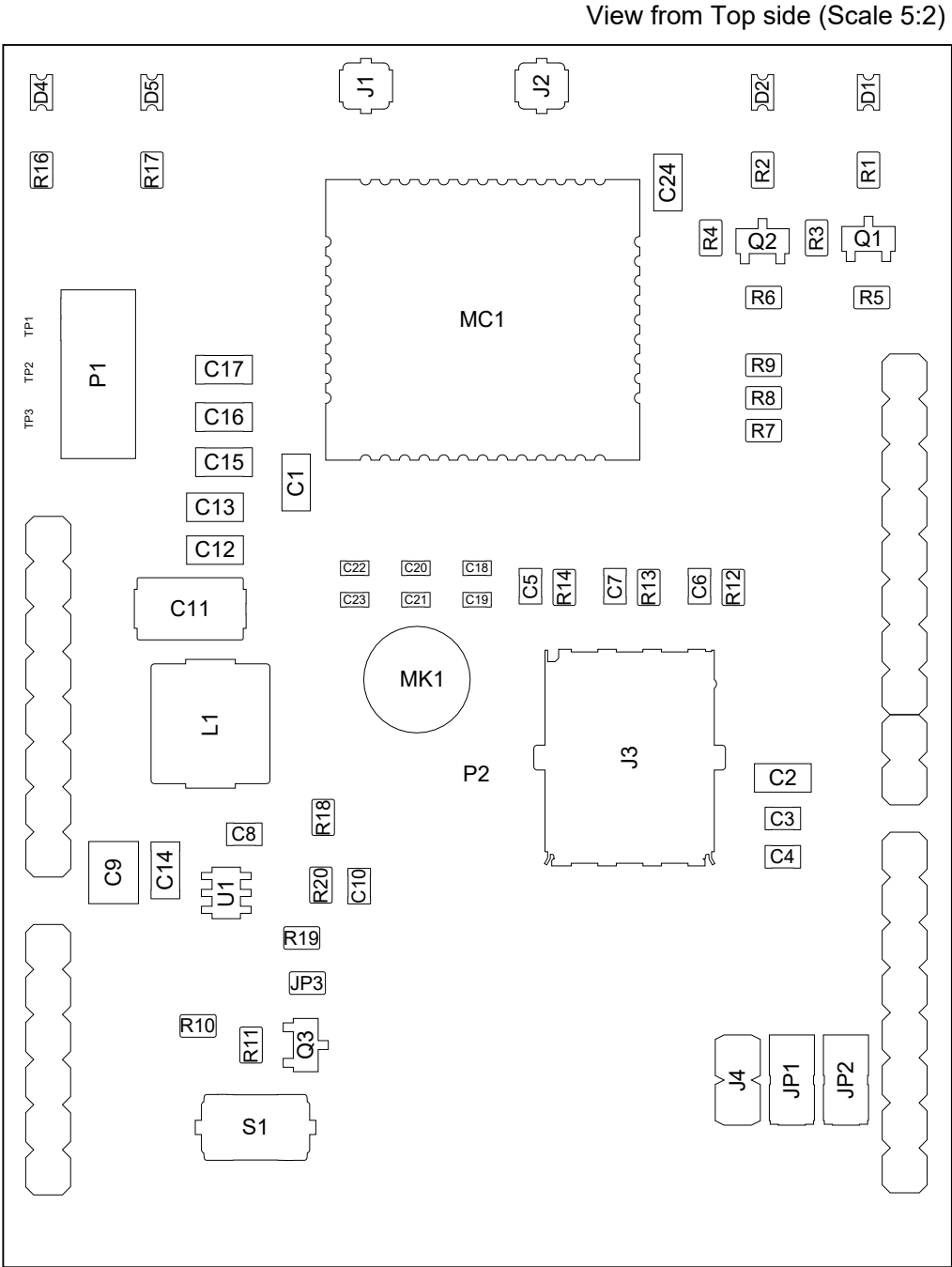
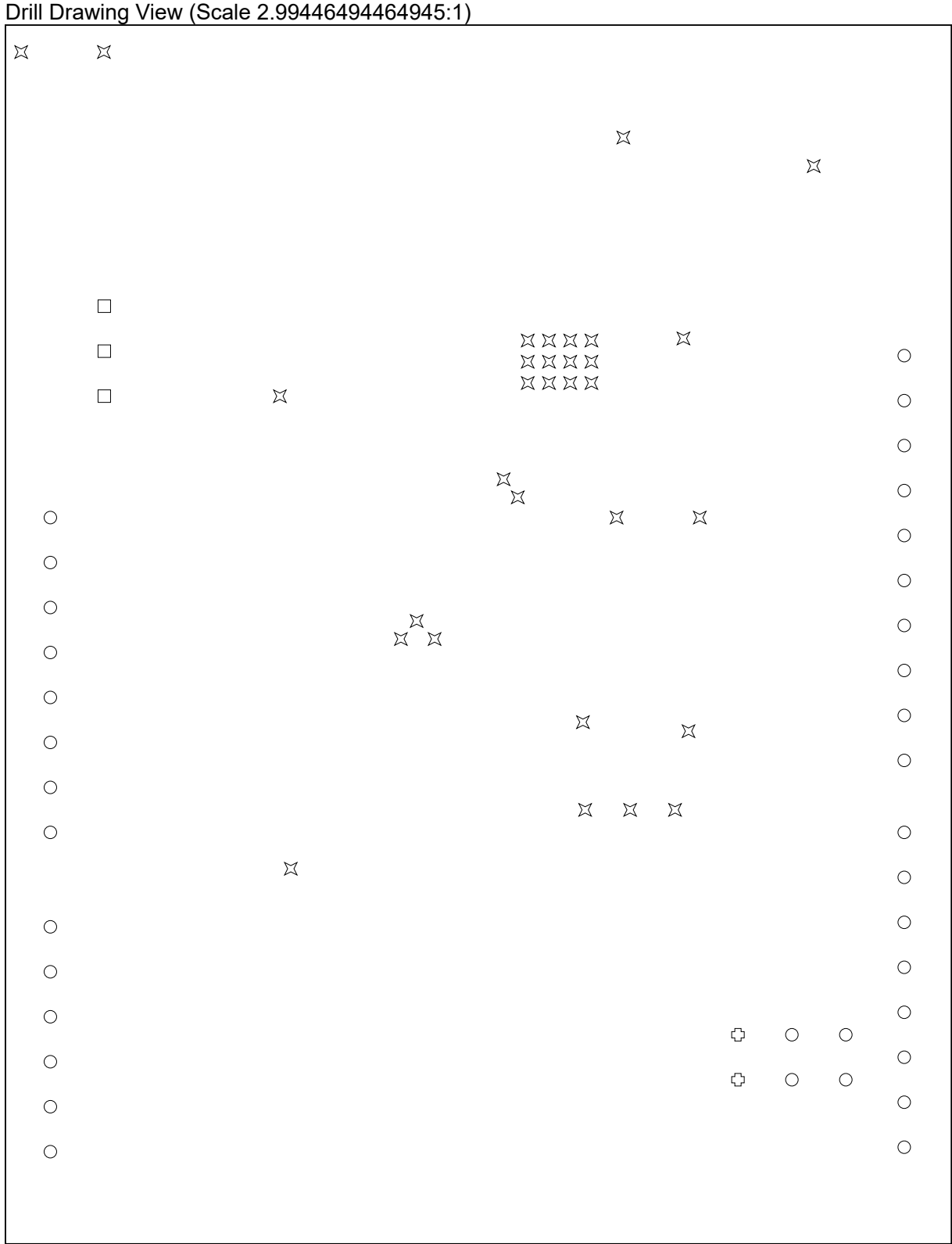
### Bottom Layer (Scale 2:1)



View from Bottom side (Scale 2:1)



<b>Title:</b> Bottom View	<b>Drawn by:</b>	<b>Hossein Bagheri</b>	
<b>Project:</b> Quectel M66	<b>Revision:</b> 1.0	 aKaReZa	
<b>Company:</b> <a href="https://github.com/aKaReZa75">github.com/aKaReZa75</a>	<b>Sheet</b> 2 <b>of</b> 7		

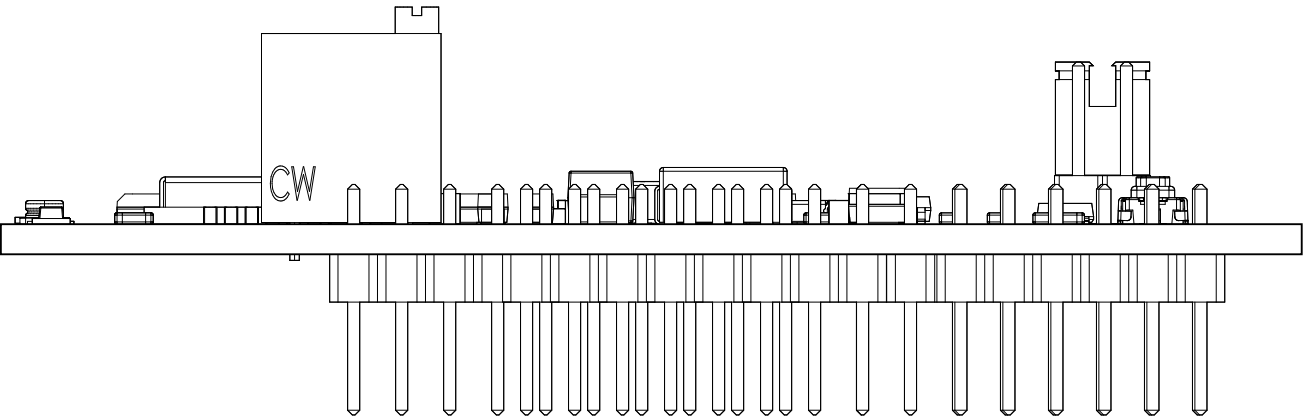


Drill Table

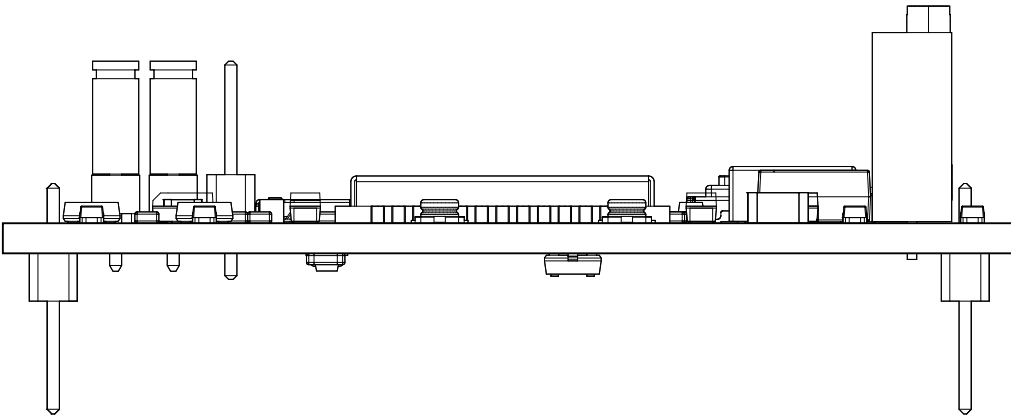
Symbol	Count	Hole Size	Plated	Hole Tolerance
✧	31	0mm	Plated	
◻	3	1mm	Plated	
○	36	1mm	Plated	
⊕	2	1mm	Plated	
72 Total				

Title: <b>Drill Drawing and Dimensions</b>	Drawn by:	<b>Hossein Bagheri</b>	
Project: <b>Quectel M66</b>	Revision: <b>1.0</b>	 <b>aKaReZa</b>	
Company: <b>github.com/aKaReZa75</b>	Sheet <b>3</b> of <b>7</b>		

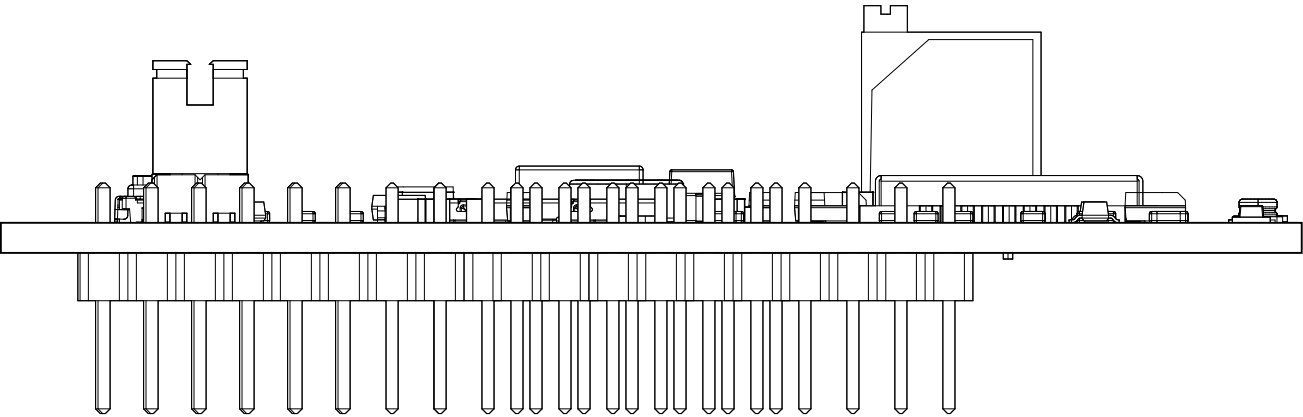
View from Left side (Scale 5:2)



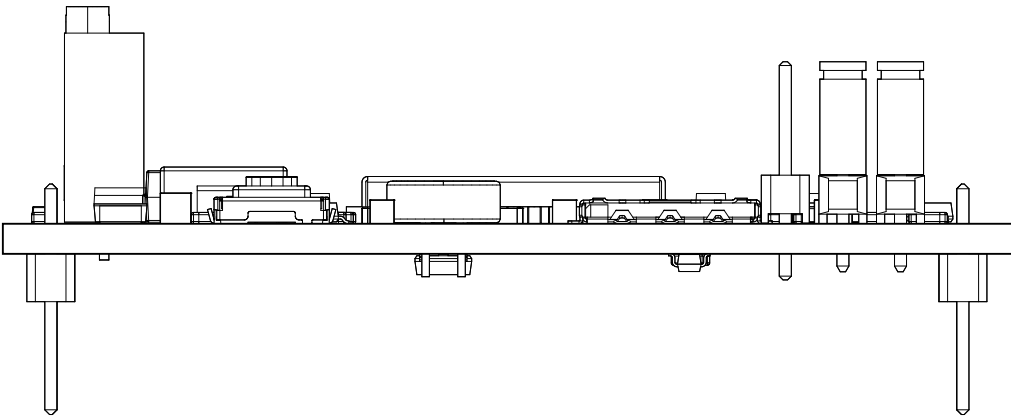
View from Back side (Scale 5:2)



View from Right side (Scale 5:2)

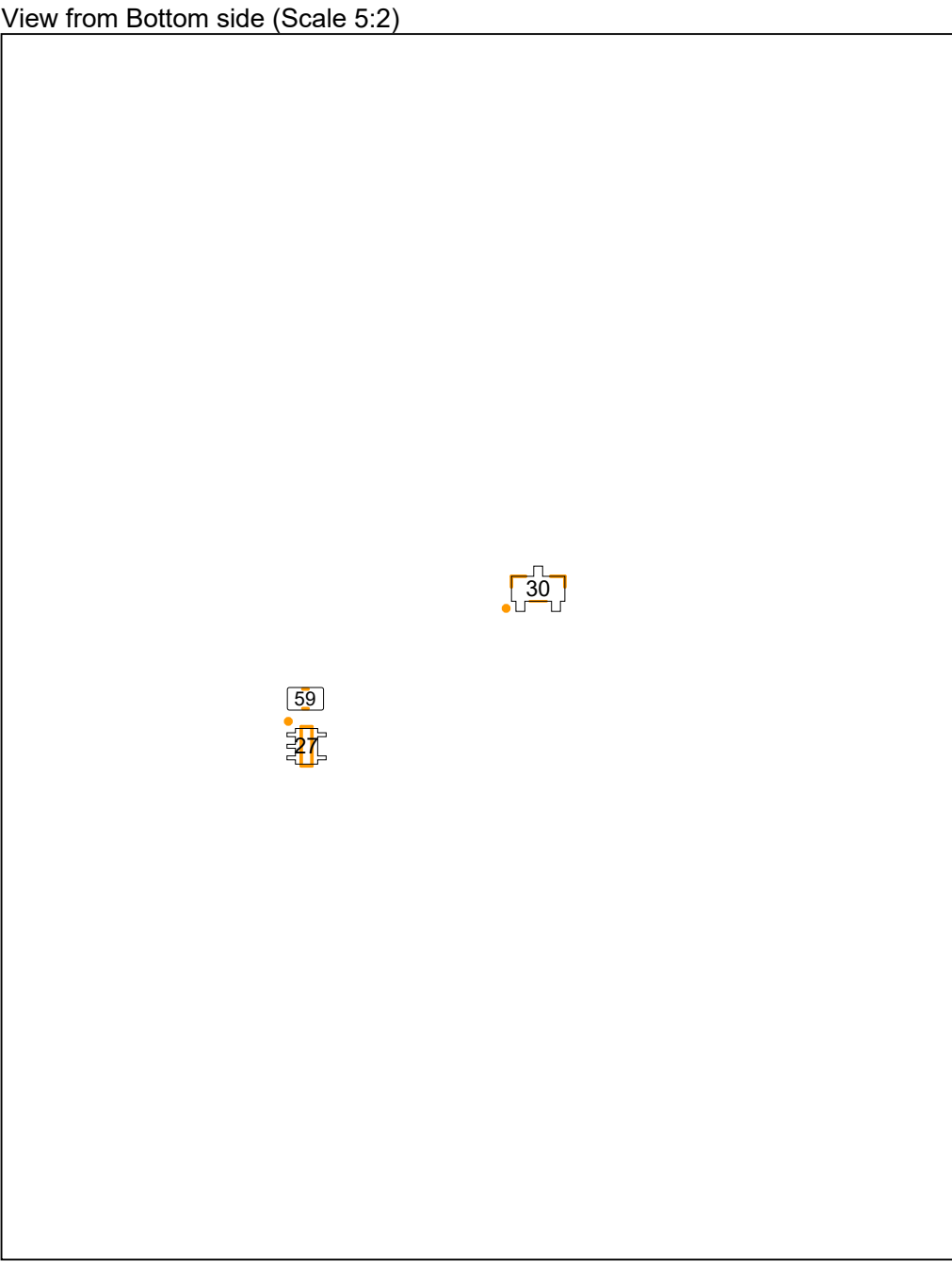
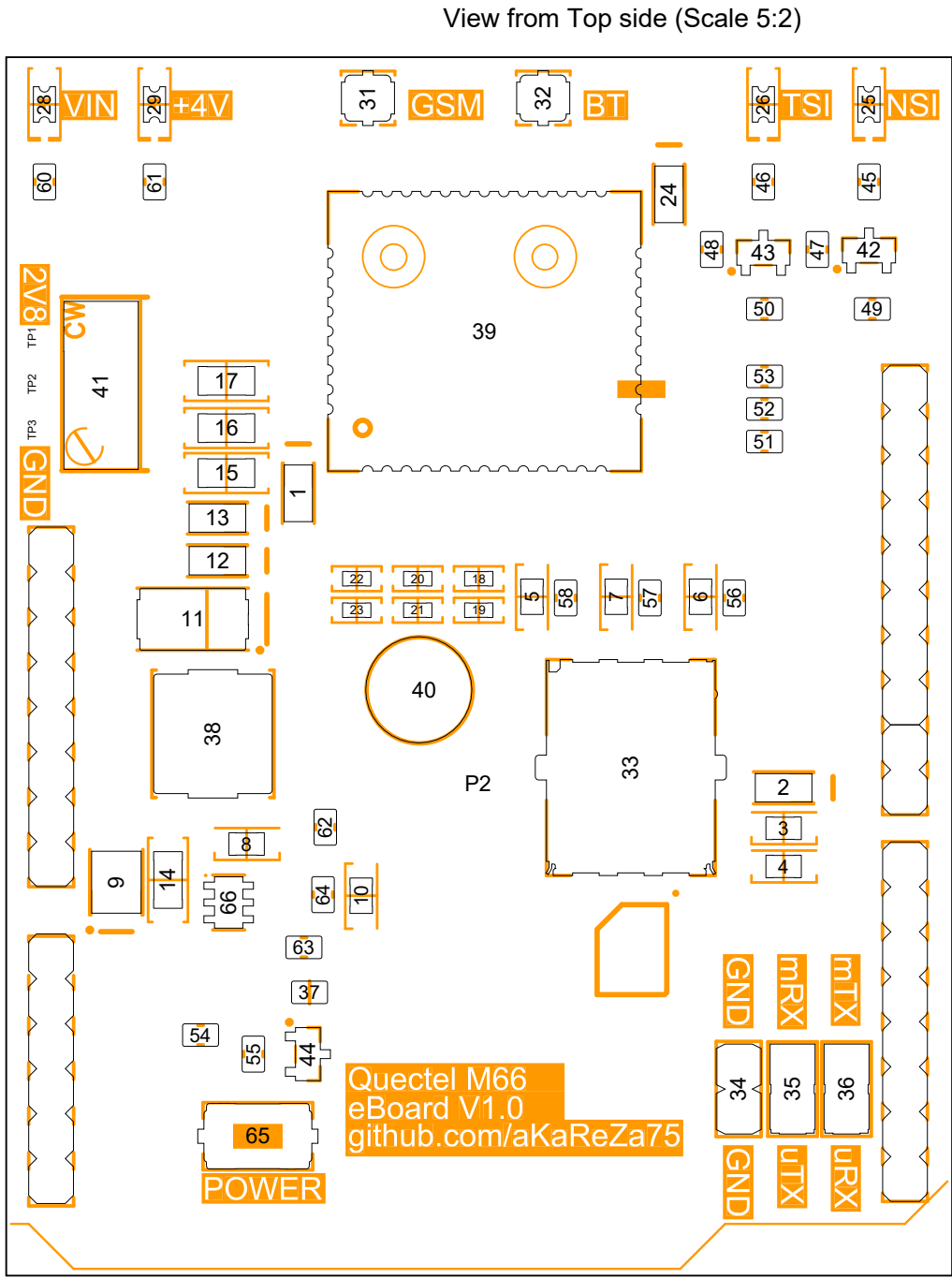




View from Front side (Scale 5:2)




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					



Title: <b>Component Positions View</b>	Drawn by:	<b>Hossein Bagheri</b>	
Project: <b>Quectel M66</b>	Revision: <b>1.0</b>	 <b>aKaReZa</b>	
Company: <b>github.com/aKaReZa75</b>	Sheet <b>5</b> of <b>7</b>		

A		B		C		D		E		F	
Bill Of Materials											
Line #	Designator	Comment	Library Ref	Footprint	Package	Rating	Type	Value			
1	C1	Value?	Cap_Tantalum	SMT_C_Tantalum_A	Package?	Rating?	Tantalum	Value?			
2	C2	Value?	Cap_Tantalum	SMT_C_Tantalum_A	Package?	Rating?	Tantalum	Value?			
3	C3	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
4	C4	Value?	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	Value?			
5	C5	Value?	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	Value?			
6	C6	Value?	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	Value?			
7	C7	Value?	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	Value?			
8	C8	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	0805	50V	MultiLayer	100n			
9	C9	10u	Cap_Tantalum	SMT_C_Tantalum_B	Package?	25v	Tantalum	10u			
10	C10	68p	Cap_Multi_SMD_0805	CAP 0805/2012	0805	Rating?	MultiLayer	68p			
11	C11	100u	Cap_Tantalum	SMT_C_Tantalum_C	SMD-C	6.3V	Tantalum	100u			
12	C12	10u	Cap_Tantalum	SMT_C_Tantalum_A	Package?	6.3v	Tantalum	10u			
13	C13	1u	Cap_Tantalum	SMT_C_Tantalum_A	SMD-A	6.3V	Tantalum	1u			
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	33p	Cap_Multi_SMD_1206	CAP 1206/3216	1206	50V	MultiLayer	33p			
17	C17	10p	Cap_Multi_SMD_1206	CAP 1206/3216	1206	50V	MultiLayer	10p			
18	C18	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
19	C19	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
20	C20	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
21	C21	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
22	C22	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
23	C23	Value?	Cap_Multi_SMD	CAP 0603/1608	Package?	Rating?	Type?	Value?			
24	C24	Value?	Cap_Tantalum	SMT_C_Tantalum_A	Package?	Rating?	Tantalum	Value?			
25	D1	Value?	Semi_LED_SMD	LED 0805/2012 BLUE	Package?	Rating?	LED	Value?			
26	D2	Value?	Semi_LED_SMD	LED 0805/2012 BLUE	Package?	Rating?	LED	Value?			
27	D3	SMF-05	Semi_Diod_TV_S_SMF05	SC70-5_N	SC70-5	Rating?	TVS	SMF-05			
28	D4	Yellow	Semi_LED_SMD	LED 0805/2012 YELLOW	Package?	Rating?	LED	Yellow			
29	D5	Blue	Semi_LED_SMD	LED 0805/2012 BLUE	Package?	Rating?	LED	Blue			
30	D6	SM712	Semi_Diod_TV_S_SM712	SOT23_M	Package?	Rating?	Type?	SM712			
31	J1	U.FL	Con_RF_U.FL	IPEX-3x3mm	SMD	Rating?	RF	U.FL			
32	J2	U.FL	Con_RF_U.FL	IPEX-3x3mm	SMD	Rating?	RF	U.FL			
33	J3	6'Pin	Con_Socket_SimCard_1	GCT_SIM8051_Plastik	SMD	Rating?	Nano	6'Pin			
34	J4	2	Con_MPH_2x1_V_THT_2.54	HDR_THT_2M_2.54m	Package?	Rating?	Type?	2			
35	JP1	2'Pin	SW_Other_Jumper	Jumper Small - 2.54 - GRAY	Package?	Rating?	Type?	2'Pin			
36	JP2	2'Pin	SW_Other_Jumper	Jumper Small - 2.54 - GRAY	Package?	Rating?	Type?	2'Pin			
37	JP3	Jumper	Other_Elec_Jumper_0805	RESC2012M (0805)	0805	Rating?	Type?	Jumper			
38	L1	10u	Ind_SMD	L_7	Package?	3.8A	Type?	10u			
39	MC1	M66	ModSen_Com_M66	m66	Dip	Rating?	GSM-GPRS	M66			
40	MK1	Mic	Other_Elec_Microphone	mic6	Package?	Rating?	Type?	Mic			
41	P1	Value?	Res_Multi	Multi turn 01	Package?	Rating?	Type?	Value?			
42	Q1	NPN	Semi_BJT_BC817	SOT23_N	Package?	Rating?	Type?	NPN			
43	Q2	NPN	Semi_BJT_BC817	SOT23_N	Package?	Rating?	Type?	NPN			
44	Q3	NPN	Semi_BJT_BC817	SOT23_N	Package?	Rating?	Type?	NPN			
45	R1	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
46	R2	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
47	R3	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
48	R4	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
49	R5	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
50	R6	Value?	Res_SMD_0805	RES 0805 (2012X06L)	0805	0.125W	10%	Value?			
						Title: <b>Bill of Materials</b>		Drawn by:		Hossein Bagheri	
						Project: <b>Quectel M66</b>		Revision: <b>1.0</b>			
						Company: <b>github.com/aKaReZa75</b>		Sheet <b>6</b> of <b>7</b>			
A		B		C		D		E		F	

