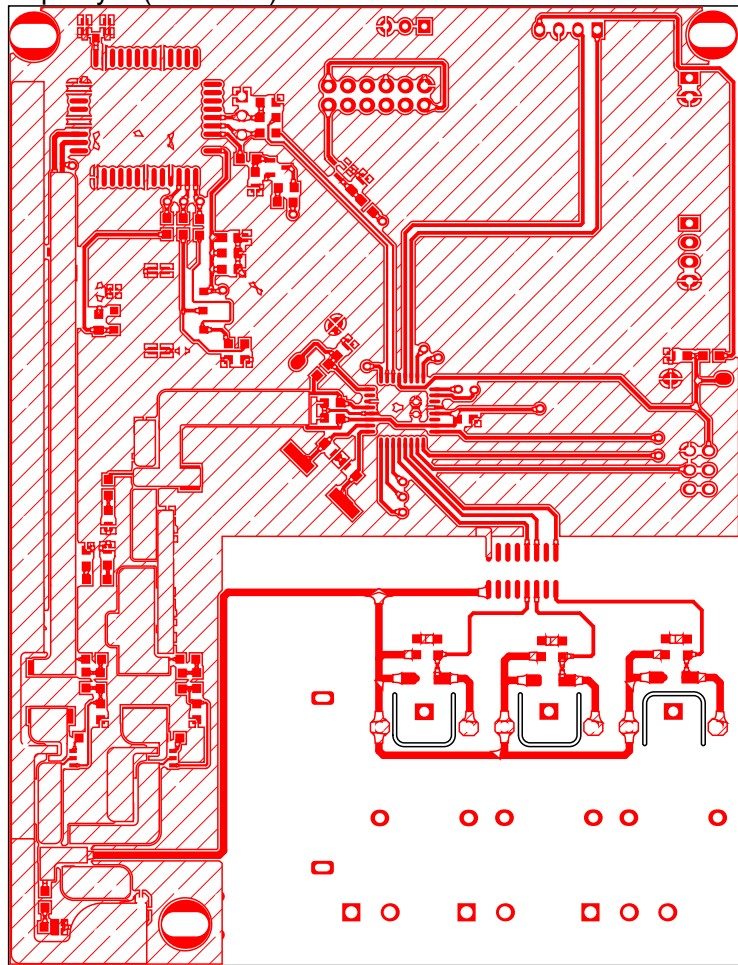
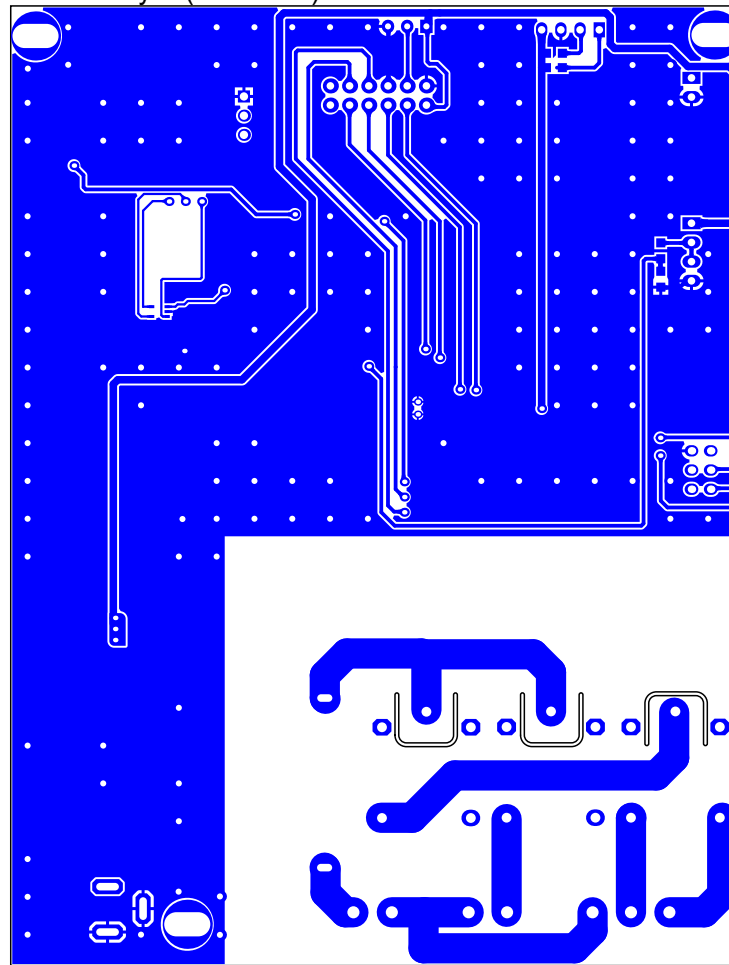
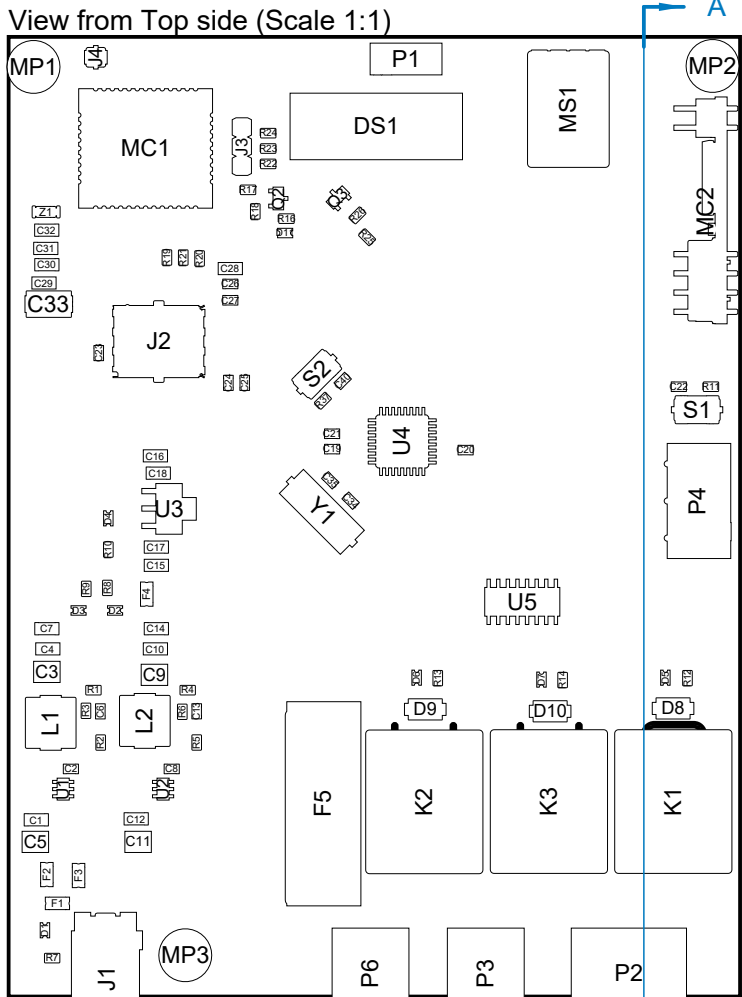


Top Layer (Scale 1:1)

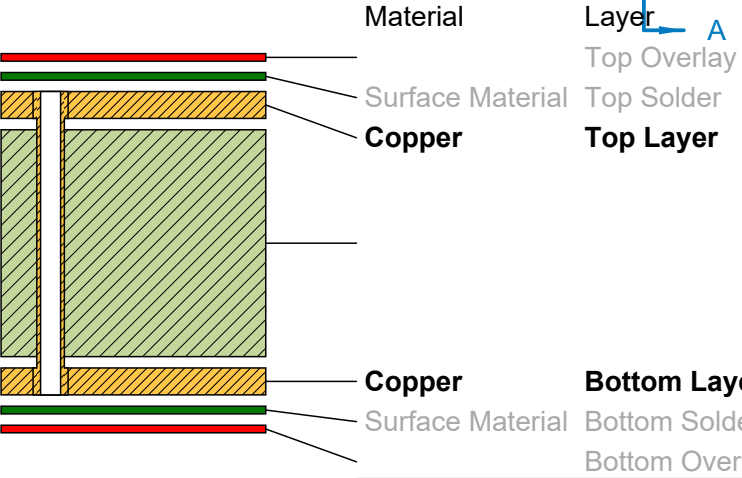


Bottom Layer (Scale 1:1)





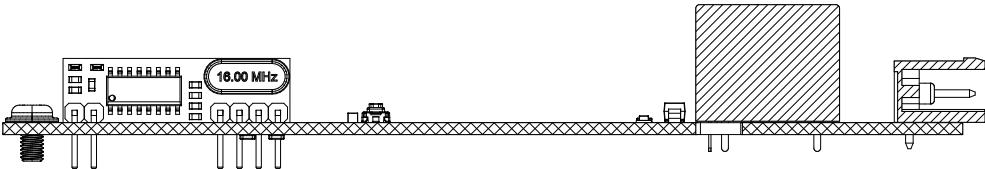
Layer Stack Legend



Thickness	Dielectric Material	Type	Gerber
		Legend	GTO
0.01mm	Solder Resist	Solder Mask	GTS
0.04mm		Signal	GTL
1.50mm	FR-4	Dielectric	
0.04mm		Signal	GBL
0.01mm	Solder Resist	Solder Mask	GBS
		Legend	GBO

Total thickness: 1.59mm

SECTION A-A (Scale 1:1)



A 20x20 grid with various symbols. The symbols include plus signs (+), triangles (▽), crosses (X), circles (○), and squares (□). The symbols are distributed across the grid, with some appearing in clusters and others in isolation. The symbols are black and the background is white.

Symbol	Count	Hole Size	Plated	Hole Tolerance
⊗	24	0.60mm	Plated	
⊕	139	0.80mm	Plated	
▽	33	1.00mm	Plated	
○	3	1.10mm	Plated	
□	15	1.30mm	Plated	
▣	7	1.60mm	Plated	
◎	3	3.20mm	Plated	
	224 Total			

A		B		C		D		E	
Bill Of Materials									
Line #	Comment	Library Ref	Footprint	Inflow	Rating	Type	Value		
1	100n	Cap_Multi_SMD_100nF_1206	CAP 1206/3216	inflow?	50V	MultiLayer	100n	1	
2	100n	Cap_Multi_SMD_100nF_0805	CAP 0805/2012	inflow?	50V	MultiLayer	100n		
3	47u	Cap_Tantalum	SMT_C_Tantalum_B	inflow?	6.3v	Tantalum	47u		
4	10u	Cap_Tantalum	SMT_C_Tantalum_A, SMT_C_Tantalum_B	inflow?	6.3v, 25v	Tantalum	10u		
5	68p	Cap_Multi_SMD_0805	CAP 0805/2012	inflow?	Rating?	MultiLayer	68p		
6	22u	Cap_Tantalum	SMT_C_Tantalum_A	inflow?	6.3v	Tantalum	22u		
7	33p	Cap_Multi_SMD_0805	CAP 0805/2012	inflow?	Rating?	MultiLayer	33p		
8	1u	Cap_Tantalum	SMT_C_Tantalum_A	inflow?	6.3V	Tantalum	1u		
9	10p	Cap_Multi_SMD_1206	CAP 1206/3216	inflow?	50V	MultiLayer	10p		
10	33p	Cap_Multi_SMD_1206	CAP 1206/3216	inflow?	50V	MultiLayer	33p		
11	100u	Cap_Tantalum	SMT_C_Tantalum_C	inflow?	6.3V	Tantalum	100u		
12	22p	Cap_Multi_SMD_0805	CAP 0805/2012	inflow?	Rating?	MultiLayer	22p		
13	Yellow	Semi_LED_SMD	LED 0805/2012 YELLOW	inflow?	Rating?	LED	Yellow	2	
14	Red	Semi_LED_SMD	LED 0805/2012 RED	inflow?	Rating?	LED	Red		
15	Blue	Semi_LED_SMD	LED 0805/2012 BLUE	inflow?	Rating?	LED	Blue		
16	Green	Semi_LED_SMD	LED 0805/2012 GREEN	inflow?	Rating?	LED	Green		
17	1N5819	Semi_Diod_Sch_1N5819_SMD	430X270D	inflow?	Rating?	Schottky	1N5819	3	
18	SMF-05	Semi_Diod_TV5_SMF05	SC70-5_N	inflow?	Rating?	TVS	SMF-05		
19	16x2	ModSen_LCD_CH_16x2_Box	BOX- HDR-2x6-2.54mm-S	8116	Rating?	Alphanumeric	16x2		
20	3A	Other_Elec_Fuse_SMD	1206_F	inflow?	Rating?	Fast	3A		
21	2A	Other_Elec_Fuse_SMD	1206_F	inflow?	Rating?	Fast	2A		
22	1A	Other_Elec_Fuse_SMD	1206_F	inflow?	Rating?	Fast	1A		
23	0.5A	Other_Elec_Fuse_SMD	1206_F	inflow?	Rating?	Fast	0.5A		
24	5A	Other_Elec_Fuse_THT	FUSE BLX 20x5	inflow?	Rating?	Type?	5A		
25	Female	Con_Power_Jack	Power Jack BIG	6127	Rating?	Type?	Female		
26	6'Pin	Con_Socket_SimCard_1	GCT_SIM8051_Plastik	inflow?	Rating?	Nano	6'Pin		
27	3	Con_MPH_3x1_V_THT_2.54	HDR_THT_3M_2.54m m	7152	Rating?	Type?	3		
28	U.FL	Con_RF_U.FL	IPEX-3x3mm	inflow?	Rating?	RF	U.FL		
29	12V	SW_Relay_SPDT	Relay 18.85x15.35x15.70	inflow?	Rating?	SPDT	12V	4	
30	10u	Ind_SMD	L_7	inflow?	3.8A	Type?	10u		
31	M66	ModSen_Com_M66	m66	inflow?	Rating?	GSM-GPRS	M66		
32	RXB22	ModSen_Com_RXB22_433	RF_ETRXB	8251	433M	Learning	RXB22		
33	M3	Other_Mech_Screw	SCREW-M3	8243	Rating?	Screw	M3		
34	AHT20	ModSen_AHT20	AHT20	inflow?	Rating?	Air T&H	AHT20		
35	10K	Res_Multi	Multi turn 01	inflow?	Rating?	Type?	10K		
36	Value?	Con_Power_3	Phoenix_3PIN_RA_P5.08mm	inflow?	3b	Type?	Value?		
37	2'Pin	Con_Power_2	Phoenix_2PIN_RA_P5.08mm	inflow?	Rating?	Type?	2'Pin		

Bill Of Materials

[illegible]