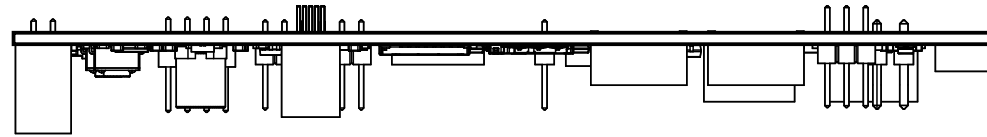
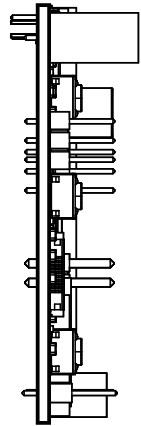


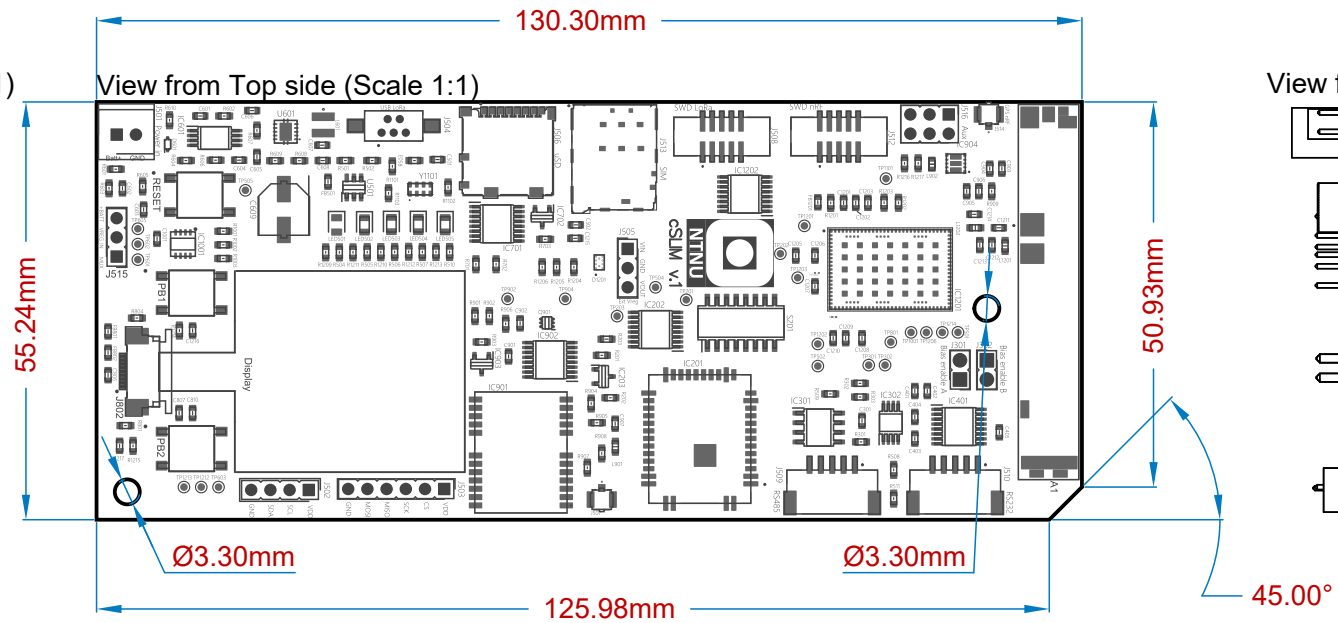
View from Back side (Scale 1:1)



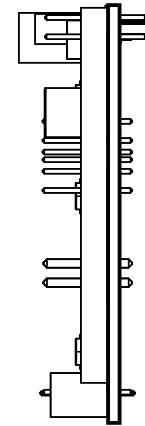
View from Left side (Scale 1:1)



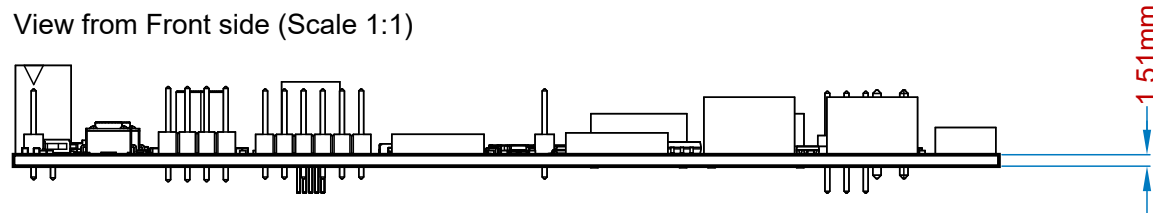
View from Top side (Scale 1:1)



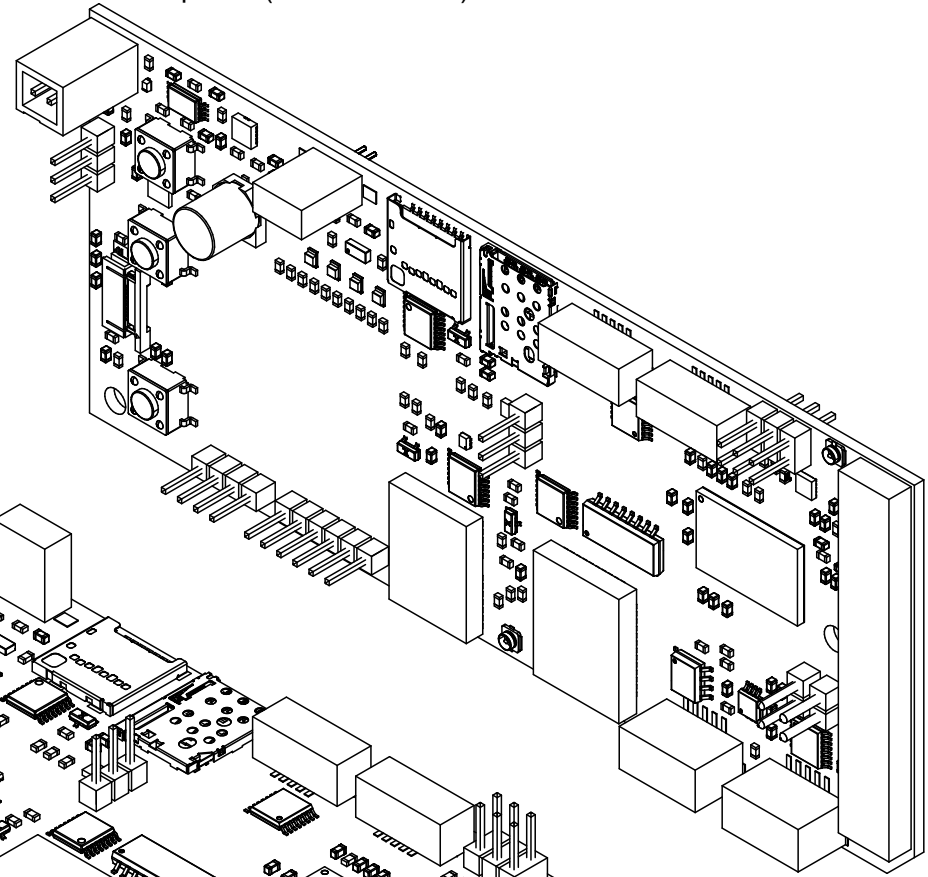
View from Right side (Scale 1:1)



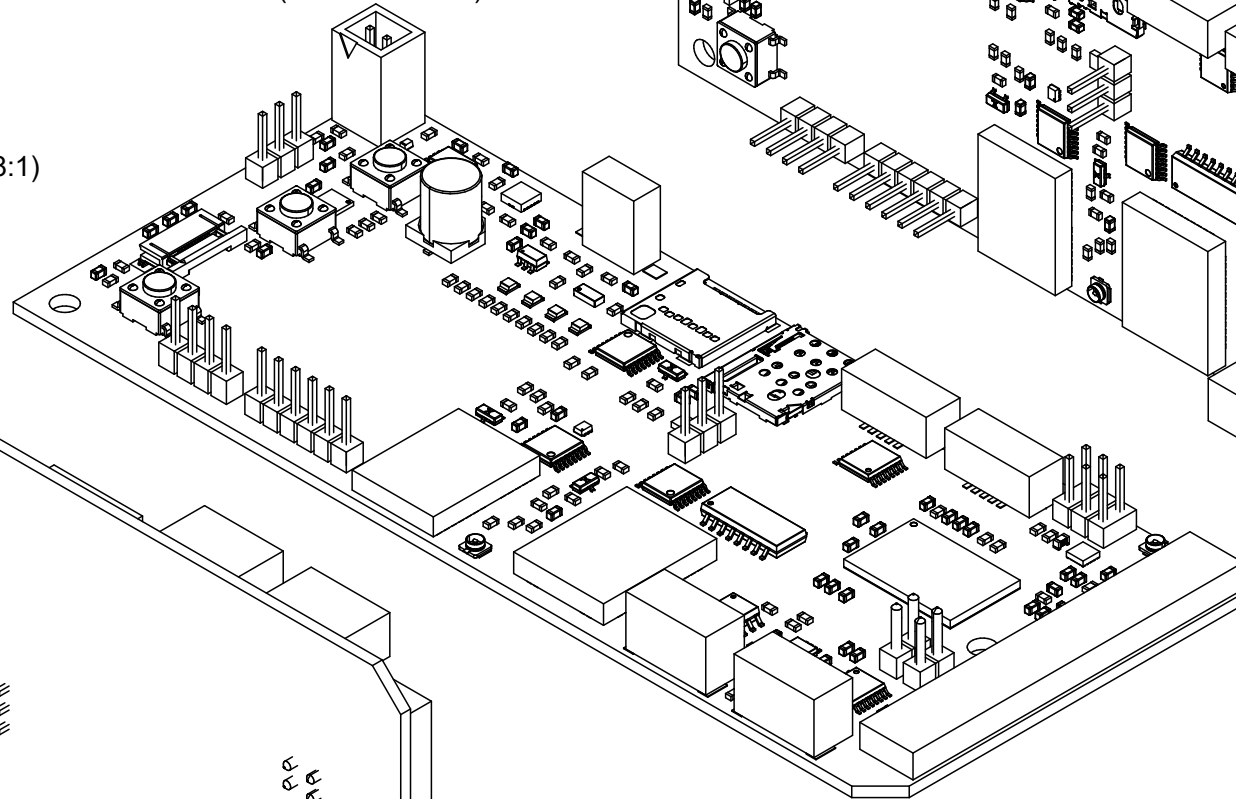
View from Front side (Scale 1:1)



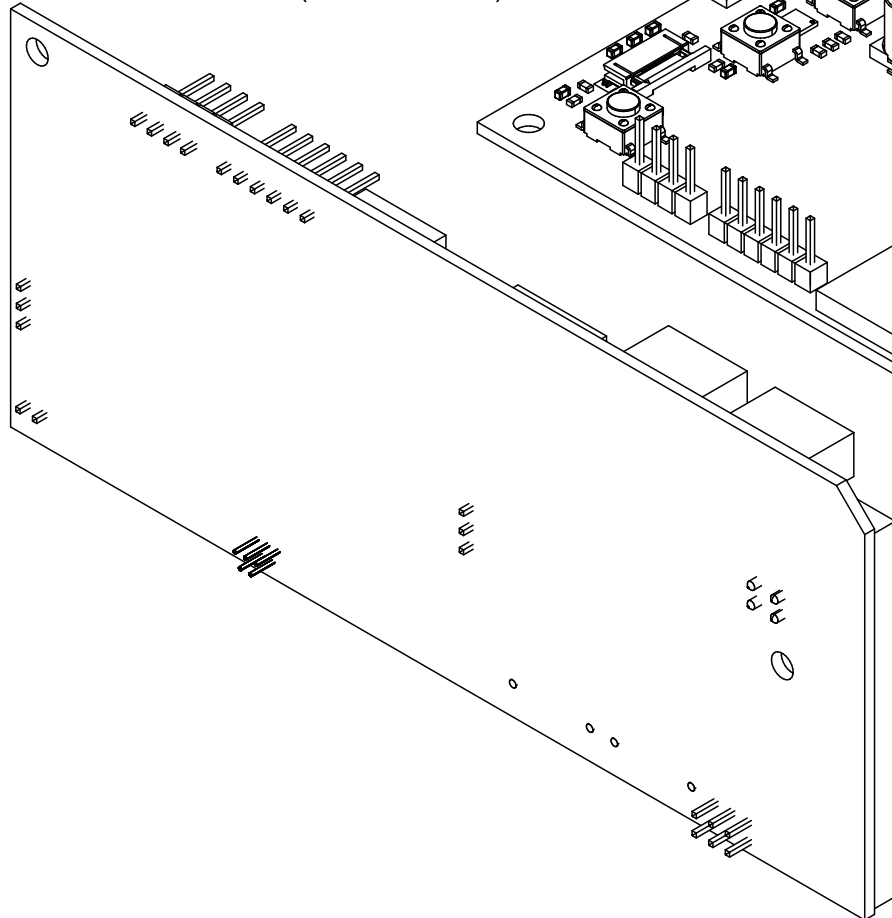
View from Top side (Scale 1.1838:1)



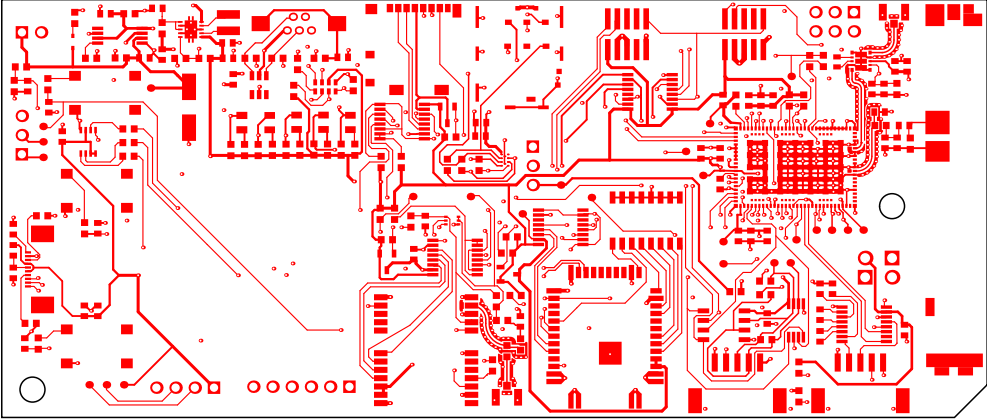
View from Front side (Scale 1.2446:1)



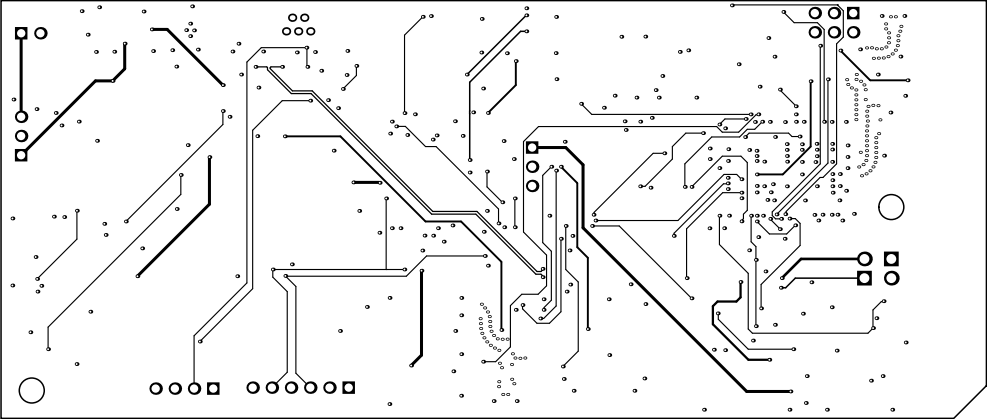
View from Bottom side (Scale 1.2258:1)



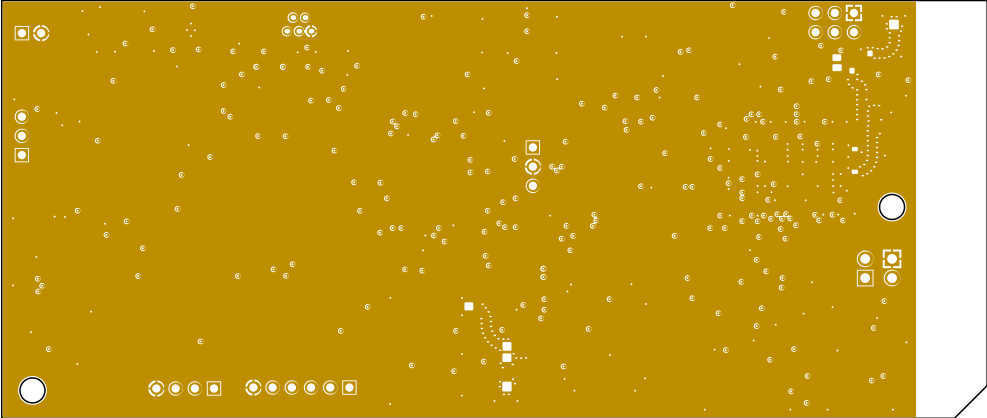
Top Layer (Scale 1:1)



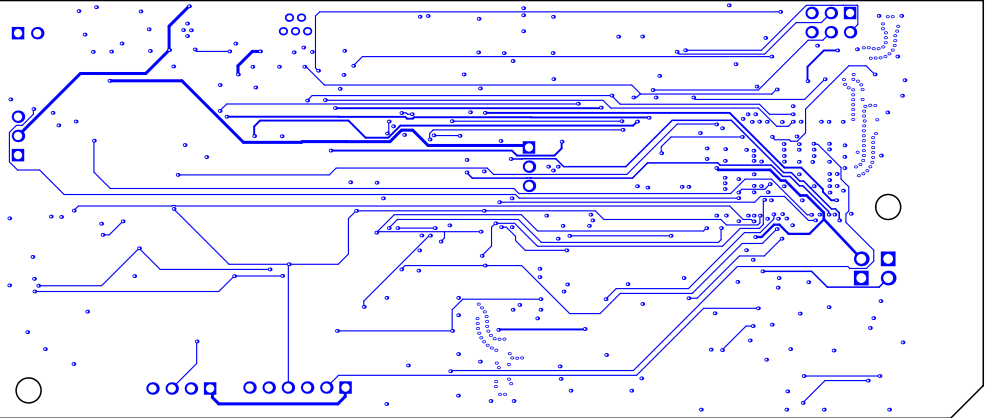
Layer 3 (Scale 1:1)



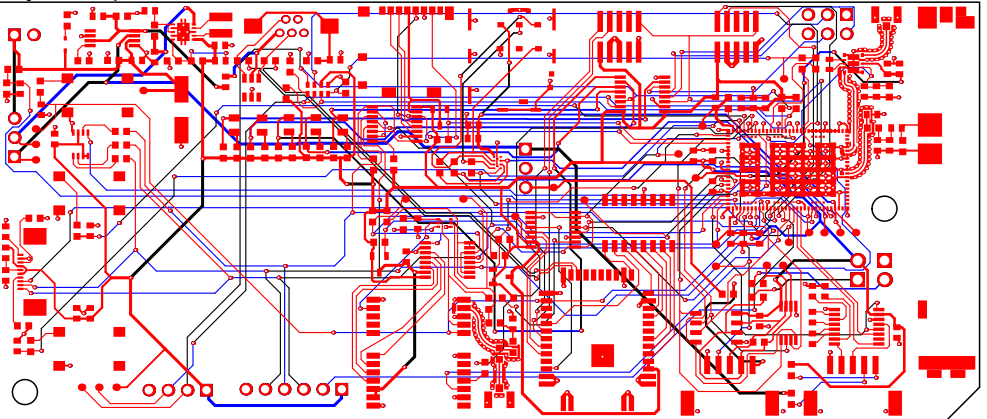
Layer 2 (Scale 1:1)



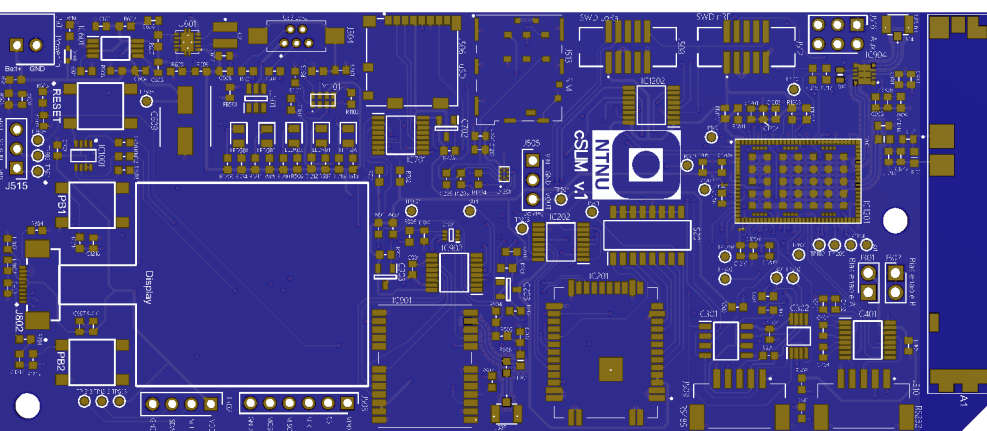
Bottom Layer (Scale 1:1)



Layer: Top, 3 and bottom.



Realistic View top



Bill Of Materials 1/2

Line #	Designator	Quantity	Manufacturer Part Number	value
1	A1	1	P822601	
2	C301, C401, C402, C403, C404, C405, C601, C604, C606, C806, C810, C901, C904, C905, C907, C1001, C1202, C1205, C1209, C1215	20	CL10B104KB8NNNL	100nF
3	C501	1	0603N120J500CT	12pF
4	C502	1	CL10B103KB8NNNC	10nF
5	C602, C603, C902, C1216, C1217	5	CL10A105KQ8NNNC	1uF
6	C605	1	CL10X106MP8NRNC	10uF
7	C607	1	CL10A226KQ8NRNE	22uF
8	C608	1	CL10C1R8BB8NNNC	1.8pF
9	C609	1	PCH1E101MCL4GS	
10	C807	1	CL10A105KB8NNNC	1uF/50V
11	C903, C906	2	CL10C101JB8NNNC	100pF
12	C1201, C1208	2	CL10C150JB81PNC	15pF
13	C1203, C1210	2	GRM188D70E476ME01D	47uF
14	C1206, C1207	2	CL10A475KQ8NNNC	4.7uF
15	C1211	1	CL10C3R3CB81PNC	3.5pF
16	C1212, C1213, C1214	3		N.C.
17	D601	1	1SS390SMFHT2R	
18	D1201	1	CM1402-03CP	
19	FB501	1	BLM18EG601SZ1D	500 mA, 600 Ohms
20	FB801	1	742792602	60 OHM
21	FB802	1	742792602	60 OHM
22	FB1201	1	BLM18AG121SH1D	120ohm 0.7A
23	IC201	1	WLR089U0-I/RM	
24	IC202, IC701, IC902	3	SN74AVC4T774PWR	
25	IC203, IC702, IC903	3	NX2301P,215	
26	IC301	1	MAX3486ESA+	
27	IC302	1	MAX3471EUA+	
28	IC401	1	MAX3221CUE+	
29	IC601	1	TPS2113PWR	
30	IC901	1	NEO-M8N-0-10	
31	IC904	1	SKY65943-11	
32	IC1001	1	CY15B108QN-20LPXC	
33	IC1201	1	NRF9160-SICA-R7	
34	IC1202	1	PCAL6408APWJ	
35	J301, J302	2	61300211121	
36	J501	1	70543-0001	
37	J502	1	PH1-04-UA	
38	J503	1	61300611121	
39	J504	1	10119313-302TLF	
40	J505, J515	2	61300311121	
41	J506	1	104031-0811	

Bill Of Materials 2/2

Line #	Designator	Quantity	Manufacturer Part Number	value
42	J507, J514	2	CONUFL001-SMD-T	
43	J508, J512	2	SHF-105-01-L-D-SM-LC-K-TR	
44	J509, J510	2	BM05B-ZESS-TBT (LF)(SN)	
45	J513	1	SF72S006VBAR2500	
46	J516	1	TSW-103-08-S-D	
47	J802	1	52746-1071	
48	L601	1	LPS3015-222MRB	
49	L901	1	LQG18HH27NJ00D	27nH
50	L902	1	LQW18AN9N1D00D	9n1
51	L1201	1	LQW18AN22NJ00D	22nH
52	L1202	1	LQG18HN1N5S00D	1.5nH
53	LED501	1	APT2012LSECK/J3-PRV	
54	LED502	1	APT2012LSYCK/J3-PRV	
55	LED503	1	APT2012LZGCK	
56	LED504, LED505	2	APT2012LVBC/D	
57	PB1201, PB1202, S601	3	TLS A 070J LFS	
58	Q901	1	SI1040X-T1-GE3	
59	R201, R202, R203, R603, R701, R702, R703, R801, R804, R901, R902, R903, R906, R1102, R1103, R1209, R1210, R1211, R1212, R1213	20	RC0603FR-07100KL	100k
60	R301	1	RT0603DRD07120RL	120R
61	R302, R303	2	RC0603JR-07680RL	680R
62	R501, R502	2	RC0603JR-0715RL	15R
63	R503, R508, R509, R511, R904, R907, R908, R1204, R1205, R1206, R1216, R1217	12	YJP1608-R001	0R
64	R504, R505	2	RC0603FR-07820RL	820R
65	R506, R507, R510	3	RC0603FR-07330RL	330R
66	R601, R609	2	RC0603FR-07240KL	240k
67	R602, R606, R909	3	RC0603FR-131ML	1M
68	R604	1	RC0603JR-07390RL	390R
69	R605, R1214, R1215	3	RC0603FR-071KL	1k
70	R607	1	RC0603FR-07100RL	100R
71	R608	1	RC0603FR-071M2L	1M2
72	R610	1	RC0603FR-073KL	3k
73	R905	1	RC0603FR-1310RL	10R
74	R1001, R1002	2	RC0603FR-0733RL	33R
75	R1003	1	RC0603FR-0749R9L	50R
76	R1101, R1201	2	RC0603FR-0710KL	10k
77	R1202, R1203	2	RC0603FR-074K7L	4.7k
78	S201	1	97C08ST	
79	U501	1	USBL C6-2SC6	
80	U601	1	TPS63000DRCR	
81	Y1101	1	RV-3032-C7-TA-QC	

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.11mm	FR-4	Dielectric	
CF-004	Layer 2	0.04mm		Signal	G1
Core		1.13mm	FR-4	Dielectric	
CF-004	Layer 3	0.04mm		Signal	G2
Prepreg		0.11mm	FR-4	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.51mm					

