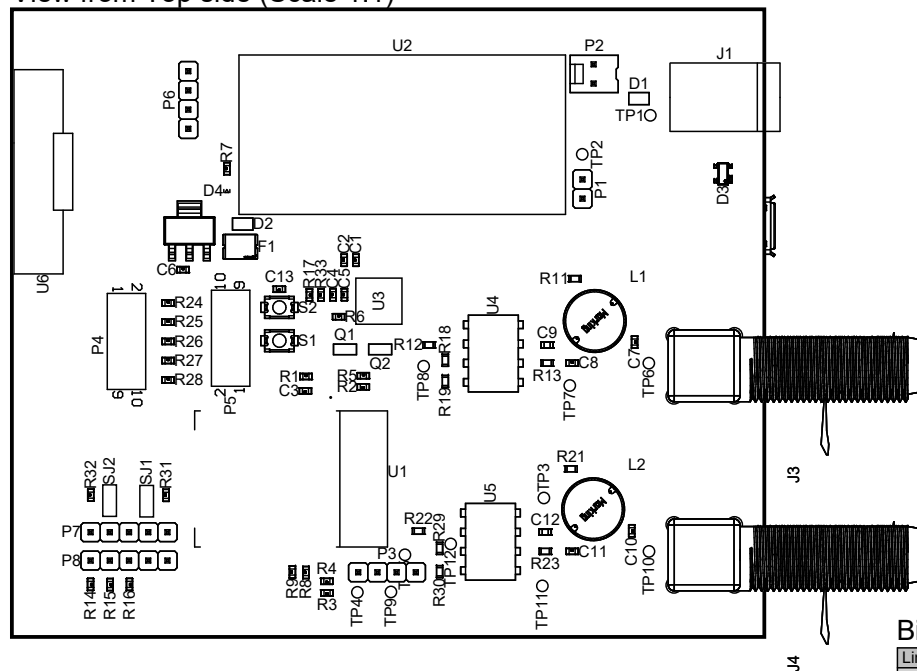
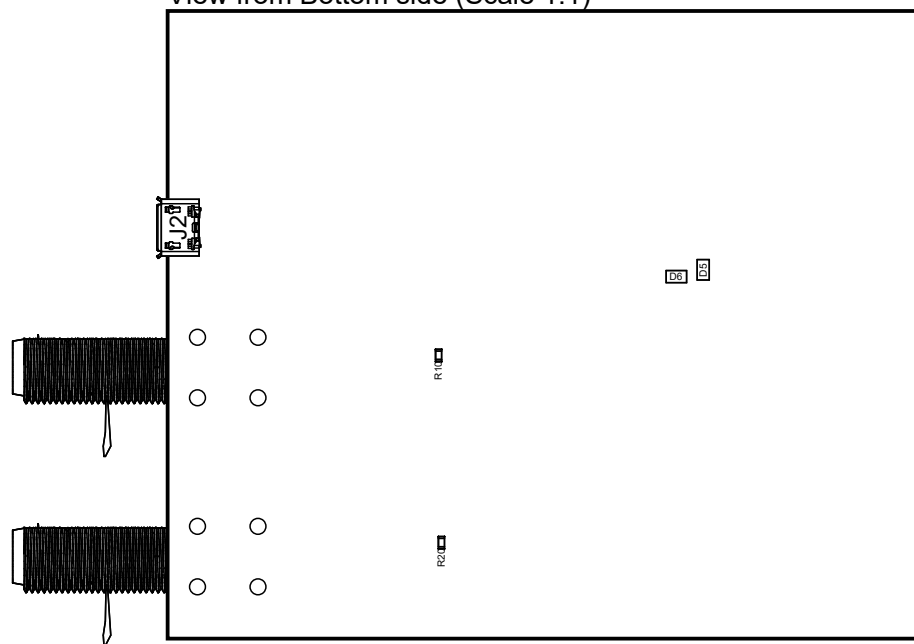


View from Top side (Scale 1:1)



View from Bottom side (Scale 1:1)



## Bill Of Materials

Line #	Designator	Comment	Quantity	Value
1	AMS1	AMS1117	1	
2	C1, C4	10uF	2	
3	C2, C5	1uF	2	
4	C3, C13	100nF	2	
5	C6	22uF	1	
6	C7, C10	Cap	2	54n
7	C8, C11	Cap	2	3.3u
8	C9, C12	Cap Pol1	2	100u
9	D1, D2, D5, D6	B5819W	4	
10	D3	Diode_Littelfuse_SP0503BAHTG_eec	1	
11	D4	LED	1	
12	F1	MF-MSMF014-2	1	0.4-6.5Ω
13	J1	PWR2.5	1	
14	J2	ZX62D-B-5P8	1	
15	J3, J4	5-1634552-1	2	
16	L1, L2	1mH	2	
17	P1	Header 2	1	
18	P2	22-23-2021	1	
19	P3, P6	Header 4	2	
20	P4, P5	Header 5X2	2	
21	P7, P8	Header 5	2	
22	Q1, Q2	MMBT2222LT1G	2	
23	R1, R2, R5, R14, R15, R16, R17, R24, R25, R26, R27, R28, R33	Res1	13	10k
24	R3, R4, R6, R31, R32	Res1	5	4.7k
25	R7	Res1	1	1k
26	R8, R9	Res1	2	470
27	R10, R12, R20, R22	Res1	4	4.7k
28	R11, R21	Res1	2	50
29	R13, R23	Res1	2	100
30	R18, R19, R29, R30	Res1	4	1K
31	S1, S2	Switch	2	
32	SJ1, SJ2	2-Way Solder Jumper	2	
33	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12	Test Point	12	
34	U1	ESP32-WROOM-32D	1	
35	U2	XL6009_boost_board	1	
36	U3	CP2102-GM	1	Value
37	U4, U5	LM741CN/NOPB	2	
38	U6	OLED_MODULE	1	