

TITLE: Bill of Materials
 DATE: 13/12/2023

S.No.	DESCRIPTION	Qty	Ref_Des	VALUE
1	CAPC,X5R,0603,22.000UF,6.300V,+/- 20%	6	C7,C8,C12,C18,C22,C29	22uF
2	CAPC,X5R,0603,22.000UF,6.300V,+/- 20%	1	C27	22uF
3	CAPC,X5R,0402,4.700UF,6.300V,+/- 20%	2	C17,C23	4.7uF
4	CAPC,X5R,0402,4.700UF,6.300V,+/- 20%	1	C3	4.7uF
5	CAPC,X7R,0402,0.1UF,25.00V,+/- 10%	1	C19	0.1uF
6	CAPC,X5R,0402,10.00UF,6.3V,+/- 20%	2	C46,C47	10uF
7	RES D,0201,3.3KOHM,5.00%,1/20W,N/A,YES	1	R1	3.3K
8	CAPC,X5R,0201,0.100UF,6.300V,+/- 10%	10	C1,C2,C4,C5,C6,C11,C13,C16,C24,C25	0.1uF
9	CAPC,X5R,0201,1UF,6.3V,+/- 20%	2	C9,C10	1uF
10	CAPC,COG,0201,6.800PF,25.000V,+/- 0.5PF	2	MP5,MP6	6.8pF
11	CAPC,COG,0201,0.6PF,50.00V,+/-0.05PF	1	MP16	0.6pF
12	CAPC,COG,0201,0.2PF,50.00V,+/-0.05PF	2	MP21,MP22	0.2pF
13	CAPC,COG,0201,0.400PF,50.000V,+/-0.05PF,	2	MP2,MP14	0.4pF
14	CAPC,COG,0201,3.900PF,25.000V,+/-0.05PF,	2	MP1,MP3	3.9pF
15	INDCT,FILM,1.6nH,600.00mA,0201,	2	MP7,MP8	1.6nH
16	INDCT,FILM,1.1nH,750.00mA,0201,	1	MP19	1.1nH
17	INDCT,FILM,1.00nH,750.00mA,0201,	1	MP20	1.0nH
18	XTAL,CER2.0X1.6,60.000,MHZ,7.0,PF,0.001%,SM,	1	Y2	60MHz
19	CAPC,X5R,0201,2.2UF,4.00V,+/- 20%	1	C28	2.2uF
20	RES D,0201,0.00OHM,5.0%,1/20W,	2	MP11,MP12	0
21	RES D,0201,1.00MOHM,5.00%,1/20W,	6	MP4,MP9,MP13,MP15,MP17,MP18	1M
22	INDCT,WWOUND,0.47uH,4.700A,2016,20.000%,	1	L2	0.47uH
23	CONN,MISC,AU,NI-BR,1P,MICRO-COAX,MHF4, SMT	2	J2,J3	?
24	IC,ASIC,FMP,A0,174,BGA, Intel	1	U1	?
25	RF,BAL,2400-7125MHZ,080550//50OHM,N/A,1.9DB,	1	FL2	2441-6147.5MHz
26	RF,BAL,2400-7125MHZ,080550//50OHM,N/A,1.9DB,	1	FL1	2441-6147.5MHz
27	INDCT,WWOUND,0.33uH,5.500A,2016,20.000%,	1	L1	0.33uH
28	EMI-SHIELD,EMI,SECC,STL,OTH,	1	SD1	?
29	PAD,FIDUCIAL,CIRCLE,500UM	3	FID1,FID2,FID3	?
30	SCREW, 1P, M3, NON-ORDERABLE	1	J4	?
31	ECONN, M.2 KEY E,2230, 31P	1	J1	?
TOTAL		62		

Critical components

Shield, Radio packaging, Diplexer, Crystal