

Bill Of Materials for EFR32xG1x\_DISC\_DUALBAND\_REF\_DES\_A00.sch on Thu Oct 15 16:19:38 2020

Item	Quantity	Reference	Value	Manufacturer	Manufacturer Part Number	Description	Tolerance
1	1	CR3	1.0pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.05pF
2	2	CHF7-8	1.2pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.05pF
3	2	CHF6 CR2	1.5pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.05pF
4	3	C5 C10 C12	100nF	any		General Ceramic Chip Capacitor	10%
5	1	C7	10nF	any		General Ceramic Chip Capacitor	10%
6	1	CHF1	11pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
7	2	C9 C11	1uF	any		General Ceramic Chip Capacitor	10%
8	1	CR1	2.4pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
9	2	C2 C4	220nF	any		General Ceramic Chip Capacitor	10%
10	3	CC1-3	270pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
11	1	CT3	3.0pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
12	2	CHF3 CHF5	4.3pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
13	1	C13	4.7uF	any		General Ceramic Chip Capacitor	20%
14	2	C1 C3	470pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
15	2	CHF2 CT1	5.6pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
16	1	CC4	56pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
17	1	CHF0	6.2pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
18	2	CHF4 CT2	8.2pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
19	2	CC6-7	NM	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
20	1	J1	Con10	3M	2510-6002UB	Connector; 2x5 Pin; Straight Male	
21	1	U1	EFR32xG1x	Silicon Labs	EFR32FG1P131F256GM48-C0	EFR32xG1x Sub-GHz-only QFN48	
22	2	LT1 LT3	20nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
23	1	LHF0	21nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
24	2	LHF1 LT2	24nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
25	1	LC	270nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
26	1	LR1	43nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
27	2	LHF2-3	5.1nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	±0.1nH
28	1	LR3	51nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
29	1	LR2	68nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
30	1	L5	4.7uH	Murata	LQH3NPN4R7MM0L	INDUCTOR POWER 4.7uH 1.25A 20%	20%
31	2	J2-3	PIN3S_2MM			1X3 Pin Connector; 2mm Pitch; Vertical	
32	4	RX TRX_HB TRX_LB TX	SMA	TE Connectivity		Female SMA Connector	
33	1	DPDT_SWITCH	uPG2164T5N	NEC/CEL	UPG2164T5N-A	DPDT Switch	
34	2	C6 C8	10uF	any		General Ceramic Chip Capacitor	20%
35	1	X2	32.768kHz	any		32.768 kHz, 30ppm, CL=12.5pF	30ppm
36	1	X1	38.4MHz	KDS	DSX211SH 1ZZNAE38400AB0A	Crystal, 38.4000 MHz, ESR=50 ohms, CL=10pF, C0=2pF max	20 ppm