

Bill Of Materials for EFR32xG1x_DISC_MULTIBAND_REF_DES_A00.sch on Fri Oct 16 15:37:31 2020

Item	Quantity	Reference	Value	Manufacturer	Manufacturer Part Number	Description	Tolerance
1	1	BAL1	0900BL15C050	Johanson Technology	0900BL15C050	RF ceramic balun 900MHz	
2	3	C5 C10 C12	100nF	any		General Ceramic Chip Capacitor	10%
3	1	C7	10nF	any		General Ceramic Chip Capacitor	10%
4	1	CHF1	10pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
5	1	C2	12pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
6	2	C9 C11	1uF	any		General Ceramic Chip Capacitor	10%
7	1	CB	2.2pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
8	1	C1	2.4pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
9	2	C4 C15	220nF	any		General Ceramic Chip Capacitor	10%
10	1	C13	4.7uF	any		General Ceramic Chip Capacitor	20%
11	2	C14 CC1	470pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
12	2	CHF0 CHF2	5.1pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
13	1	C3	68pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
14	1	J1	Con10	3M	2510-6002UB	Connector; 2x5 Pin; Straight Male	
15	1	U1	EFR32xG1x	Silicon Labs	EFR32FG1P131F256GM48-C0	EFR32xG1x Sub-GHz-only QFN48	
16	1	L3	22nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
17	1	L2	30nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
18	1	L1	43nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
19	2	LM1-2	5.1nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	±0.1nH
20	2	LHF0-1	6.8nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	±0.1nH
21	1	L5	4.7uH	Murata	LQH3NPN4R7MM0L	INDUCTOR POWER 4.7uH 1.25A 20%	20%
22	2	RX TX	SMA	TE Connectivity		Female SMA Connector	
23	2	C6 C8	10uF	any		General Ceramic Chip Capacitor	20%
24	1	X2	32.768kHz	any		32.768 kHz, 30ppm, Cl=12.5pF	30ppm
25	1	X1	38.4MHz	KDS	DSX211SH 1ZZNAE38400AB0A	Crystal, 38.4000 MHz, ESR=50 ohms, CL=10pF, C0=2pF max	20ppm