

Bill Of Materials for EFR32xG1x_DISC_DUAL-WIDEBAND_REF_DES_A00.sch on Mon Oct 19 16:56:17 2020

Item	Quantity	Reference	Value	Manufacturer	Manufacturer Part Number	Description	Tolerance
1	2	CT1-1-2	1.8pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.05pF
2	3	C5 C10 C12	100nF	any		General Ceramic Chip Capacitor	10%
3	1	C7	10nF	any		General Ceramic Chip Capacitor	10%
4	1	CR2	15pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.25pF
5	3	CR1-1-2 CT3	18pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.25pF
6	2	C9 C11	1uF	any		General Ceramic Chip Capacitor	10%
7	2	C2 C4	220nF	any		General Ceramic Chip Capacitor	10%
8	1	C13	4.7uF	any		General Ceramic Chip Capacitor	20%
9	2	CC3-4	470pF	Murata	GRM15 series	General Ceramic Chip Capacitor	10%
10	6	C1 C3 CC1-2 CC6-7	470pF	Murata	GRM15 series	General Ceramic Chip Capacitor	5%
11	1	CR3	5.1pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
12	1	CT2	6.8pF	Murata	GRM15 series	General Ceramic Chip Capacitor	±0.1pF
13	10	CHF0-9	TBD			General Ceramic Chip Capacitor	
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	2	LR1-1-2	20nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
17	1	LT4	24nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	2%
18	1	LC	270nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
19	2	LT2-1-2	37nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
20	2	LR2-1-2	4.3nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	±0.1nH
21	1	LT3	43nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
22	2	LT1-1-2	5.6nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	±0.1nH
23	1	LR3	51nH	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
24	4	LHF0-3	TBD	CoilCraft	0402HP series	Wirewound Ceramic Chip Inductor	5%
25	1	L5	4.7uH	Murata	LQH3NPN4R7MM0L	INDUCTOR POWER 4.7uH 1.25A 20%	20%
26	2	J2-3	PIN3S_2MM			1X3 Pin Connector; 2mm Pitch; Vertical	
27	4	RX TRX_HB TRX_LB TX	SMA	TE Connectivity		Female SMA Connector	
28	1	DPDT_SWITCH	uPG2164T5N	NEC/CEL	UPG2164T5N-A	DPDT Switch	
29	2	C6 C8	10uF	any		General Ceramic Chip Capacitor	20%
30	1	X2	32.768kHz	any		32.768 kHz, 30ppm, Cl=12.5pF	30ppm
31	1	X1	38.4MHz	KDS	DSX211SH 1ZZNAE38400AB0A	Crystal, 38.4000 MHz, ESR=50 ohms, CL=10pF, C0=2pF max	20ppm