

Bill Of Materials for EFR32BG22\_TAG\_REF\_DES\_A00.sch on Thu Jul 23 10:30:01 2020

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9	Column10
Item	Quantity	Reference	Value	Manufacturer	Part Number	Description	Tolerance	Package	Distributor
1	1	U3		Bosch Sensortec	BMA400	Accelerometer 2-16G 12LGA		12-LGA (2x2mm)	Digikey
2	5	C6, C11, C13, C16, C21	0.1uF	any		General Ceramic Chip Capacitor	+/-10%	0201	
3	2	C7, C12	12pF	any		Ceramic Chip Capacitor	+/-2%	0201	
4	1	C17	18pF	Murata	GJM0335C1E180GB01D	Ceramic Chip Capacitor	+/-2%	0201	
5	1	C3	1.2pF	Murata	GRM0335C1H1R2WA01D	Ceramic Chip Capacitor	+/-0.05pF	0201	
6	1	C2	1.3pF	Murata	GRM0335C1H1R3BA01D	Ceramic Chip Capacitor	+/-0.1pF	0201	
7	1	C19	NP			Ceramic Chip Capacitor	+/-0.1pF	0201	
8	5	C9-10, C14-15	1uF	any		Ceramic Chip Capacitor	+/-20%	0201	
		C18							
9	1	C1	1.7pF	Murata	GRM0335C1H1R7BA01D	Ceramic Chip Capacitor	+/-0.1pF	0201	
10	1	C4	2.2uF	any		Ceramic Chip Capacitor	10%	0402	
11	2	C5 C8	4.7uF	any		Ceramic Chip Capacitor	+/-20%	0402	
12	1	Y3		MPD (Memory Protection Devices)	BC-2003-TR	Battery Retainer Coin, 20.0mm 1 Cell SMD (SMT) Tab, Coin cell CR2032 battery holder			Digikey
13	1	U5		Infineon Technologies	DPS310XTSA1	Pressure Sensor		8-pin LGA	
14	1	U1		Silicon Labs	EFR32BG22C224F512GM32			QFN32	
15	7	TP1-7							
16	1	J1	HEADER, 10PIN	Samtec	FTSH-105-01-F-DV	Header, 10 pin, SMD, 1.27mm, dual row		HEADER_10PIN_1.27MM_SMD_DUAL	Q-Flex
17	7	HOL1-7	N/A	N/A		N/A			N/A
18	2	L1, L5	5.6nH	Murata	LQP03TN5N6H02D	Chip Coil	+3%	0201	
19	1	L2	6.2nH	Murata	LQP03TN6N2H02D	Chip Coil	+3%	0201	
20	1	L6	2.2uH	Taiyo Yuden	MAMK2520T2R2M	Shielded SMT Power Inductor	+/-20%	1008	
21	1	L4	2.7nH	Murata	LQP03TN2N7B02D	Chip Inductor	+0.1nH	0201	Digikey
22	1	D1		Broadcom Limited	HSMC-C190	Low-current LED		0603	
23	1	R5	0R	any	232270671001L	Chip Resistor	N/A	0201	Arrow
24	1	R9	2k	any		Chip Resistor	N/A	0201	
25	1	R2	0R	any		Chip Resistor	N/A	0402	
26	1	SW1		C&K Components	PTS820J_	Tactile Switch, Microminiature SMT Top Actuated			
27	1	Y1	32.768 kHz	AVX Corp/Kyocera Corp	ST2012SB32768C0HPWBB	Crystal, 32.768 kHz, CL=7pF	20ppm	2.0x1.2mm	
28	1	Y2	38.4MHz	Siward Crystal Technology	XTL501200-C294-002	Crystal, 38.4000 Mhz, 9pF -40..+85C, CL=10pF, C0=3pF	10ppm/20ppm	2.0x1.6mm 4-pad	