

Table 4-1. Bill of Materials (BOM)

Qty	Part Reference	Description	Value	Manufacturer	Manufacturer Part Number
1	ANT1	ANTENNA 2.45GHZ SMT 50 OHM CASE43-1	ANTENNA_2.45G HZ	JOHANSON TECHNOLOGY	2450AT43A100
0	C1	Ceramic Capacitor C0G	10pF	Murata	GRM1555C1H100JZ01
5	C2,C6,C38, C40,C41	Ceramic Capacitor X5R	100nF	Murata	GRM155R61A104KA01D
0	C3	Ceramic Capacitor C0G	1pF	Murata	GRM1555C1H1R0CZ01D
	C8	Ceramic Capacitor C0G	100pF	Murata	GRM1555C1H101JZ01
0	C9	Ceramic Capacitor X7R	10nF	Murata	GRM155R71E103KA01D
0	C10	Ceramic Capacitor X5R	1uF	Murata	GRM155R60J105KE19B
1	C11	Ceramic Capacitor X7R	1nF	Murata	GRM155R71H102KA01D
2	C42,C43	Ceramic Capacitor C0G	15pF	Murata	GRM1555C1H150JZ01J
1	C52	Ceramic Capacitor X7R	10nF	Murata	GRM155R71E103KA01D
1	C53	Ceramic Multilayer Capacitor X5R	4.7uF	Murata	GRM219R61A475KE34D
1	D1	SMD Red top led	LHR974	OSRAM	Q62702P5182
1	D5	SMD Green top led	LGR971	OSRAM	Q65110P5179
0	J1	Dual Row Straight Pin Header SMD	TSM-110-01-L-DV	Samtec	TSM-110-01-L-DV-M
1	J2	USB-series "A" plug	USB-A	Samtec	USB-AM-S-S-B-SM1-R-TR
2	J3,J4	HDR 1X2 SMT 100MIL SP 380H AU	HDR_1X2	SAMTEC	TSM-102-01-SM-SV-P-TR
0	L1	HF Chip coil	3.9nH	Murata	LQG15HS3N9S02D
1	L2	IND FER BEAD 60OHM@100MHZ 500MA -- 0603	60OHM	MURATA	BLM18PG600SN1_
1	RT2	Polyswitch Overcurrent Protection Device	500mA	Tyco Electronics	microSMD050F
4	R3,R50,R51,R65	Fixed resistor RC31	0R	Phillips	2322 705 91002
0	R4	Fixed resistor RC31	0R	Phillips	2322 705 91002
1	R6	Fixed resistor RC31	390R	Phillips	2322 705 50391
1	R11	Fixed resistor RC31	220R	Phillips	2322 705 50221
1	R12	Fixed resistor RC31	100K	Phillips	2322 705 50104
1	R14	Fixed resistor RC31	1K	Phillips	2322 705 50102
0	R71	Fixed resistor RC31	10K	Phillips	2322 705 50103
3	R73,R103, R104	Fixed resistor RC31	10K	Phillips	2322 705 50103
1	SW5	SMD Tact Switch 3.14N (2.5mm)	SKQY	ALPS	SKQYPDE010

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1	U1	ZigBee Wireless Transceiver and ARM7 processor	MC13225	Freescale	MC13225
1	U10	USB UART, PB-free	FT232R	FTDI	FT232RQ
1	X1	Crystal SMD	24.00MHz	NDK	NX3225SA-24MHz (for OA/AV and Bluetooth) / S1-3085-1510-9