

Component list

Bill of Materials Print For Variant [UFL_Series0] of Project [RFOonly_212B.PrjPCB] (No PCB Document Selected)

Source Data From: RFOonly_212B.PrjPCB
 Project: RFOonly_212B.PrjPCB
 Variant: UFL_Series0



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#	Designator	Quantity	Value	Manufacturer	MPN	Description
1	B1	1	0896FB15A0100	Johanson Technology	0896FB15A0100	868/900MHz FilterBalun, SMD 1.25x2.0mm (de26948)
2	C1, C2, C6, C7	4	1uF	AVX	0603YD105KAT2A	CAP CER 1UF 16V 10% X5R 0603
3	C3	1	2.2 pF	Kemet	CBR02C229C9GAC	CAP CER 2.2PF 6.3V NP0 0201
4	C5, C8	2	10 pF	Murata	GRM0335C1E100JA01D	Ceramic capacitor, SMD 0201, C0G, 25V, +/-0.25pF
5	C9	1	100n	Kemet	C0201C104K9PACTU	CAP CER 0.1UF 6.3V 10% X5R 0201
6	C10	1	100pF	AVX	04023A101JAT2A	Ceramic capacitor, SMD 0402, NP0, 50V, +/-10% (High Density)
7	DOC1	1	UFL RF212B Zigbit PCBA (A08-2001)			UFL RF212B Zigbit PCBA (A08-2001)
8	L3	1	BLM15BB221SN1	Murata	BLM15BB221SN1	SMD RF inductor 0402, Z=220Ohm (@100MHz), Max R(dc)=0.80Ohm, Max current=200mA
9	LABEL1	1	Label ZigBit Shield	ACT Logimark AS	505494	ZigBit Identification label, 15x10mm fireproof label w/blue Atmel logo
10	P1	1	U.FL-R-SMT-1(10)	HIROSE	U.FL-R-SMT-1(10)	UFL (Small Coax Connector)
11	PCB1	1	RF212B UFL Zigbit			RF212B UFL Zigbit
12	Q1	1	16.0MHz	Epson Toyocom	TSX-3225 16.0000MF09Z-AC3	16MHz uXtal, 3.2 x 2.5 mm SMD, CL=9pF, 15PPM, ESR=80ohm(Max.
13	R1	1	680R	YAGEO CORP	RC0201JR-07680RL	RES 680 OHM 1/20W 5% 0201 SMD
14	R2	1	0R	ROHM	MCR006YZPJ000	Thick film resistor, SMD 0201, 1/20W, 5%
15	R5, R6	2	10 k	ROHM	MCR006YZPJ103+	Thick film resistor, SMD 0201, 1/20W, 5%
16	TEST1	1	ZigBit 2.0 test SW			Production test SW for ZigBit 2.0
17	TESTDOC1	1	ZigBit 2.0 Production test procedure			Production test instruction for ZigBit 2.0
18	U1	1	AT86RF212B-ZU	ATMEL	AT86RF212B-ZU	Low Power 700/800/900 MHz Transceiver for IEEE 802.15.4, ZigBee, 6LoWPAN, and ISM Applications (de34572)
19	U2	1	AT24MAC602-STUM-T	ATMEL	AT24MAC602-STUM-T	2kbit Serial (TWI) EEPROM, AT24C02B, 1.8-5V
20	Z1	1	ATZB-RF-4-0-C-915	ATMEL	ATZB-RF-4-0-C-915	ZigBit RF-only SUB_GHz-915
21	Z2	1	EMI Shield	DUFU INDUSTRIES SDN BHD		EMI Shield ZigBit RF212B
22	L1, L2	0	3.3nH	Murata	LQP03TN3N3C00D	Chip Inductor, 3.3 nH, +/-0.2nH, 0201
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Approved

Notes