

## Component list

Bill of Materials Print For Variant [RFmodule\_212B\_Variant-NA] of Project [RForly\_212B.PrjPCB] (No PCB Document Selected)

Source Data From: RForly\_212B.PrjPCB  
Project: RForly\_212B.PrjPCB  
Variant: RFmodule\_212B\_Variant-NA



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#	Designator	Quantity	Value	Manufacturer	MPN	Description
1	A1	1	0915AT43A0026	Johanson Technology	0915AT43A0026	Sub 1GHz Chip Antenna
2	B1	1	0896FB15A0100	Johanson Technology	0896FB15A0100	868/900MHz FilterBalun, SMD 1.25x2.0mm (de26948)
3	C1, C2, C6, C7	4	1uF	AVX	0603YD105KAT2A	CAP CER 1UF 16V 10% X5R 0603
4	C3	1	2.2 pF	Kemet	CBR02C229C9GAC	CAP CER 2.2PF 6.3V NP0 0201
5	C5, C8	2	10 pF	Murata	GRM0335C1E100JA01D	Ceramic capacitor, SMD 0201, C0G, 25V, +/-0.25pF
6	C9	1	100n	Kemet	C0201C104K9PACTU	CAP CER 0.1UF 6.3V 10% X5R 0201
7	C10	1	68pF	Panasonic	ECJ-0EC1H680J	CAP CER 68PF 50V 5% NP0 0402
8	C11	1	5.6pF	Johanson Technology	250R05L5R6CV4T	CAP CER 5.6PF 25V NP0 0201
9	J1	1	MS147	HIROSE	CL358-150-5-01	Interface RF Connector with Switch,
10	L3	1	BLM15BB221SN1	Murata	BLM15BB221SN1	SMD RF inductor 0402. Z=220Ohm (@100MHz), Max R(dc)=0.80Ohm, Max current=200mA
11	L4	1	1.8nH	Johanson Technology	L-05B1N8SV6T	ceramic chip inductor, 1.8nH,0201
12	LABEL1	1	Label PCBA	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
13	PCB1	1	ZigBit Sub-GHz RF-only			ZigBit Sub-GHz RF-only board PCB
14	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.
15	R1	1	680R	YAGEO CORP	RC0201JR-07680RL	RES 680 OHM 1/20W 5% 0201 SMD
16	R5, R6	2	10 k	ROHM	MCR006YZPJ103+	Thick film resistor, SMD 0201, 1/20W, 5%
17	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)
18	U2	1	AT24MAC602-STUM-T	ATMEL	AT24MAC602-STUM-T	2kbit Serial (TWI) EEPROM, AT24C02B, 1.8-5V
19	Z1	1	ATZB-RF-4-0-C-915	ATMEL	ATZB-RF-4-0-C-915	ZigBit RF-only SUB_GHz-915
20	Z2	1	EMI Shield	DUFU INDUSTRIES SDN BHD		EMI Shield ZigBit RF212B

25

Approved

Notes