

# Component list

REB212BSMA E212-M-01

Source Data From:

REB212BSMA.PRJPCB

Project:

REB212BSMA.PRJPCB

Variant:

REB212BSMA



Report Date: 02-Jul-14 7:29:05 PM

Print Date: 02-Jul-14 7:23:55 PM

| Fitted     | Designator                        | Quantity | Value                     | Manufacturer                   | MPN                       | Description  |
|------------|-----------------------------------|----------|---------------------------|--------------------------------|---------------------------|--|
| Fitted     | B1                                | 1        | 0896FB15A0100             | Johanson Technology            | 0896FB15A0100             | 868/900MHz FilterBalun, SMD 1.25x2.0mm (de26948)   |
| Fitted     | C6                                | 1        | 100p                      | Murata                         | GRM1555C1H101JZ01D        | Ceramic capacitor, SMD 0402, NP0, 50V, +/-10% (deCeramic capacitor, SMD 0402, X7R, 16V, +/-5% (de16673)  |
| Fitted     | C31, C32, C35, C36                | 4        | 1u                        | Kemet                          | C0402C105K9PAC            | Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-10%   |
| Fitted     | C33, C34, C39                     | 3        | 100nF                     | Murata                         | GRM155R71C104KA88D        | Ceramic capacitor, SMD 0402, X7R, 16V, +/-10% (de19761)  |
| Fitted     | C37, C38                          | 2        | 10pF                      | Panasonic                      | ECJ0EC1H100D              | Ceramic capacitor, SMD 0402, NP0, 50V, +/-5% (de16674)   |
| Fitted     | C40                               | 1        | 2.2pF                     | Murata                         | GRM1555C1H2R2CZ01D        | Ceramic capacitor, SMD 0402, NP0, 50V, +/-0.25pF (de23847)   |
| Fitted     | D1                                | 1        | BZG05C3V9                 | vishay                         | BZG05C3V9                 | 3V9/3W SMD zener, SMA (de19514)  |
| Fitted     | E1, E2                            | 2        | FIDUCIAL 1.5mm            |                                |                           | Fiducial point for PCB coordinates 1.5mm pad and 3mm hole in mask  |
| Fitted     | F1                                | 1        | miniSMDC020F              | Raychem                        | miniSMDC020F              | PolySwitch Resettable fuse 0.2A, 30V (de2229)  |
| Fitted     | J3                                | 1        | Jumper                    | CAB                            | 3300096                   | Jumper cap for 2.54mm pinheader (de3561)   |
| Fitted     | JP1                               | 1        | 1001-121-002              | CAB                            | 1001-121-002              | Pin Header 1x2, 2.54mm THM (de4428)  |
| Fitted     | L1                                | 1        | 74279263                  | Würth Elektronik               | 74279263                  | SMD-Ferrite 220Ohm, 100MHz 0603 size, (de14411)  |
| Fitted     | LABEL1                            | 1        | Label PCBA with MAC64 and | ACT Logimark AS                | 505462                    | Label for use on wireless PCBA that needs 64 bit MAC and FCC ID  |
| Fitted     | PCB1                              | 1        | REB212BSMA PCB            | G&W Leiterplatten Dresden GmbH |                           | Radio Extender Board 212B  |
| Fitted     | Q1                                | 1        | 16MHz                     | SIWARD                         | XTL551150NLE-16.0MHz-9.0R | 16MHz SX-4025, 4 x 2.5 mm SMD 10ppm (de19513)  |
| Fitted     | R5, R7, R10, R12, R14, R17, R19,  | 9        | 0R00                      | Samsung                        | RC1608J000CS              | Thick film resistor, SMD 0603, 1/10W, 1% (de9942)  |
| Fitted     | R8                                | 1        | 10k0                      | Samsung                        | RC1005F1002CS             | Thick film resistor, SMD 0402, 1/16W, 1% (de13875)   |
| Fitted     | R24, R26                          | 2        | 1M00                      | Samsung                        | RC1005F1005CS             | Thick film resistor, SMD 0402, 1/16W, 1% (de23849)   |
| Fitted     | R25                               | 1        | 470R                      | Samsung                        | RC1005F 4700CS            | Thick film resistor, SMD 0402, 1/16W, 1% (de19764)   |
| Fitted     | R32                               | 1        | 22R                       |                                |                           | Thick film resistor, SMD 0402, 1/16W, 1%   |
| Fitted     | SH1                               | 1        | LT08AD4303F               | Laird Technologies             | LT08AD4303F               | EMI Shield Frame 25x30x3mm (de26517)   |
| Fitted     | SH2                               | 1        | LT08AD4303C               | Laird Technologies             | LT08AD4303C               | EMI Shield Cover 25.6x30.6x2mm (de28985)   |
| Fitted     | 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) |
| Fitted     | U4                                | 1        | NC7WP32K8X_NL             | Fairchild                      | NC7WP32K8X_NL             | Dual 2-Input OR gate, ULP, NC7WP32K8X, US-8 (de23861)  |
| Fitted     | U5                                | 1        | AT25010B-MAHL-T           | ATMEL                          | AT25010B-MAHL-T           | 1kbit Serial EEPROM, AT25010B-MAHL-T, 1.8-5V, Ultra Thin UDFN-8 (de30551)                                |
| Fitted     | U6                                | 1        | NC7WV04P6X_NL             | Fairchild                      | NC7WV04P6X_NL             | Dual Inverter ULP-A, NC7WV04P6X_NL, SC70-6 (de23860)   |
| Fitted     | X1                                | 1        | 1007-121-040              | CAB                            | 1007-121-040              | 2x20 pin header, right angle, 2.54 mm pitch, through-hole (de19512)                                      |
| Fitted     | X2                                | 1        | 142-0711-821              | EMERSON                        | 142-0711-821              | End Launch Jack Receptacle, Round Contact (de21535)  |
| Fitted     | Z1                                | 1        | REB212BSMA PCBA Doc       | dresden elektronik             |                           | Radio Extender Board 212B PCBA Documentation   |
| Not Fitted | C2, C3, C4                        | 0        | 0.7pF                     | Murata                         | GRM1555C1HR70BA01D        | Ceramic capacitor, SMD 0402, C0G, 50V, (de29597)   |
| Not Fitted | R1, R2, R3, R4, R6, R9, R11, R13, | 0        | 0R00                      | Samsung                        | RC1608J000CS              | Thick film resistor, SMD 0603, 1/10W, 1% (de9942)  |

45

Approved

Notes