

| Part Reference | Quantity | Value | Description | Vendor Part Number | Vendor | Part Number | ROHS | REACH/SVHC Compliance |
|---|----------|-----------------------|---|--|------------------------|-------------|--------------|-----------------------|
| A1 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| ANT1 ANT4 | 2 | 2nH | INDUCTOR, CHIP, 2nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD | LQG15HS2N0S02D | MURATA | 03-06525 | Compliant | Compliant |
| ANT2 C17 C18 C31 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| ANT3 C11 C13 | 3 | 1pF | CAPACITOR, CERAMIC COG/NPO, 1pF, 50V, -0.25pF/+0.25pF, -55DEGC/+125DEGC, 0402, SMD | GRM1555C1H1R0CA01D | MURATA | 02-04672 | Compliant | Compliant |
| ANTS R9 R12 R26 | 4 | 0 | RESISTOR, THICK FILM, 0, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD | RESISTOR_0402_0_50V_0.063W_M_+/-200ppm | MANUFACTURER SELECTION | 01-11587 | Compliant | |
| ANT6 | 1 | 0.5pF | CAPACITOR, CERAMIC COG/NPO, 0.5pF, 50V, -0.1pF/+0.1pF, -55DEGC/+125DEGC, 0402, SMD | GRM1555C1HR50BA01D | MURATA | 02-05038 | Compliant | Compliant |
| ANT7 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| BAT+ | 1 | BAT+ | NON COMPONENT, BATTERY + PAD, SMD | BATTERY - PAD | NON_COMPONENT | 19-00356 | Missing info | |
| BAT- | 1 | BAT- | NON COMPONENT, BATTERY - PAD, SMD | BATTERY - PAD | NON_COMPONENT | 19-00357 | Missing info | |
| BT1 | 1 | BAT-HLD-001 | BATTERY, HOLDER, CR2032 AND CR2025 BATTERIES, SMD | BAT-HLD-001 | LINX | 10-00027 | Compliant | Compliant |
| BZ1 | 1 | HCS0503B | ACOUSTIC, BUZZER, 3V, SMD | HCS0503B | CHANGZHOU TIANYIN | 11-00010 | Missing info | |
| C1 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| C2 C3 C4 C6 C8 C9 C12 | 7 | 100nF | CAPACITOR, CERAMIC X7R, 100nF, 6.3V, -10%/+10%, -55DEGC/+125DEGC, 0402, SMD | GRM155R70J104KA01D | MURATA | 02-02323 | Compliant | Compliant |
| C5 | 1 | 22uF | CAPACITOR, CERAMIC X5R, 22uF, 4V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD | GRM188R60G226MEAD0 | MURATA | 02-04481 | Compliant | Compliant |
| C7 | 1 | 10uF | CAPACITOR, CERAMIC X5R, 10uF, 6.3V, -20%/+20%, -55DEGC/+85DEGC, 0603, SMD | GRM188R60J106ME47D | MURATA | 02-02419 | Compliant | Compliant |
| C14 C15 | 2 | 12pF | CAPACITOR, CERAMIC COG/NPO, 12pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0402, SMD | GRM1555C1H120JA01D | MURATA | 02-04168 | Compliant | Compliant |
| C16 C29 C42 | 3 | 1uF | CAPACITOR, CERAMIC X5R, 1uF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0402, SMD | GRM155R61A105KE15D | MURATA | 02-02381 | Compliant | Compliant |
| C19 C20 C22 C23 C24 C25 C27 C28 C30 C34 C43 | 11 | 100nF | CAPACITOR, CERAMIC X5R, 100nF, 10V, -10%/+10%, -55DEGC/+85DEGC, 0201, SMD | GRM033R61A104KE84D | MURATA | 02-06085 | Compliant | Compliant |
| C21 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| C26 | 1 | 10nF | CAPACITOR, CERAMIC X5R, 10nF, 10V, -10%/+10%, -55DEGC/+125DEGC, 0201, SMD | GRM033R71A103KA01D | MURATA | 02-00599 | Compliant | Compliant |
| C32 C33 | 2 | 15pF | CAPACITOR, CERAMIC, 15pF, 50V, -5%/+5%, -55DEGC/+125DEGC, 0201, SMD | GRM0332C1H150JA01D | MURATA | 02-06059 | Compliant | Compliant |
| CR1 | 1 | LS L296-P2Q2-1 | OPTO, LED, SUPER RED COLOR, 630nm, 1.8V TO 2.3V, 0.06A, 0603, SMD | LS L296-P2Q2-1 | OSRAM | 15-01169 | Compliant | Compliant |
| CR3 | 1 | LPL296-J2L2-25 | OPTO, LED, GREEN COLOR, 562nm, 0.02A, 0.08W, 0603, SMD | LP L296-J2L2-25 | OSRAM | 15-01023 | Compliant | Compliant |
| FIDU1 FIDU2 FIDU3 FIDU4 FIDU5 FIDU6 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| F11 | 1 | BLM18HE152SN1 | FILTER, EMI, 1500@100MHz, -55DEGC/+125DEGC, 0603, SMD | BLM18HE152SN1D | MURATA | 04-00470 | Compliant | Compliant |
| J1 | 1 | MM5829-2700 | CONNECTOR, COAX, MALE, UP TO 12GHz, 30V, SMD | MM5829-2700R14 | MURATA | 06-05051 | Compliant | Compliant |
| J2 | 1 | LSS-110-01-F-DV-A-TR | CONNECTOR, HEADER, HI-SPEED SOCKET, FEMALE, STRAIGHT, 2 ROWS, 20 PINS, PITCH 0.635mm, SMD | LSS-110-01-F-DV-A-TR | SAMTEC | 06-03032 | Compliant | Compliant |
| L1 | 1 | 10uH | INDUCTOR, CHIP, 10uH, -20%/+20%, 0.11A, -40DEGC/+85DEGC, 0805, SMD | CKS2125100M-T | TAIYO YUDEN | 03-06514 | Compliant | Compliant |
| L2 L3 | 2 | 2.4nH | INDUCTOR, CHIP, 2.4nH, -0.3nH/+0.3nH, 0.3A, -55DEGC/+125DEGC, 0402, SMD | LQG15HS2N4S02D | MURATA | 03-06515 | Compliant | Compliant |
| LBL1 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| P1 | 1 | BB02-BS101-KA8-025B00 | CONNECTOR, HEADER, MALE, 2 ROWS, 10 PINS, PITCH 1.27mm, SMD | BB02-BS101-KA8-025B00 | GRADCONN | 06-03298 | Compliant | Compliant |
| Q1 | 1 | BC846B | TRANSISTOR, BIPOLAR NPN, 65V, 0.1A, 0.25W, SOT-23, SMD | BC846B,235 | NEXPERIA | 16-00000 | Compliant | Compliant |
| R1 | 1 | 100k | RESISTOR, THICK FILM, 100k, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD | CRCW0402100KINED | VISHAY | 01-22492 | Exempt | Compliant |
| R2 R3 R4 R5 R7 R17 R18 | 7 | 10k | RESISTOR, THICK FILM, 10k, -5%/+5%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD | CRCW020110K0JINED | VISHAY | 01-04196 | Compliant | Compliant |
| R6 | 1 | 200k | RESISTOR, THICK FILM, 200k, -1%/+1%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD | CRCW0201200KFKED | VISHAY | 01-03399 | Compliant | Compliant |
| R8 | 1 | 5.1 | RESISTOR, THICK FILM, 5.1k, -5%/+5%, 0.05W, 25V, -55DEGC/+125DEGC, 0201, SMD | RMCI205R1JPA | KAMAYA | 01-00444 | Compliant | Compliant |
| R10 | 1 | 680 | RESISTOR, THICK FILM, 680, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD | CRCW0402680JINED | VISHAY | 01-22485 | Exempt | Compliant |
| R11 R31 R32 | 3 | 0 | RESISTOR, THICK FILM, 0, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD | CRCW0201000Z0ED | VISHAY | 01-04043 | Exempt | Compliant |
| R16 | 1 | 2.2k | RESISTOR, THICK FILM, 2.2k, -5%/+5%, 0.05W, 30V, -55DEGC/+125DEGC, 0201, SMD | CRCW02012K20JINED | VISHAY | 01-04180 | Compliant | Compliant |
| R21 R22 | 2 | 270 | RESISTOR, THICK FILM, 270, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD | CRCW0402270JINED | VISHAY | 01-22484 | Exempt | Compliant |
| R23 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| R27 | 1 | 150 | RESISTOR, THICK FILM, 150, -5%/+5%, 0.063W, 50V, -55DEGC/+155DEGC, 0402, SMD | CRCW0402150JINED | VISHAY | 01-22483 | Exempt | Compliant |
| R28 | 1 | 100k | RESISTOR, THICK FILM, 100k, -5%/+5%, 0.05W, 30V, -55DEGC/+155DEGC, 0201, SMD | CRCW0201100KINED | VISHAY | 01-04220 | Compliant | Compliant |
| R50 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| SW1 SW2 | 2 | MTA2-WNC | SWITCH, TACT, RIGHT ANGLE, SPST-NO, 0.05A@12VDC, SMD | MTA2-WNCQR | DIPTRONICS | 08-00395 | Compliant | Compliant |
| U1 | 1 | CC2650F128RGZ | IC, MICROCONTROLLER, 2.4GHZ SIMPLINK WIRELESS MCU, PITCH 0.5mm, QFN48-EP, SMD | CC2650F128RGZT | TEXAS INSTRUMENTS | 18-28499 | Compliant | |
| U2 U11 | 2 | TFS22910AYZV | IC, ANALOG, LOW ON-RESISTANCE LOAD SWITCH WITH CONTROLLED TURN-ON, ENABLE:ACTIVE LOW, 1.4V TO 5 | TFS22910AYZVR | TEXAS INSTRUMENTS | 18-29653 | Compliant | |
| U3 | 1 | BMF280 | IC, TRANSDUCER PRESSURE, 300 to 110 hPa, 1.71V TO 3.6V, LGA8, SMD | BMF280 | BOSCH | 18-28617 | Exempt | Compliant |
| U4 | 0 | DNM | DNM | DNM | DNM | DNM | DNM | |
| U6 | 1 | SPH0641LU4H | IC, DIGITAL, MICROPHONE WITH MULTIPLE PERFORMANCE MODE, 1.62V TO 3.6V, SMD | SPH0641LU4H-1 | KNOWLES | 18-28648 | Compliant | Compliant |
| U7 | 1 | OPT3001 | IC, ANALOG, OPT3001, S0N6, SMD | OPT3001DNPR | TEXAS INSTRUMENTS | 18-28621 | Compliant | Compliant |
| U8 | 1 | MPU-9250 | IC, TRANSDUCER, 3-AXIS ACCELEROMETER, 3-AXIS GYROSCOPE, 2.4V TO 3.6V, QFN24, SMD | MPU-9250 | INVENSENSE | 18-29442 | Compliant | Compliant |
| U9 | 1 | HDC1000YPA | IC, TRANSDUCER, LOW POWER, HIGH ACCURACY DIGITAL HUMIDITY SENSOR WITH INTEGRATED TEMPERATURE | HDC1000YPAR | TEXAS INSTRUMENTS | 18-31481 | Compliant | |
| U10 | 1 | MX25R8035FZUILO | IC, MEMORY, FLASH, SERIAL, 8Mbit, 1.65V TO 3.6V, US0N8, SMD | MX25R8035FZUILO | MACRONIX | 18-31726 | Compliant | Compliant |
| U12 | 1 | DRV5032FBD8ZR | IC, TRANSDUCER, ULTRA-LOW POWER DIGITAL SWITCH HALL EFFECT SENSOR, 1.65V TO 5.5V, SOT23-3, SMD | DRV5032FBD8ZR | TEXAS INSTRUMENTS | 18-33452 | Missing info | Compliant |
| Y1 | 1 | 32.768kHz | CRYSTAL, RESONATOR, 32.768kHz, -20PPM/+20PPM, -40DEGC/+85DEGC, SMD | FC-135 32.7680KA-AG0 | EPSON | 12-00546 | Exempt | Compliant |
| Y2 | 1 | 24MHz | CRYSTAL, CRYSTAL OSCILLATOR, 24MHz, -15PPM/DEGC/+15PPM/DEGC, -40DEGC/+85DEGC, SMD | TSX-3225 24.0000MF15X-AC3 | EPSON | 12-00757 | Compliant | Compliant |

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