

Bill of Materials

TI DESIGNS
Part # TIDM-WIRELESSSENSORNODE
Literature # TIDR103

| DESIGNATOR | VALUE | TOLERANCE | Package | MANUFACTURER | PART NUMBER | Remarks |
|--------------------------------|---------|-----------|------------------|--------------|-----------------------------|--|
| 21 | 100n | 10% | 0402 | | | |
| C2 | 100n | 10% | 0402 | | | |
| C41 | 100n | 10% | 0402 | | | |
| C51 | 100n | 10% | 0402 | | | |
| C81 | 27p | 5% | 0402 | | | |
| C91 | 220p | 10% | 0402 | | | |
| C101 | 27p | 5% | 0402 | | | |
| C111 | 100n | 10% | 0402 | | | |
| C121 | 100p | 5% | 0402 | | | |
| C122 | 1p | 5% | 0402 | | | |
| C123 | 0.47p | 5% | 0402 | | | |
| C124 | 0.47p | 5% | 0402 | | | |
| C125 | 100p | 5% | 0402 | | | |
| C126 | 100p | 5% | 0402 | | | |
| C131 | 100p | 5% | 0402 | | | |
| C132 | 1p | 5% | 0402 | | | |
| C141 | 100n | 5% | 0402 | | | |
| C151 | 220p | 10% | 0402 | | | |
| C181 | 220p | 10% | 0402 | | | |
| R1 | 0 | 1% | 0402 | | | |
| R2 | 560R | 1% | 0402 | | Resistor for D2 (Green LED) | |
| R5 | 47k | 1% | 0402 | | | |
| R6 | 330R | 1% | 0402 | | Resistor for D1 (Red LED) | |
| R171 | 56K | 1% | 0402 | | | |
| L121 | 4n7 | | 0603 | | | |
| L2 | 1μ | | 0603 | | | |
| L123 | 4n7 | | 0603 | | | |
| L131 | 4n7 | | 0603 | | | |
| C1 | | | 40-pin QFN (RHA) | ТΙ | MSP430F2274IRHA | |
| IC2 | | | QLP20 | TI | CC2500 | |
| D1 | Red | | 0603 | | | LED |
| D2 | Green | | 0603 | | | LED |
| Q2 | | | 5 x 3,5 | Compotek | CTA531-26.000-16-10/10/A | HF-Quartz |
| ANT1 | | | 9 x 2 | Würth | 7488910245 | Chip antenna |
| ST1 | | | 1.27 pitch | Mill-Max | Mouser PN: 575-501201 | 6-pin header |
| TS1 | | | B3U-1000P | Omron | B3U-1000P | Button |
| 0 x 30 mm, 1mm thick chem. gol | old FR4 | | | | | NOTE: Correct PCB is critical f proper RF performance. |

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