

# Bill of Materials

**TI DESIGNS**

TIPD197: Software Pacemaker Detection Reference Design

| Item # | Quantity | Value   | Designator     | Description  | Manufacturer      | Manufacturer Part Num | Supplier Part Number  |
|--------|----------|---------|----------------|--|-------------------|-----------------------|-----------------------|
| 1      | 2        | 1uF     | C1, C2         | 10%, X5R, 0402   | TDK               | C1005X5R1A105K050BB   | 445-4114-1-ND         |
| 2      | 1        | 2.2uF   | C3             | CAP, CERM, 2.2 $\mu$ F, 10 V, +/- 10%, X5R, 0402               | TDK               | C1005X5R1A225K050BC   | 445-7392-1-ND         |
| 3      | 2        | 1000pF  | C4, C5         | CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0402                  | MuRata            | GRM155R72A102KA01D    | GRM155R72A102KA01D-ND |
| 4      | 2        | 1000pF  | C6, C7         | CAP, CERM, 1000 pF, 25 V, +/- 5%, C0G/NP0, 0402                | TDK               | C1005C0G1E102J050BA   | 445-2651-1-ND         |
| 5      | 1        | 0.18uF  | C8             | CAP, CERM, 0.18 $\mu$ F, 10 V, +/- 10%, X5R, 0402              | MuRata            | GRM155R61A184KE19D    | GRM155R61A184KE19D-ND |
| 6      | 1        |         | J1             | Header, 100mil, 3x1, TH  | Mill-Max          | 800-10-003-10-001000  | ED7203-ND             |
| 7      | 1        |         | J2             | Header, 100mil, 4x1, TH  | Mill-Max          | 800-10-004-10-001000  | ED7204-ND             |
| 8      | 1        | 0       | R1             | RES, 0, 5%, 0.063 W, 0402                                      | Panasonic         | ERJ-2GE0R00X          | P0.0JCT-ND            |
| 9      | 1        | N/A     | R2             | DNP  | N/A               | N/A                   | N/A                   |
| 10     | 4        | 1.5k    | R3, R4, R5, R6 | RES, 1.5 k, 5%, 0.063 W, 0402                                  | Vishay-Dale       | CRCW04021K50JNED      | 541-1.5KJCT-ND        |
| 11     | 1        | 10.0Meg | R7             | RES, 10.0 M, 1%, 0.063 W, 0402                                 | Vishay-Dale       | CRCW040210M0FKED      | 541-10.0MLCT-ND       |
| 12     | 1        | Red     | TP1            | Test Point, Multipurpose, Red                                  | Keystone          | 5010                  | 5010K-ND              |
| 13     | 1        | Red     | TP2            | Test Point, Multipurpose, Red                                  | Keystone          | 5010                  | 5010K-ND              |
| 14     | 2        | Black   | TP3, TP4       | Test Point, Multipurpose, Black                                | Keystone          | 5011                  | 5011K-ND              |
| 15     | 1        |         | U1             | Ultra-Low Power, Ultra-Small Size, 12-Bit, 1-MSPS, SAR ADC     | Texas Instruments | ADS7042IRUGR          | 296-38531-2-ND        |
| 16     | 1        |         | U2             | Precision, 20 MHz, 0.9 pA Ib, RRIO, CMOS Operational Amplifier | Texas Instruments | OPA320AIDBVR          | 296-29480-2-ND        |

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