



# Bill of Materials

TI DESIGNS

TIPD197: Software Pacemaker Detection Reference Design

Item #	Quantity	Value	Designator	Description	Manufacturer	Manufacturer Part Number	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