

Bill of Materials

TI DESIGNS TIDA-00241

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	1	J8	PEC02SAAN	Header, Male 2-pin, 100mil	Sullins	PEC02SAAN		0.100 inch x 2	
3	1	R1	0.010	Resistor, Power Metal Strip, 0.25W, 1%	Vishay	WSL0805R0100FEA1		805	
4	2	R2, R3	5.1k	RES, 5.1k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04025K10JNED		0402	
5	3	R4, R6, R9	1.00Meg	RES, 1.00Meg ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW04021M00FKED		0402	
6	1	R5	510	RES, 510 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW0402510RJNED		0402	
7	2	R7, R8	300	RES, 300 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW0402300RJNED		0402	
8	2	R10, R11	100	RES, 100 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402100RFKED		0402	
10	3	TP1, TP5, TP11	5001	Test Point, Black, Thru Hole Color Keyed	Keystone	5001		0.100 x 0.100 inch	
11	5	TP2, TP4, TP6, TP9, TP10	5000	Test Point, Red, Thru Hole Color Keyed	Keystone	5000		0.100 x 0.100 inch	
12	3	TP3, TP7, TP8	5002	Test Point, White, Thru Hole Color Keyed	Keystone	5002		0.100 x 0.100 inch	
13	1	U1	BQ27411DRZ-G1x	IC, Single-Cell Impedance Track Gas Gauge	TI	BQ27411DRZ-G1x	None	QFN12	

Notes:

Unless otherwise noted in the Alternate Part column, all parts may be substituted with equivalents.

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