

Bill of Materials

TI DESIGNS

TIPD180: 50 A Closed Loop Current Transducer

Item #	Quantity	Value	Designator	Description	Manufacturer	Manufacturer Part Number	Supplier Part Number
1	1	1.0uF	C1	0603, Ceramic, X7R, 10V, 10%	Kemet	C0603C105K8RACTU	399-11133-1-ND
2	1	0.1uF	C2	0603, Ceramic, X7R, 10V, 10%	Kemet	C0603C104K8RACTU	399-1095-1-ND
3	2	Yellow	D1, D2	LED, Yellow , SMD	Lite-On	LTST-C170KSKT	160-1416-1-ND
4	2	SCHOTTKY	D3, D4	Dual Schotkey	Vishay	BAT54S-E3-08	BAT54S-E3-08CT-ND
5	1	HEADER	J1	4x1 100 mil male header	Samtec	TSW-104-06-T-S	
6	2	200	R1, R4	200 ohm, 0603, 5%, .1W Resistor	Yageo America	RC0603JR-07200RL	311-200GRCT-ND
7	0	N/A	R2, R3	N/A	N/A	Not Installed	
8	1	43	R5	43 ohm, 0603, 5%, .1W Resistor	Yageo America	RC0603JR-0743RL	311-43GRCT-ND
9	3	10k	R6, R9, R10	10K ohm, 0603, 5%, .1W Resistor	Yageo America	RC0603JR-0710KL	311-10KGRCT-ND
10	1	10	R7	10 ohm, 1206, 0.1%, 1W Resistor	Vishay	PHP01206E10R0BST5	PHP10.0ACT-ND
11	1	0	R8	0 ohm, 0603, 5%, .1W Resistor	Yageo America	RC0603JR-070RL	311-0.0GRCT-ND
12	1	TPQL50A	U1	TopStek Passive Hall Sensor	Topstek	TPQL50A	
13	1	DRV411	U2	DRV411	Texas Instruments	DRV411IARGP	

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