

# Bill of Materials

**TI DESIGNS**

TIPD129: 0-1A, Single-Supply, Low-Side, Current Sensing Solution

Item #	Quantity	Designator	Value	Description	Manufacturer	PartNumber
1	6	C1, C3, C5, C6, C9, Copt	0.1uF	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	AVX	0603YC104JAT2A
2	1	C2	4.7uF	CAP CER 4.7UF 16V 20% X5R 0603	TDK Corporation	C1608X5R1C475M080AC
3	2	C4, C8	10uF	CAP, TANT, 10uF, 20V, +/-20%, 1 ohm, 3528-21	AVX	TPSB106M020R1000
4	2	C7, C10	22uF	CAP, CERM, 22uF, 10V, +/-20%, X5R, 0603	Samsung	CL10A226MP8NUNE
5	1	RF	360k	RES 360K OHM 1/8W .05% 0805 SMD	Susumu	RG2012N-364-W-T1
6	1	RG	7.5k	RES 7.5K OHM 1/10W .05% 0603 SMD	Susumu	RG1608N-752-W-T1
7	1	Rshunt	0.1	RES 0.1 OHM 1W .1% 2512	Vishay Foil Resistors	Y14870R10000B9W
8	2	TP1, TP2		Test Point, TH, Compact, Yellow	Keystone	5009
9	1	TP4		Test Point, TH, Compact, Red	Keystone	5005
10	1	TP3		Test Point, TH, Compact, Black	Keystone	5006
11	3	J1, J2, J3		Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	On-Shore Technology	ED555/2DS
15	1	U1		OPA320 SOT23-5 DBV	Texas Instruments	OPA320
16	1	U2		LM7705 Low Noise Negative Bias Generator	Texas Instruments	LM7705
***Hardware***						
17	4	S1, S2, S3, S4		STANDOFF HEX 4-40THR ALUM 1L"	Keystone	2205
18	4	S5, S6, S7, S8		MACHINE SCREW PAN PHILLIPS 4-40	B&F Fastener Supply	PMSSS 440 0025 PH

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