

Bill of Materials

TI DESIGNS

TIPD135: 10uA-100mA, 0.05% Error, High-Side Current Sensing

Item #	Quantity	Value	Designator	Description	Manufacturer	Part Number	Supplier Part Number
1	9	10nF	C1, C2, C3, C4, C7, C8, C10, C11, C12	CAP CER 10000PF 50V 10% X7R 0603	Samsung Electro-Mechanics America	CL10B103KB8NNNC	1276-1009-1-ND
2	2	1nF	C5, C9	CAP CER 1000PF 50V 10% X7R 0603	Samsung Electro-Mechanics America	CL10B102KB8NNNC	1276-1018-1-ND
3	1	100nF	C6	CAP CER 0.1UF 50V 10% X7R 0603	Samsung Electro-Mechanics America	CL10B104KB8NNNC	1276-1000-1-ND
4	3	10µF	C13, C14, C15	CAP CER 10UF 25V 10% X7R 1206	Samsung Electro-Mechanics America	CL31B106KAHNNNE	1276-1804-1-ND
5	2	TVS	D1, D2	TVS 20 VOLT 600 WATT BI-DIR SMB	Littelfuse Inc	SMBJ20CA	SMBJ20CALFCT-ND
6	1	SCHOTTKY	D3	DIODE SCHOTTKY 30V 200MA SOT23	Vishay Semiconductor Diodes Division	BAT54-V-GS08	BAT54-V-GS08CT-ND
7	1	LED	LED1	LED RED CLEAR 0603 SMD	Lite-On Inc	LTST-C190CKT	160-1181-1-ND
8	5	1k	R1, R3, R5, R7, R9	RES 1K OHM 1/8W 5% 0805	Stackpole Electronics Inc	RMCF0805JT1K00	RMCF0805JT1K00CT-ND
9	5	100k	R2, R4, R6, R8, R10	RES 100K OHM 1/8W 5% 0805	Stackpole Electronics Inc	RMCF0805JT100K	RMCF0805JT100KCT-ND
10	4	75	R11, R12, R13, R14	RES 75 OHM 1/8W 1% 0805	Stackpole Electronics Inc	RMCF0805FT75R0	RMCF0805FT75R0CT-ND
11	2	20k	R15, R16	RES 20K OHM 1/8W 1% 0805	Stackpole Electronics Inc	RMCF0805FT20K0	RMCF0805FT20K0CT-ND
12	2	22	R17, R21	RES 22.0 OHM .5W 1% 1206 SMD	Vishay Dale	CRCW120622R0FKEAHP	541-22.0UCT-ND
13	1	221	R18	RES 221 OHM 1/8W 1% 0805	Stackpole Electronics Inc	RMCF0805FT221R	RMCF0805FT221RCT-ND
14	1	33.2k	R19	RES 33.2K OHM 1/8W 1% 0805	Stackpole Electronics Inc	RMCF0805FT33K2	RMCF0805FT33K2CT-ND
15	1	10k	R20	RES 10K OHM 1/8W 1% 0805	Stackpole Electronics Inc	RMCF0805FT10K0	RMCF0805FT10K0CT-ND
16	1	6.8	RSH	RES 6.8 OHM 16W 1% 2512 SMD	Susumu	CPA2512Q6R80FS-T10	CPA25Q6.8CT-ND
17	1	SWITCH	SW1	SWITCH DIP 5POS TOP ACT GULLEAD	Omron Electronics Inc-EMC Div	A6S-5104-H	SW1013-ND
18	1	PGA281	U1	PGA281 TSSOP-16 PGA	Texas Instruments	PGA281AIPW	PGA281AIPW
19	1	TPS7A4101	U2	TPS7A4101 ADJUSTABLE LDO	Texas Instruments	TPS7A4101DGN	TPS7A4101DGN
20	4	BNC	J1, J6, J3, J5	CONN BNC JACK R/A 50 OHM PCB	TE Connectivity	1-1634612-0	A97555-ND
21	5	BANANA	J2, J4, J7, J8, J9	CONN JACK BANANA UNINS PANEL MOUNT	Emerson Network Power Connectivity	108-0740-001	J147-ND
22	4	SCREW	Screws	SCREW MACHINE PHILLIPS 4-40X3/8	B&F Fastener Supply	PMS 440 0038 PH	H781-ND
23	4	STANDOFF	Standoffs	STANDOFF HEX 4-40THR ALUM .500"L	Keystone Electronics	2203	2203K-ND

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