



Bill of Materials

TI DESIGNS

TIDA-00332

| Item | Qty | Reference | Value | Part Description | Manufacturer | Manufacturer Part Number | Alternate Part | PCB Footprint | Note |
|------|-----|---|--------|---|---------------------------|--------------------------|--------------------|---------------|------|
| 1 | 2 | C1, C2 | 10pF | CAP, CERM, 10pF, 50V, +/-5% | Kemet | C0603C100J5GACTU | CL10C100JB8NCNC | 0603 | |
| 2 | 1 | D1 | 12V | Diode, Zener, 12V, 500mW, SOD-323 | Diodes Inc. | DDZ12CSF-7 | MM3Z12VST1G | SOD-323 | |
| 3 | 5 | GND, GND_1, TP3 Out, TP1 400V, TP2 390V | SMT | Test Point, Compact, SMT | Keystone | 5016 | | | |
| 4 | 2 | J1 Vin, J3 Vout | 10A | Standard Banana Jack, insulated, 10A, red | DEM Manufacturing | 571-0500 | | | |
| 5 | 2 | J2 GND, J4 GND | 10A | Standard Banana Jack, insulated, 10A, black | DEM Manufacturing | 571-0100 | | | |
| 6 | 1 | Q2 | 500V | Transistor, PNP, 500V, 0.5A, SOT-23 | ST | STR2550 | PBHV9050T,215 | SOT-23 | |
| 7 | 1 | R1 | 200k | RES, 200kohm, 1%, 1W, 2010 | Vishay-Dale | CRCW20101R00JNEFHP | CRM2010-FX-2003ELF | 2010 | |
| 8 | 1 | R2 | 0.05 | RES, 0.05 ohm, 1%, 2W, 2512 | Stackpole Electronics Inc | CSRN2512FK50L0 | PF2512FKF7WOR05L | 2512 | |
| 9 | 1 | R3 | 49.9k | RES, 49.9k ohm, 1%, 0.1W, 0603 | Rohm Semiconductor | MCR03ERTF4992 | RC1608F4992CS | 0603 | |
| 10 | 1 | U3 | INA138 | IC, High-Side Measurement Current Shunt Monitor | TI | INA138 | INA139 | SOT23 | |

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