

# Bill of Materials

**TI DESIGNS**
**TIDA-00533**

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	C1	10uF	CAP, TANT, 10uF, 25V, +/-10%, 0.5 ohm,	AVX	TPSC106K025R0500	6032-28
2	1	C2	1uF	CAP, MLCC, 1uF, 25V, +/-10%, X7R,	AVX	12103C105KAT2A	1206
3	1	C3	10uF	CAP, MLCC, 10uF, 16V, +/-10%, X7R, 1206	AVX	1206YC106KAT2A	1206
4	1	C4	10uF	CAP, TANT, 10uF, 10V, +/-10%, 0.9 ohm, 3216-18 SMD	AVX	TPSA106K010R0900	3216-18
5	1	C5	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0805	AVX	08055C104KAT2A	0805
6	1	C6	10uF	CAP, CERM, 10 µF, 16 V, +/- 10%, X7R,	MuRata	GRM31CR71C106KAC7	1206
7	2	GND		Standard Banana Jack, Insulated, Black	Keystone	6092	6092
8	1	Q1	60V	MOSFET, N-CH, 60 V, 0.31 A, SOT-323	Fairchild Semiconductor	2N7002KW	SOT-323
9	1	R1	10.0k	RES, 10.0 k, 1%, 0.125 W, 0805	Vishay-Dale	CRCW080510K0FKEA	0805
10	1	R2	100k	RES, 100 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-07100KL	0603
11	2	TP1, TP2	Red	Test Point, TH, Miniature, Red	Keystone Electronics	5000	
12	2	TP3, TP4	Black	Test Point, Miniature, Black, TH	Keystone	5001	Black Miniature
13	1	TP5	White	Test Point, TH, Miniature, White	Keystone	5002	Keystone5002
14	1	U1		LP38798SD LDO Regulator	Texas Instruments	LP38798SD-ADJ	SDA12B (12-pin LLP)
15	3	V_OFF, VIN, VOUT		Standard Banana Jack, Insulated, Red	Keystone	6091	6091

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