

# Bill of Materials

TI DESIGNS

TIDA-00531

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	!PCB		Printed Circuit Board	Any	TIDA-00531	
2	1	C1	0.1uF	CAP, CERM, 0.1 $\mu$ F, 16 V, +/- 10%,	MuRata	GRM188R61C104KA01D	0603
3	1	Cff	510pF	CAP, CERM, 510 pF, 50 V, +/- 5%, COG/NP0, 0603	MuRata	GRM1885C1H511JA01D	0603
4	2	Cin, Cout	10uF	CAP, CERM, 10 $\mu$ F, 25 V, +/- 10%, X5R, 0805	TDK	C2012X5R1E106K125AB	0805
5	1	Css	0.01uF	CAP, CERM, 0.01 $\mu$ F, 50 V, +/- 10%, X5R, 0603	MuRata	GRM188R61H103KA01D	0603
6	1	GND	Black	Test Point, Multipurpose, Black,	Keystone	5011	Black Multipurpose Testpoint
7	2	J1, J2		Connector, Receptacle, 100mil,	Samtec	SSW-110-23-F-S	10x1 Receptacle
8	1	R1	604	RES, 604, 1%, 0.1 W, 0603	Yageo America	RC0603FR-07604RL	0603
9	1	R2	4.53k	RES, 4.53 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-074K53L	0603
10	1	R3	1.40k	RES, 1.40 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-071K4L	0603
11	2	R4, R5	4.7k	RES, 4.7 k, 5%, 0.125 W, 0805	Vishay-Dale	CRCW08054K70JNEA	0805
12	1	R6	0	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	0603
13	1	U1		Micropower 800mA Low Noise "Ceramic Stable" Adjustable Voltage Regulator for 1V to 5V Applications, 8-pin PSOP, Pb-Free	Texas Instruments	LP3878MR-ADJ/NOPB	MRA08A
14	1	U2		128 TAPS Single Channel Digital Potentiometer with I2C Interface, DCK0006A	Texas Instruments	TPL0401A-10DCKR	DCK0006A
15	1	Vin	Red	Test Point, Multipurpose, Red, TH	Keystone	5010	Red Multipurpose Testpoint
16	1	Vout	Orange	Test Point, Multipurpose, Orange, TH	Keystone	5013	Orange Multipurpose Testpoint
17	0	FID1, FID2, FID3		Fiducial mark. There is nothing to buy or mount.	N/A	N/A	Fiducial

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