

# Bill of Materials

TI DESIGNS

TIDA-00393

Item	Qty	Reference	Value	Part Description	Manufacturer	Manufacturer Part Number	Alternate Part	PCB Footprint	Note
1	2	C1, C2	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	STD	STD		1210	
2	1	C4	100nF	Capacitor, Ceramic, 50V, X7R, 20%	STD	STD		0603	
3	1	C5	10nF	Capacitor, Ceramic, 50V, X7R, 20%	STD	STD		0603	
4	1	C6	1nF	Capacitor, Ceramic, 50V, X7R, 20%	STD	STD		0603	
5	1	C7	47pF	Capacitor, Ceramic, 50V, X7R, 20%	STD	STD		0603	
6	1	C8	47uF	Capacitor, Ceramic, 6.3, X5R, 20%	TDK	C3216X5R0J476MT		1206	
7	1	C11	1 uF	Capacitor, Ceramic, 6.3, X5R, 20%	TDK	STD		0603	
8	1	L1	6.8uH	Inductor, SMT, 3.84A, 35 mW	Sumida	CDRH103RNP-6R8		0.406 x 0.409	
9	1	SD1	B340A	Diode, Schottky, 3A, 40V	Diodes Inc	B340A		SMA	
10	1	SD2	1N4148	Diode Rectifier	Powerex Inc	1N4148		SMA	
11	1	R3	29.4kΩ	Resistor, Chip, 1/16W, 1%	STD	STD		0603	
12	1	R4	0Ω	Resistor, Chip, 1/16W, 1%	STD	STD		0603	
13	1	R5	499kΩ	Resistor, Chip, 1/16W, 1%	STD	STD		0603	
14	1	R6	150kΩ	Resistor, Chip, 1/16W, 1%	STD	STD		0603	
15	1	R7	1kΩ	Resistor, Chip, 1/16W, 1%	STD	STD		0603	
16	1	U2	TPS54331	IC, DC-DC Converter, 28V, 3A	TI	TPS54331D		SO-8	
17	1	U1	TPS70933	IC, 150 mA, ultra-low IQ, 1-μA LDO regula	TI	TPS70933DBV		SOT-23	

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