

Bill of Materials

TI DESIGNS

Item #	Quantity	Designator	Value	Description	Manufacturer	PartNumber	Alternate Part	Footprint	ComponentLink1URL
1	1	C19	10uF	CAP, TANT, 10uF, 10V, +/-20%,	Vishay-Sprague	293D106X0010B2TE3		3528-21	Digkey Product Folder
2	1	C28	220uF	CAP, TANT, 220uF, 6.3V, +/-10%, 0.6 ohm, 7343-31 SMD	Vishay-Sprague	293D227X96R3D2TE3		7343-31	Digkey Product Folder
3	4	H5, H6, H7, H8		Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C		Keystone_1902C	Digkey Product Folder
4	8	C8A, C8B, C9A, C9B, C12A, C12B, C13A, C13B	47pF	CAP, CERM, 47pF, 50V, +/-5%, COG/NPO, 0603	AVX	06035A470JAT2A		0603	Digkey Product Folder
5	1	FR		Fuse, 1A,125V, SMD	Cooper Bussman	6125FA1A		6125FA	Digkey Product Folder
6	1	C21	DNA	CAP, CERM, 2200pF, 50V, +/- 10%, X7R, 0603	Kemet	C0603X222K5RACTU		0603	
7	2	C11, C20	0.1uF	CAP, CERM, 0.1uF, 10V, +/-10%,	TDK	C1005X5R1A104K		0402	Digkey Product Folder
8	1	C4	470nF	CAP, CERM, 470nF, 16V, [TempCo], xx%, [PackageReference]	Taiyo Yuden	EMK107F474ZA-T		0603	Digkey Product Folder
9	6	R8A, R8B, R9A, R9B, R11A, R11B	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA		0603	Digkey Product Folder
10	1	R16	4.7k	RES, 4.7k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06034K70JNEA		0603	Digkey Product Folder
11	2	R15A, R15B	1.50k	RES, 1.50k ohm, 1%, 0.125W,	Vishay-Dale	CRCW08051K50FKEA		0805	Digkey Product Folder
12	2	R10A, R10B	100	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA		0603	Digkey Product Folder
13	1	R34	330	RES, 330 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603330RJNEA		0603	Digkey Product Folder
14	6	R49, R50, R51, R52, R53, R54	0	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA		0603	Digkey Product Folder
15	4	C10A, C10B, C14A, C14B	0.015uF	CAP, CERM, 0.015uF, 16V, +/-	MuRata	GRM188R71C153KA0		0603	Digkey Product Folder
16	1	J9		Header, 4-Pin				3-644456-4	Digkey Product Folder
17	2	NEUTRAL_IN, NEUTRAL_OUT			N/A	Used in BOM report		Hole for Banana Socket	N/A
18	1	LIVE_1_IN			N/A	Used in BOM report		Hole for Banana Socket	N/A
19	1	LIVE_1_OUTA			N/A	Used in BOM report		Hole for Banana Socket	N/A
20	1	LIVE_1_OUTB			N/A	Used in BOM report		Hole for Banana Socket	N/A
21	1	LIVE_2_IN			N/A	Used in BOM report		Hole for Banana Socket	N/A
22	1	LIVE_2_OUT			N/A	Used in BOM report		Hole for Banana Socket	N/A
23	4	L1A, L1B, L2A, L2B		Inductor, FERRITE CHIP 120 OHM	Murata Electronics	BLM21BD1215N1D		YW0805	Digkey Product Folder
24	2	LED1, LED5		Red	Lite-On Inc	LTST-C170KRRKT		0805-LED	Digkey Product Folder
25	2	LED2, LED6		Green	Lite-On Inc	LTST-S220KGKT		0805-LED	Digkey Product Folder
26	2	LED3, LED7		Blue	Lite-On Inc	LTST-C170TBKT		0805-LED	Digkey Product Folder
27	1	LED4		White	Lite-On Inc	LTW-170TK		0805-LED	Digkey Product Folder
28	1	P1		Header, 7-Pin, Dual row	TE Connectivity	A104860-ND		2X7BOXHEADER	Digkey Product Folder
29	1	U1		MSP430i2040	Texas Instruments	MSP430i2040PW		TSSO10x6-G28	
30	4	H1, H2, H3, H4		Machine Screw, Round, #4-40 x	B&F Fastener Supply	NY PMS 440 0025 PH		NY PMS 440 0025 PH	Digkey Product Folder
31	1	J8	1x3	Header, TH, 100mil, 1x3, Gold plated, 230 mil above insulator	Sullins Connector Solutions	PBC03SAAN		PBC03SAAN	Digkey Product Folder
32	1	!PCB		Printed Circuit Board	Any				
33	6	R1A, R1B, R13A, R13B, R14A, R14B	330k	Resistor, 330kOhm, 1W, 1%	TE Connectivity	1-2176071-0		R2512	Digkey Product Folder
34	7	R2, R3, R4, R5, R7, R12, R17	390	RES, 390 ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-07390RL		0603	Digkey Product Folder

[illegible]