

BILL OF MATERIALS

TIDA #

TIDA-00233

Designator	Description	Manufacturer	PartNumber	Qty	Supplier 1	Supplier P/N 1	Supplier 2	Supplier P/N 2
C1	CAP, CERM, 1000pF, 100V, +/-5%, X7R, 0603	AVX	06031C102JAT2A	1	Digi-Key	478-3698-1-ND	Mouser	581-06031C102J
C2	CAP, CERM, 0.47uF, 50V, 10%, X5R, 0603	Taiyo Yuden	UMK107ABJ474KA-T	1	Digi-Key	587-3171-6-ND		
C3, C5, C6	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	MuRata	GRM188R72A104KA35D	3	Digi-Key	490-3285-1-ND	Mouser	81-GRM188R72A104KA35
C4	CAP, CERM, 4.7uF, 100V, +/-10%, X7S, 1210	TDK	C3225X7S2A475K200AB	1	Digi-Key	445-6042-1-ND	Mouser	810-C3225X7S2A475K
D1, D4	Diode, TVS, Bi, 33V, 1500W, SMC	Littlefuse	SMCJ33CA	2	Digi-Key	SMCJ33CALFCT-ND	Mouser	576-SMCJ33CA
D2, D3, D5, D9	Diode, Switching, 100V, 0.15A, 0603 Diode	Bourns	CD0603-S01575	2	Digi-Key	CD0603-S01575CT-ND	Mouser	652-CD0603-S01575
D6	LED, Red, SMD	Lite-On	LTST-C190CKT	1	Digi-Key	160-1181-1-ND	Mouser	859-LTST-C190CKT
D7	LED, Blue, SMD	OSRAM	LB Q39G-L2N2-35-1	1	Digi-Key	475-2816-1-ND	Mouser	720-LBQ39GL2N2351
D8	LED, Green, SMD	Lite-On	LTST-C190KGKT	1	Digi-Key	160-1435-1-ND	Mouser	859-LTST-C190KGKT
H2, H5, H8, H11	Standoff, Hex, 0.5"L #4-40 Nylon	Keystone	1902C	4	Digi-Key	1902CK-ND		
H3, H6, H9, H12	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	B&F Fastener Supply	NY PMS 440 0025 PH	4	Digi-Key	H542-ND		
J1, J3	Standard Banana Jack, insulated, 10A, red	DEM Manufacturing	571-0500	2	Newark	30M0087	Mouser	164-6219
J2, J4	Standard Banana Jack, insulated, 10A, black	DEM Manufacturing	571-0100	2	Newark	45M6896	Mouser	164-6218
LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H	Brady	THT-14-423-10	1	Newark	97C5133	Farnell	2065596
Q1, Q2	MOSFET, N-CH, 60V, 172A, SON 5x6mm	Texas Instruments	CSD18532Q5B	2	Digi-Key	296-35628-1-ND	Mouser	595-CSD18532Q5B
R1	RES, 95.3k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060395K3FKEA	1	Digi-Key	541-95.3KHCT-ND	Mouser	71-CRCW0603-95.3K-E3
R2	RES, 8.06k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06038K06FKEA	1	Digi-Key	541-8.06KHCT-ND	Mouser	71-CRCW0603-8.06K-E3
R3	RES, 47.5k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060347K5FKEA	1	Digi-Key	541-47.5KHCT-ND	Mouser	71-CRCW0603-47.5K-E3
R4	RES, 14.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060314K0FKEA	1	Digi-Key	541-14.0KHCT-ND	Mouser	71-CRCW0603-14K-E3
R5	RES, 56.0k ohm, 0.1%, 0.1W, 0603	Vishay-Dale	CRCW060357K6FKEA	1	Digi-Key	541-57.6KHCT-ND	Mouser	71-CRCW0603-57.6K-E3
R6, R7	RES, 0.01 ohm, 1%, 1W, 1206	Vishay-Dale	WSLP1206R0100FEA	2	Digi-Key	WSLP-.01CT-ND	Mouser	71-WSLP1206R0100FEA
R8, R10, R11	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA	3	Digi-Key	541-10.0KHCT-ND	Mouser	71-CRCW0603-10K-E3
R9	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	1	Digi-Key	541-100HCT-ND	Mouser	71-CRCW0603-100-E3
TP1	Test Point, Miniature, Black, TH	Keystone		5001	Digi-Key	5001K-ND		
TP2, TP3	Test Point, Miniature, Red, TH	Keystone		5000	Digi-Key	5000K-ND		
U1	Positive High Voltage Hot Swap / Inrush Current Controller	Texas Instruments	LM5069MM-2/NOPB	1	Digi-Key	LM5069MM-2/NOPBTR-ND		
U2	LM5050-1 High Side OR-ing FET Controller	Texas Instruments	LM5050MK-1/NOPB	1	Digi-Key	LM5050MK-1/NOPBTR-ND		

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