

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	AA1	Printed Circuit Board	TBD	Used in BOM Report	1
2	CIN	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0805	MuRata	GRM2165C2A101JA01D	1
3	CO1	CAP, AL, 1000uF, 100V, +/-20%, 0.110775 ohm, TH	Nichicon	UVR2A102MRD6	1
4	CT	CAP CER 0.68UF 16V 10% X7R 0603	TDK Corporation	C1608X7R1C684K	1
5	D1	Diode, Schottky, 100V, 3A, SMC	Diodes Inc.	B3100-13-F	1
6	D2	Diode, Zener, 4.7V, 200mW, SOD-323	Diodes Inc.	MMSZ5230BS-7-F	1
7	DRAIN, GATE, GND1_S, GND2_S, OVLO, PGOOD, SENSE_RS, TIMER, UVLO,	Test Point, TH, Miniature	Keystone Electronics	5015	12
8	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
9	GND1, GND2, VEE_OUT, VEE	Terminal 90A Lug	Panduit	CB70-14-CY	4
10	Q1, Q2	MOSFET N-CH 100V 120A D2PAK	Fairchild	FDB047N10	2
11	R1, R3	RES, 182k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603182KFKEA	2
12	R2	RES, 16.5k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060316K5FKEA	1
13	R4	RES, 10k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310K0JNEA	1
14	R4/3a	RES, 6.19k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06036K19FKEA	1
15	R5, R6, R7	RES, 52.3k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120652K3FKEA	3
16	R10, RG1, RG2, RS1, RS2	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	5
17	RPWR	RES, 17.4k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060317K4FKEA	1
18	RSa, RSb	RES .003 OHM 3W 1% 3921 SMD	Vishay/Dale	WSL39213L000FEA	2
19	U1	IC CTRLR NEG HOTSWAP A/R 10MSOP	National Semiconductor	LM5067MM-2/NOPB	1
20	Z1	DIODE TVS 60V 5000W 5% UNI SMD	Littelfuse INC	5.0SMDJ60A	1
21	Z2	DIODE TVS 12V 5000W 5% UNI SMD	Littelfuse INC	5.0SMDJ12A	1
22	C1	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0805	MuRata	GRM21BR72A103KA01L	0
23	C20	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	MuRata	GRM188R71A105KA61D	0
24	CO2	CAP, AL, 220uF, 250V, +/-20%, 0.110775 ohm, TH	Panasonic	UVR2A222MRD6	0

25	CS	CAP, CERM, 1000pF, 100V, +/-20%, X7R, 0603	AVX	06031C102MAT2A	0
26	Q3	MOSFET, N-CH, 60V, 0.24A, SOT-23	Vishay-Siliconix	2N7002E-T1-E3	0
27	R2a	RES, 7.50k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06037K50FKEA	0
28	R9	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	0
29	R11	RES, 54.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060354K9FKEA	0
30	R12	RES, 12k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060312K0JNEA	0
31	R20	RES, 10k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310K0JNEA	0
32	R21	RES, 0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12060000Z0EA	0

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