

Item	Comment	Description	Designator	Manufacturer	Quantity
1	HMK325B7225KN-T	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	C1, C2, C3, C20, C21, C22	Taiyo Yuden	6
2	GRM188R71C105KA12D	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	C4, C18	MuRata	2
3	C2012X7R2A104K	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	C5	TDK	1
4	C1608X7R1H104K	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	C6, C14, C16, C24	TDK	4
5	GRM188R72A104KA35D	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	C7, C19	MuRata	2
6	06035A101JAT2A	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	C8, C11, C17	AVX	3
7	50V 10uF Ceramic	CAP ALUM 22UF 12.5V 20% SMD	C9, C10, C27, C28	Panasonic-ECG	4
8	06031C272JAT2A	CAP, CERM, 2700pF, 100V, +/-5%, X7R, 0603	C12, C29	AVX	2
9	C1608X7R1H473K	CAP, CERM, 0.047uF, 50V, +/-10%, X7R, 0603	C13	TDK	1
10	C0603C222K5RACTU	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	C15, C23	Kemet	2
11	GRM1885C1H101JA01D	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	C25, C26	MuRata	2
12	BAT46W-7-F	Diode, Schottky, 100V, 0.15A, SOD-123	D1, D2, D3, D4, Dx1	Diodes Inc.	5
13	BAT54T1G	Diode, Schottky, 30V, 0.2A, SOD-123	D?	ON Semiconductor	4
14	5000	Test Point, TH, Miniature, Red	EN2, Sync, TP IN, TP OUT, VIN, VOUT	Keystone	6
15	5001	Test Point, TH, Miniature, Black	GND, GND V	Keystone	2
16	3102-2-00-21-00-00-08-0	PC PIN .040 DIA 3102-2 SERIES	J1, J2	Mill -Max	2
17	28V @ 14A	CIRCUIT PIN PRNTD .188" .084"	J3	Mill -Max	1
18	3144-2-00-21-00-00-08-0	CIRCUIT PIN PRNTD .188" .084"	J4	Mill -Max	1
19	12V Bias Supply	PC PIN .040 DIA 3102-2 SERIES	Jx1	Mill -Max	1
20	VER2923-103KL	Inductor, Shielded E Core, Ferrite, 10.0uH, 34A, .0023 ohm, SMD	L1, L2	Coilcraft	2
21	BSC100N06LS3 G	MOSFET, N-CH, 60V, 50A, PG-TDSON-8	Q1, Q2, Q5, Q6	Infineon Technologies	4
22	Infineon, BSC047N08	MOSFET, N-CH, 60V, 100A, PG-TDSON-8	Q3, Q4, Q7, Q8	Infineon Technologies	4
23	FMMT718TA	TRANS SW PNP 20V 1.5A SOT23-3	Q?	Diodes/Zetex	4
24	CRCW06030000Z0EA	RES, 0 ohm, 5%, 0.1W, 0603	R1, R13	Vishay-Dale	2
25	CRCW060310K0FKEA	RES, 10.0k ohm, 1%, 0.1W, 0603	R2, R6	Vishay-Dale	2
26	CRCW08051R00FNEA	RES, 1.00 ohm, 1%, 0.125W, 0805	R3	Vishay-Dale	1
27	CRCW0603133KFKEA	RES, 133k ohm, 1%, 0.1W, 0603	R4	Vishay-Dale	1
28	CRCW06032K49FKEA	RES, 2.49k ohm, 1%, 0.1W, 0603	R5	Vishay-Dale	1
29	CRCW060373K2FKEA	RES, 73.2k ohm, 1%, 0.1W, 0603	R7, R23	Vishay-Dale	2
30	CRCW12061R00FNEA	RES, 1.00 ohm, 1%, 0.25W, 1206	R8, R16	Vishay-Dale	2
31	CRCW06033K32FKEA	RES, 3.32k ohm, 1%, 0.1W, 0603	R9	Vishay-Dale	1
32	WSL20103L000FEA	RES, 0.003 ohm, 1%, 0.5W, 2010	R10, R19	Vishay-Dale	2
33	CRCW060324K9FKEA	RES, 24.9k ohm, 1%, 0.1W, 0603	R11	Vishay-Dale	1

34	CRCW060369K8FKEA	RES, 69.8k ohm, 1%, 0.1W, 0603	R18	Vishay-Dale	1
35	CRCW06034K99FKEA	RES, 4.99k ohm, 1%, 0.1W, 0603	R22	Vishay-Dale	1
36	CRCW060349R9FKEA	RES, 49.9 ohm, 1%, 0.1W, 0603	R24	Vishay-Dale	1
37	CRCW0603100RFKEA	RES, 100 ohm, 1%, 0.1W, 0603	R25, R26, R27, R28	Vishay-Dale	4
38	LM5119	IC CTRL SYNC BUCK DUAL 32-LLP	U1	National Semiconductor	1

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