

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	PCB	Printed Circuit Board	Any	XX7882	1
2	C1, C2	CAP, CERM, 10uF, 16V, +/-10%, X5R, 1206	TDK	C3216X5R1C106KT	2
3	C4	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	TDK	C1608X7R1C105K	1
4	C5	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H104K	1
5	C6, C7, C8	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	MuRata	GRM31CR60J107ME39L	3
6	C10	CAP, CERM, 4.7uF, 6.3V, +/-20%, X5R, 0603	TDK	C1608X5R0J475M	1
7	C11, C14	Ceramic, X7R, 50V, 10%	Kemet	C0603C104K5RACTU	2
8	C12	Ceramic, COG/NP0, 50V, 5%	TDK	C2012C0G1H272J	1
9	C13, C16	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	Kemet	C0603C222K5RAC	2
10	C15	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	Kemet	C0603C103K5RACTU	1
11	C17	Ceramic, COG/NP0, 50V, 5%	AVX	06035A101JAT2A	1
12	D1, D2, D3	Diode, Schottky, 30V, 0.2A, SOD-123	ON Semiconductor	BAT54T1G	3
13	FID1, FID2, FID3, FID4, FID5,	Fiducial mark. There is nothing to buy or	N/A	N/A	6
14	L1	Inductor, Shielded E Core, Ferrite, 4.7uH, 9.4A, 0.0055 ohm, SMD	Coilcraft	SER1360-472KLB	1
15	P1, P2, P3, P4	Terminal, Turret, TH, Double	Keystone	1502-2	4
16	P6, TP1, TP3, TP5, TP6	Test Point, TH, Miniature, Red	Keystone	5000	5
17	Q1	MOSFET N-CH 25V 52A 8-SON	Texas Instruments	CSD16412Q5A	1
18	Q2	MOSFET N-CH 30V 100A 8SON	Texas Instruments	CSD17306Q5A	1
19	R1	RES, 2.2 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06032R20JNEA	1
20	R2	RES, 1.00 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW12061R00FKEA	1
21	R3	RES, 3.48k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033K48FKEA	1
22	R4	RES, 2.15k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K15FKEA	1
23	R5	RES, 51.1k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060351K1FKEA	1
24	R6	RES, 105k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603105KFKEA	1
25	R7, R10	RES, 6.80k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-076K8L	2
26	R8	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	1
27	R9	RES, 6.81k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06036K81FKEA	1
28	R11, R12	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	2
29	TP2, TP4	Test Point, TH, Miniature, Black	Keystone	5001	2
30	U1	High Performance Synchronous Buck Controller with DCR Current Sensing, 16 pin LLP	National Semiconductor	LM27402SQX/NOPB	1

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