

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	AA1	Printed Circuit Board	TBD by TI	551XX7858-001 REV A	1
2	C1, C5, C7	CAP, CERM, 0.01uF, 500V, +/-10%, X7R, 1206	Vishay-Vitramon	VJ1206Y103KXEAT5Z	3
3	C2, C3, C4	CAP, CERM, 3.3uF, 50V, +/-10%, X7R, 1210	MuRata	GRM32DR71H335KA88L	3
4	C6, C8	CAP, CERM, 1uF, 50V, +80/-20%, Y5V, 0805	TDK	C2012Y5V1H105Z	2
5	C9	CAP, CERM, 4.7uF, 16V, +80/-20%, Y5V, 0805	TDK	C2012Y5V1C475Z	1
6	C10	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 1206	AVX	12065C104JAT2A	1
7	C11	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	MuRata	GRM188R71H104KA93D	1
8	C12	CAP, CERM, 820pF, 50V, +/-5%, COG/NP0, 0603	Kemet	C0603C821J5GACTU	1
9	C13	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	TDK	C1608C0G2A101J	1
10	C14, C15	CAP, CERM, 10uF, 10V, +/-10%, X5R, 0805	Kemet	C0805C106K8PACTU	2
11	C16	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H223K	1
12	C18	CAP, CERM, 0.47uF, 16V, +/-10%, X7R, 0603	Kemet	C0603C474K4RACTU	1
13	C19	CAP, CERM, 0.01uF, 100V, +/-20%, X7R, 0603	AVX	06031C103MAT2A	1
14	D1	Diode, Schottky, 90V, 1A, SMA	Diodes Inc.	B190-13-F	1
15	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
16	L1	Inductor, Shielded, Composite, 5.6uH, 1.7a, 0.36 ohm, SMD	Coilcraft	1008PS-562KLB	1
17	L2	INDUCTOR POWER 10UH 4A SMD	Vishay-Dale	IHLP2525CZER100M11	1
18	Q1	Dual MOSFET	Vishay	SQ9945BEY-T1-GE3	1
19	R2, R3	RES, 0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12060000Z0EA	2
20	R4	RES, 3.32 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033R32FKEA	1
21	R5	RES, 24.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060324K9FKEA	1
22	R6	RES, 37.4k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060337K4FKEA	1
23	R8	RES, 6.65k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06036K65FKEA	1

24	R9, R15, R16, R18	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	4
25	R11	RES, 27.4k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060327K4FKEA	1
26	R12	RES, 3.24k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06033K24FKEA	1
27	R13	RES, 619 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603619RFKEA	1
28	R14	RES, 12.1k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060312K1FKEA	1
29	R17	RES, 0.047 ohm, 1%, 0.33W, 1210	Panasonic	ERJ-L14KF47MU	1
30	TP1, TP2, TP3, TP4	Terminal, Turret, TH, Double	Keystone	1502-2	4
31	TP5	Test Point, TH, Miniature, White	Keystone	5002	1
32	U1	Wide Voltage Range Buck-Boost Controller, 20-pin TSSOP-EP, Pb-Free	Texas Instruments	LM34937PMH/NOPB	1
33	C17	CAP, CERM, 2200pF, 100V, +/-10%, X7R, 0603	AVX	06031C222KAT2A	0
34	C20	CAP, CERM, 100pF, 100V, +/-5%, COG/NP0, 0603	TDK	C1608C0G2A101J	0
35	D2, D3	Diode, Schottky, 30V, 0.2A, SOD-323	Diodes Inc.	BAT54WS-7-F	0
36	R1, R10	RES, 1.0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12061R00JNEA	0
37	R7	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	0

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