

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	AA1	Printed Circuit Board	TBD by TI	551XX7866-001 REV A	1
2	C1	CAP, AL, 47uF, 25V, +/-20%, 0.4 ohm, SMD	Panasonic	EEE-FC1E470P	1
3	C2	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	1
4	C3	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	MuRata	GRM32ER61E226KE15L	1
5	C4	CAP, CERM, 0.1uF, 50V, +/-20%, X7R, 0805	AVX	08055C104MAT2A	1
6	C5	CAP, CERM, 1uF, 50V, +/-10%, X7R, 1206	TDK	C3216X7R1H105K	1
7	C7, C9	CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603	AVX	06033C101KAT2A	2
8	C10	CAP, CERM, 0.68uF, 10V, +/-10%, X7R, 0603	MuRata	GRM188R71A684KA61D	1
9	C11	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	TDK	C1608X7R1H104K	1
10	C12	CAP, CERM, 4700pF, 100V, +/-10%, X8R, 0603	TDK	C1608X8R2A472K	1
11	Comp1, Lin, Lout, PWM1, PWM2, SD1	Test Point, TH, Miniature, White	Keystone	5002	6
12	D1	Diode, Schottky, 60V, 2A, SMB	ON Semiconductor	MBRS260T3G	1
13	D3	Diode, Schottky, 30V, 0.2A, SOD-323	Diodes Inc.	BAT54WS-7-F	1
14	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
15	Gnd2, Gnd3	Test Point, TH, Miniature, Black	Keystone	5001	2
16	L1	Inductor, Shielded Drum Core, Ferrite, 330nH, 3.7A, 0.023 ohm, SMD	Coilcraft	LPS4012-331MLB	1
17	L2	Coupled inductor, 47uH, 3.25A, 0.174 ohm, +/-20%, SMD	Coilcraft	MSD1260-473MLB	1
18	Q1	MOSFET N-CH 60V 7A 6TSOP	Vishay-Siliconix	SQ3426EEV-T1-GE3	1
19	Q2, Q3	MOSFET, N-CH, 60V, 0.24A, SOT-23	Vishay-Siliconix	2N7002E-T1-E3	2
20	R1	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
21	R2	RES, 127k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603127KFKEA	1
22	R3	RES, 4.75 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06034R75FKEA	1
23	R4, R5	RES, 1.00k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K00FKEA	2
24	R6	RES, 0.033 ohm, 1%, 0.33W, 1210	Panasonic	ERJ-L14KF33MU	1
25	R7	RES, 0.18 ohm, 1%, 0.5W, 1210	Rohm	MCR25JZHFLR180	1
26	R8, R9	RES, 20.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0720KL	2
27	R10	RES, 90.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060390K9FKEA	1
28	R11	RES, 40.2k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060340K2FKEA	1

29	R12	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA	1
30	R13	RES, 2.00k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-072KL	1
31	R15	RES, 51.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0751KL	1
32	R16	RES, 51 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060351R0JNEA	1
33	R17, R18	RES, 10.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040210K0FKED	2
34	TP1, TP2, TP3, TP4	Terminal, Turret, TH, Double	Keystone	1502-2	4
35	U1	IC REG CTRLR BST FLYBK PWM 8MSOP	National Semiconductor	LM3478MMX/NOPB	1
36	U2	Low Power Single Op Amp	National Semiconductor	LM321MF	1
37	U3	Low-Voltage (1.24V) Adjustable Precision Shunt Regulator, 3-pin SOT-23	National Semiconductor	LMV431AIMF	1
38	C6	CAP, CERM, 470pF, 100V, +/-10%, X7R, 0603	AVX	06031C471KAT2A	0
39	C8	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	MuRata	GRM32ER61E226KE15L	0
40	C13	CAP, CERM, 220pF, 100V, +/-5%, COG/NPO, 0603	MuRata	GRM1885C2A221JA01D	0
41	D2	Diode, Schottky, 30V, 0.2A, SOD-323	Diodes Inc.	BAT54WS-7-F	0
42	R14	RES, 100 ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206100RFKEA	0

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