

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	C1, C2	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	MuRata	GRM32ER71H106KA12L	2
2	C3	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	Kemet	C0805C104K1RACTU	1
3	C4, C30, C35, C36	CAP, CERM, 4.7uF, 50V, +/-10%, X5R, 0805	TDK	C2012X5R1H475K125AB	4
4	C5, C7	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	MuRata	GRM32ER72A225KA35L	2
5	C6	CAP, CERM, 1uF, 50V, +/-10%, X5R, 0603	MuRata	GRM188R61H105KAALD	1
6	C8	CAP, CERM, 10uF, 35V, +/-20%, X7R, 1210	Taiyo Yuden	GMK325AB7106MM-T	1
7	C9	CAP, CERM, 10uF, 16V, +/-20%, X5R, 0805	AVX	0805YD106MAT2A	1
8	C10, C14	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	Kemet	C0603C104K5RACTU	2
9	C11	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	MuRata	GRM188R72A104KA35D	1
10	C12, C27, C33	CAP, CERM, 0.01uF, 100V, +/-5%, X7R, 0603	AVX	06031C103JAT2A	3
11	C13	CAP, CERM, 0.47uF, 100V, +/-10%, X7R, 1206	MuRata	GRM31MR72A474KA35L	1
12	C15	CAP, CERM, 3300pF, 100V, +/-5%, X7R, 0603	AVX	06031C332JAT2A	1
13	C16	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	AVX	08055C105KAT2A	1
14	C17	CAP, CERM, 1000pF, 2KV 10% X7R 1206	Johanson Dielectrics Inc	202R18W102KV4E	1
15	C18	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H475KA12L	1
16	C19, C20, C21	CAP, CERM, 2.2uF, 25V, +/-10%, X7R, 0805	MuRata	GRM21BR71E225KA73L	3
17	C22, C23, C26	CAP, CERM, 10uF, 25V, +/-10%, X7R, 1206	MuRata	GRM31CR71E106KA12L	3
18	C24, C25, C29, C31, C32, C37	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	AVX	06035C104KAT2A	6
19	C28, C34	CAP, CERM, 22uF, 16V, +/-20%, X5R, 0805	MuRata	GRM21BR61C226ME44	2
20	C38	CAP, CERM, 1000pF, 100V, +/-5%, X7R, 0603	AVX	06031C102JAT2A	1
21	C39	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	TDK	C1608X7R1E105K080AB	1
22	D1	DIODE ZENER 3.9V 1W PMDS	Rohm Semiconductor	PTZTE253.9B	1
23	D2	Diode, Schottky, 45V, 0.1A, SOD-523	Diodes Inc.	SDM10U45-7-F	1
24	D3, D10, D11, D12	LED SmartLED Green 570NM	OSRAM	LG L29K-G2J1-24-Z	4
25	D4, D5	Diode, Schottky, 200V, 1A, PowerDI123	Diodes Inc.	DFLS1200-7	2
26	D6	Diode, Schottky, 60V, 1A, SOD-123F	NXP Semiconductor	PMEG6010CEH,115	1
27	D7, D8	Diode, Zener, 18V, 1W, SOD-123	Panasonic	DZ2W18000L	2
28	D9	DIODE ZENER 5.9V 1W PMDS	Rohm Semiconductor	PTZTE255.6B	1
29	F1	PTC RESTTBLE 0.2A 60V CHIP 1210	Bel Fuse Inc	0ZCB0020FF2E	1
30	J1, J3, J4, J5	Terminal Block, 2x1, 2.54mm, TH	TE Connectivity	282834-2	4
31	J2	Terminal Block, 6A, 3.5mm Pitch, 4-Pos, TH	On-Shore Technology	ED555/4DS	1
32	L1	Inductor, Chip, ±10%	EPCOS INC.	B82422H1332K	1
33	L2, L3, L4, L5, L6, L7, L8	FERRITE CHIP 1000 OHM 300MA 0603	TDK Corporation	MMZ1608B102C	7
34	R1	RES, 27.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0727KL	1

35	R2, R7	RES, 1.2k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04021K20JNED	2
36	R3	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
37	R4	RES, 187k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603187KFKEA	1
38	R5	RES, 56.2k ohm, 0.1%, 0.1W, 0603	Yageo America	RT0603BRD0756K2L	1
39	R6, R8	RES, 4.7k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06034K70JNEA	2
40	R9	RES, 9.42k ohm, 1%, 0.063W, 0402	Vishay-Dale	TNPW04029K42BEED	1
41	R10	RES, 110k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402110KFKED	1
42	R11	RES, 60.4k ohm, 0.1%, 0.1W, 0603	Yageo America	RT0603BRD0760K4L	1
43	R12	RES, 4.87k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-074K87L	1
44	RV1	VARISTOR 36.9V 30A 0805	AVX	VC080530A650DP	1
45	T1	Transformer, 50uH, SMT	Würth Elektronik eiSos	750342178	1
46	U1	IC REG LDO 3.3V 0.15A SOT23-5	Texas Instruments	TPS70933DBVT	1
47	U2	100V, 600mA Constant On-Time Synchronous Buck Regulator, DDA0008B	Texas Instruments	LM5017MRE/NOPB	1
48	U3	36-V, 1-A, 4.17- μ V _{RMS} , RF LDO Voltage Regulator, RGW0020A	Texas Instruments	TPS7A4700RGW	1
49	U4	IC, 60-V, 6-A IQ, 100-mA, LDO Voltage Regulator with Enable and Power-Good Functions	TI	TPS7A1650DGNR	1
50	U5	-36V, -200mA, Ultralow-Noise, Negative Linear Regulator	Texas Instruments	TPS7A3001DGNR	1

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