

Item	Qty	Reference	Part Number	Value	Description	MFR
1	1	D12	1N5406	1N5406	DIODE, General Purpose, 600V, 3.0A	Fairchild
2	1	C25	GCM21BR71E104KA56L	0.1uF	CAP CER 0.1UF 25V X7R 0805	muRata
3	1	C49	GRM21BR71E474KA01L	0.47uF	CAP CER 0.47UF 25V 10% X7R 0805	muRata
4	9	C29 C35 C44 C49 C52 C55 C79-80	GRM21BR71E104KA01L	0.1uF	CAP CER .1UF 25V 10% X7R 0805	muRata
5	0	C50 C64	NA	NA	NA	
6	1	C38	GRM219R71C224KA01D	0.22uF	CAP CER .22UF 16V 10% X7R 0805	muRata
7	2	C15 C67	GRM2165C1H102JA01D	1000pF	CAP CER 1000PF 50V 5% C0G 0805	muRata
8	4	C34 C36 C46 C68	GRM2165C1H101JA01D	100pF	CAP CER 100PF 50V 5% C0G 0805	muRata
9	1	C41	GRM2165C1H102JA01D	1nF	CAP CER 1000PF 50V 5% C0G 0805	muRata
10	10	C13 C24 C26 C32-33 C37 C45 C56 C63 C78	GCM21BR71E105KA56L	1uF	CAP CER 1UF 25V X7R 0805	muRata
11	2	C10 C27	GRM21BR71H104KA01L	100nF	CAP CER .1UF 50V 10% X7R 0805	muRata
12	1	C42	GRM2165C1H222JA01D	2.2nF	CAP CER 2200PF 50V 5% C0G 0805	muRata
13	1	C16	GRM21BR71C225KA12L	2.2uF	CAP CER 2.2UF 16V X7R 0805	muRata
14	1	C14	GRM2165C1H221JA01D	220pF	CAP CER 220PF 50V 5% C0G 0805	muRata
15	2	C18 C39	GRM2165C1H331JA01D	330pF	CAP CER 330PF 50V C0G 0805	muRata
16	2	C9 C40	GRM2165C1H471JA01D	470pF	CAP CER 470PF 50V 5% C0G 0805	muRata
17	1	C17	GRM21BR71H473KA01L	47nF	CAP CER 47000PF 50V 10% X7R 0805	muRata
18	1	C11	GRM2195C2A470JZ01D	47pF	CAP CER 47PF 100V 5% C0G 0805	muRata
19	2	C28 C47	GCM32ER71E106KA57L	10uF	CAP CER 10UF 25V X7R 1210	MuRata
20	1	C65	GRM32ER7YA106KA12L	10uF/35V	CAP CER 10UF 35V X7R 10% 1210	MuRata
21	2	C21 C77	GRM32ER71E226KE15L	22uF/25V	CAP CER 22UF 25V X7R 1210	MuRata
22	1	C22	DE1E3KX222MN4AL01	2.2nF	CAP 250VAC, Y1, -25jãC ~ 85jãC,jÀ20%	MuRata
23	1	C23	EEU-EE2W100U	10uF	CAP ALUM 10UF 450V 20% RADIAL	Panasonic
24	4	C4-7	DE2E3KY222MA2BM01	2.2nF	CAP 2200PF 250VAC E X1Y2 RAD	MuRata
25	1	C53	EET-HC2W121JA	120uF/450V	CAP ALUM 120UF 450V 20% SNAP	Panasonic
26	2	C30-31	B32671L0822J000	8.2nF	CAP FILM .0082UF 1KV METALPOLYPR	EPCOS
27	1	C12	ECQE6104KF	0.1 uF	.1UF/630VDC METAL POLY CAP	Panasonic
28	1	C8	ECQ-E6824KF	0.82uF	.82UF/630VDC METAL POLY CAP	Panasonic
29	3	C1-3	ECQ-U2A104MG	0.1uF	CAP .1UF 275VAC INTER SUPP X2	Panasonic
30	1	C66	EEU-FC1E102	1000uF/25V	CAP 1000UF 25V ELECT FC RADIAL	Panasonic
31	2	C19-20	EEU-ED2E820S	82uF/250V	CAP ALUM 82UF 250V 20% RADIAL	Panasonic
32	1	T2	CN6808-A	1:01:01	Gate driver	CoilCraft

Item	Qty	Reference	Part Number	Value	Description	MFR
33	1	J7	TSW-111-08-T-S-RA	TSW-111-08-T-S-RA	CONN HEADER 11POS .100" SNGL R/A	Samtec Inc
34	1	J1	B6B-EH-A	B6B-EH-A	Header, Top Entry 6-pin, 98 mil spacing,	EH
35	1	T1	750341163	50:01:00	Current Transformer, 50:1	Wurth
36	2	D5 D29	S1M-E3/61T	S1M-E3/61T	DIODE GPP 1A 1000V SMA	Vishay
37	1	D48	B320A	B360B	Diode, Schottky Barrier Rectifier, 3-A, 20-V	Diodes
38	7	D3 D16-17 D40 D49-50 D53	BAS16	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	NXP
39	4	D34-37	BAT54	BAT54	Diode, Schottky, 200-mA, 30-V	NXP
40	1	D1	KBU6J	KBU6J	Diode, IC BRIDGE RECT 6A 600V KBU	Vishay
41	0	D18 D19 D2	NA	NA	NA	
42	2	D44-45	MURA160T3G	MURA160T3G	Rectifier, SMD Ultrafast Power, 600V 1A	On Semi
43	1	D47	SMA6J130A-TR	SMA6J130A	TRANSIL 600W 130V UNIDIRECT SMA	ST
44	3	D46 D51-52	MMSZ18T1G	18V	DIODE ZENER 18V 500MW SOD-123	Onsemi
45	1	D20	MMSZ5V1T1G	5.1V	DIODE ZENER 5.1V 500MW SOD-123	Onsemi
46	1	D10	MMSZ5V6T1G	5.6V	DIODE ZENER 5.6V 500MW SOD-123	Onsemi
47	4	D6-9	ES3F-E3/57T	ES3F	DIODE ULTRA FAST 3A 300V SMC	Vishay-Liteon
48	1	D4	STTH5L06D	STTH5L06D	DIODE UFAST 600V 5A TO-220AC	ST
49	1	F1	37313150410	3.15A/250V	FUSE FAST-ACT 3.15A 250V UL TR5	Littelfuse / Wickmann
50	1	L1	7447021	100uH	CHOKE TOROID 100UH 2.0A VERT	Wurth
51	1	L6	744823210	10mH	CHOKE TOROID 10MH 2A VERTICAL	Wurth
52	1	L5	744821201	1mH	CHOKE TOROID 1.0MH 2A VERTICAL	Wurth
53	1	T3	ZZ0613.232	500uH	LLC Transformer PQ2625 500uH	ZHIZHUO
54	1	U1	LM2904AVQPWRQ1	LM2904	IC, Dual Op Amp, 2-36 Vin	TI
55	1	L4	ZZ0612.232	150uH	Resonance Choke PQ2016 150uH	ZHIZHUO
56	3	E1 E3-4	ERZ-V14D471	ERZ-V14D471	MOV, SUR ABSORBER 14MM 470V 4500A ZNR	Panasonic
57	1	U9	FOD817A3S	FOD817A3S	OPTOCOUPLER PHOTOTRANS OUT 4-SMD	Fairchild
58	1	L3	ZZ0614.232	300uH	PFC choke 300uH PQ2625	ZHIZHUO
59	1	R3	STD	30	RES 30.0 OHM 1/8W 1% 0805 SMD	Yageo
60	2	R5 R37	STD	10	RES 10 OHM 1/8W 1% 0805 SMD	Yageo
61	3	R9 R45 R91	STD	10	RES 10.0 OHM 1/8W 1% 0805 SMD	Yageo
62	1	R69	STD	1K	RES 1.0K OHM 1/8W 1% 0805 SMD	Yageo
63	1	R64	STD	100K	RES 100.0K OHM 1/8W 1% 0805 SMD	Yageo
64	3	R81 R83 R92	STD	100K	RES 100K OHM 1/8W 1% 0805 SMD	Yageo
65	6	R8 R23 R34-35 R63 R87	STD	10K	RES 10.0K OHM 1/8W 1% 0805 SMD	Yageo
66	1	R41	STD	30K	RES 10.0K OHM 1/8W 1% 0805 SMD	Yageo
67	1	R51	STD	4.7M	RES 4.7M OHM 1/8W 1% 0805 SMD	Yageo

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68	1	R46	STD	5.1K	RES 5.1K OHM 1/8W 1% 0805 SMD	Yageo
69	1	R12	STD	10K	RES 10K OHM 1/8W 1% 0805 SMD	Yageo
70	2	R24 R33	STD	10K	RES 10K OHM 1/8W 1% 0805 SMD	Yageo
71	2	R47 R57	STD	10K	RES 10K OHM 1/8W 1% 0805 SMD	Yageo
72	1	R28	STD	10K	RES 10.0K OHM 1/8W 1% 0805 SMD	Yageo
73	1	R32	STD	5.6K	RES 5.6K OHM 1/8W 1% 0805 SMD	Yageo
74	1	R85	STD	12K	RES 12K OHM 1/8W 1% 0805 SMD	Yageo
75	1	R38	STD	15K	RES 15.0K OHM 1/8W 1% 0805 SMD	Yageo
76	1	R78	STD	178K	RES 178K OHM 1/8W 1% 0805 SMD	Yageo
77	1	R84	STD	1K	RES 1.00K OHM 1/8W 1% 0805 SMD	Yageo
78	6	R11 R25 R66-68 R76	STD	2.2	RES 2.20 OHM 1/8W 1% 0805 SMD	Yageo
79	2	R22 R26	STD	2.2	RES 2.2 OHM 1/8W 1% 0805 SMD	Yageo
80	3	R77 R89-90	STD	2.2M	RES 2.20M OHM 1/8W 1% 0805 SMD	Yageo
81	1	R36	STD	34.8K	RES 34.8K OHM 1/8W 1% 0805 SMD	Yageo
82	2	R50 R82	STD	20K	RES 20.0K OHM 1/8W 1% 0805 SMD	Yageo
83	3	R4 R39-40	STD	24K	RES 24.0K OHM 1/8W 1% 0805 SMD	Yageo
84	1	R7	STD	24K	RES 24K OHM 1/8W 1% 0805 SMD	Yageo
85	1	R44	STD	20K	RES 20K OHM 1/8W 1% 0805 SMD	Yageo
86	1	R86	STD	39K	RES 39.0K OHM 1/8W 1% 0805 SMD	Yageo
87	1	R75	STD	4.7K	RES 4.70K OHM 1/8W 1% 0805 SMD	Yageo
88	2	R15 R18	STD	430K	RES 430K OHM 1/8W 1% 0805 SMD	Yageo
89	2	R20-21	STD	390K	RES 390K OHM 1/8W 1% 0805 SMD	Yageo
90	1	R70	STD	75K	RES 75K OHM 1/8W 1% 0805 SMD	Yageo
91	1	R6	STD	470	RES 470 OHM 1/8W 1% 0805 SMD	Yageo
92	2	R31 R29	STD	10K	RES 10K OHM 1/8W 1% 0805 SMD	Yageo
93	1	R65	STD	47K	RES 47.0K OHM 1/8W 1% 0805 SMD	Yageo
94	3	R49 R79-80	STD	51K	RES 51.0K OHM 1/8W 1% 0805 SMD	Yageo
95	4	R10 R13-14 R19	STD	560K	RES 560K OHM 1/8W 1% 0805 SMD	Yageo
96	1	R16	STD	560K	RES 560K OHM 1/4W 1% 1206 SMD	Yageo
97	1	R48	STD	6.8K	RES 6.80K OHM 1/8W 1% 0805 SMD	Yageo
98	2	R53 R55	STD	43	RES 43 OHM 1/8W 1% 0805 SMD	Yageo
99	0	R43 R30 R42 R74	NA	NA	NA	
100	1	R27	STD	910K	RES 910K OHM 1/4W 1% 1206 SMD	Yageo
101	1	R2	RWM0410R220JR15E1	0.22	RES WIREWOUND .22 OHM 3W	Vishay
102	1	R17	RWM04101R00JR15E1	1	RES WIREWOUND 1.0 OHM 3W	Vishay

Item	Qty	Reference	Part Number	Value	Description	MFR
103	1	R1	B57236S0309L002	3R	CURRENT LIMITER INRSH 3 OHM 5.4A	EPCOS
104	1	X1	A81-A600X	A81-A600X	SURGE ARRESTER 600V GASTUBE 2PIN	EPCOS
105	1	T5	PG1104NL-MX1	1.2mH	Flyback transformer, 1.2mH	Pulse
106	1	U10	TL431AIDBZR	TL431AIDBZR	IC, Precision Adjustable Shunt Regulator	TI
107	1	Q10	MMBT3904LT1	MMBT3904LT1	TRANSISTOR HI-VOLT NPN SOT-23	NXP
108	1	Q12	MMBT3904LT1	MMBT3904LT1	TRANS GP SS NPN 40V SOT23	On Semi
109	2	Q5 Q11	MMBT3906LT1	MMBT3906LT1	TRANSISTOR SWITCHING PNP SOT-23	NXP
110	0	Q2 Q3	NA	NA	NA	
111	1	Q6	STP12NK30Z	STP12NK30Z	MOSFET N-CH 300V 9A TO-220	ST
112	3	Q1 Q7-8	AOT20S60L	AOT20S60L	MOSFET N-CH 600V 20A TO220	Alpha & Omega
113	0	Q1 Q7-8	IPP60R190C6	IPP60R190C6	MOSFET N-CH 600V 20.2A TO220	Infineon
114	1	Q9	SPP04N80C3	SPP04N80C3	MOSFET N-CH 800V 4A TO-220AB	Infineon
115	1	U4	UCC25710DW	UCC25710DW	IC, LLC Half Bridge LED Multi-String Controller	TI
116	1	U5	UCC27324D	UCC27324D	IC, Dual 4A Peak High Speed Low-Side MOSFET Driver	TI
117	1	U8	UCC28610D	UCC28610D	IC, Quasi-Resonant Flyback Green-Mode Controller	TI
118	1	U2	UCC28810D	UCC28810D	IC, LED LIGHTING POWER CONTROLLER	TI

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