

Qty	Reference	Value	Description	Size	Part Number	MFR	Area
4	C8 C14 C17-18	0.1uF	Capacitor, Ceramic, Low Inductance, 25V, X7R, 10%	603	GRM39yyyxxxKvvvA	muRata	5650
1	C20	0.1uF	Capacitor, Ceramic, Low Inductance, 50V, X7R, 10%	603	GRM39yyyxxxKvvvA	muRata	5650
1	C101	100pF	Capacitor, Ceramic, Low Inductance, 50V, X7R, 10%	603	GRM39yyyxxxKvvvA	muRata	5650
9	C9-13 C16 C19 C21 C100	10nF	Capacitor, Ceramic, Low Inductance, 50V, X7R, 10%	603	GRM39yyyxxxKvvvA	muRata	5650
1	C7	0.01uF	Capacitor, Ceramic, vvV, [temp], [tol]	1210	Std	Vishay	28000
1	C1	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic	155000
2	C22-23	4700pF	Class X1, Y2, 250VAC	0.276 x 0.276 inch	DE2E3KY472MpppM02	Murata	167,400
1	C6	0.1 uF	Capacitor, Polyester, 630V, 10%	0.728 x 0.248 V	ECQE6104KF	Panasonic	254,100
2	C4-5	22nF	Capacitor, Film, 275VAC, x±%	0.728 x 0.248 inch	ECQE6105KF	Panasonic	254,100
1	C15	100uF	Capacitor, Electrolytic, 25V, 20%	0.200 inch Dia.	EEU-FC1E101S		44100
2	C2-3	330 uF	Capacitor, 200V, Temp.-40 to +105°C, ±20	18 x 40 mm	EKXJ201ESS331ML40S	Nippon Chemi-con	1335700
1	D7	BAT54A	Diode, Dual Schottky, 300-mA, 30-V	SOT23	BAT54A	ST	14105
1	BR1	DF06S	Bridge Rectifier, 600V, 1A, Glass Passivated, SMD	DF-S	DF06S	Diodes, Inc	176412
1	D5	18V	Diode, Zener, 18-V, 350-mW	SOT-23	BZX84C18LT1G	Diodes	14105
1	D3	LM4040	DIODE, Shunt Voltage Reference, 5V	SOT-23	LM4040C50	TI	40000
2	D4 D6	MMBD1404	Diode, Switching, Dual, 70 V, 200 mA	SOT23	MMBD6100LT1G	On Semi	30600
2	D1-2	STTH208U	Diode, Rectifier, 2-A, 800-V	SMB	STTH208U	ON Semi	95000
1	F1	2.5A	Fuse, Axial, Fast Acting, 2.5A, 250V,	0.160 x 0.400 inch	0263 xxx y z T1L	Littelfuse	88375
1	L2	20 mH	Inductor, Coupled ±30%	7.5x15 mm	744821120	WE	900000
1	L1	470uH	Inductor, SMT	0.51x 0.37 inch	DO3340P-474ML	Coilcraft	212800
1	U1	LMV358ID	IC, Dual Operational Amplifiers	SO8	LMV358ID	TI	52578
1	U3	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay	47740
1	R2	100K	Resistor, Metal-Mite, 2W, ±5%	2W	PR02000201003JR500	Vishay	{Area}
3	R18 R20 R28	100k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R25	10k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R27	113k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R19	11k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R24	17.8k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R10	180k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R14	1M	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R22	2.21k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
2	R12 R100	200k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R17	27.4k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
2	R8 R21	2k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
2	R15 R26	3.01k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R11	4.99	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R23	475k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R16	53.6k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R9	820k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9100
1	R13	86.6k	Resistor, Chip, 1/16W, 1%	603	CRCW0603-xxxx-F	Vishay	9,100
3	R4-6	1M	Resistor, Chip, 1/10W, 1%	805	CRCW0805-xxxx-F	Vishay	15,300
1	R7	3.01	Resistor, Chip, 1/10W, 1%	805	CRCW0805-xxxx-F	Vishay	15,300
2	R31-32	470k	Resistor, Metal Film, 1/4 watt, ± 5%	1206	CRCW1206-xxx-J	Vishay	20000
1	R1	1	Resistor, Chip, 1/2W, 1%	1210	STD	STD	28,000
1	R3	68K	Resistor, Metal Oxide, 68KOhms, 1W, 5%	2512	STD	Vishay/Dale	56,000
1	R29	B59601A0105B062	Thermistor, NTC, xxOhms, yyA	603	NCP18WxxxJ03RC	muRata	22000
2	TP2 TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10

2	TP3 TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
3	TP1 TP4 TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	U2	TPS92210D	IC, PFC LED Lighting Driver Controller	SO-8	TPS92210D	TI	75900
1	Q3	MMBT3904LT1	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904LT1	On Semi	14105
1	Q2	MMBT3906LT1	Bipolar, PNP, xx-V, yy-mA, zz-W	SOT23	MMBT3906LT1	On Semi	14105
1	Q1	STP10NK80ZFP	MOSFET, Nch, 800V, 10A, 0.9 Ohms	TO-220	STP10NK80ZFP	STM	110700
1	VR1	S14K275	Varistor, 430V, 275Vac	0.472 x 0.213 inch	SIOV-S14K275	Epcos	115,2

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