

Reference	Description	Value	Voltage Rating	Part Name	Manufacturer	Qty
C1	DLP	DLP	DLP	DLP	DLP	0
C2	Capacitor, Film, 0.047uF, ±20%, 310Vac, Class X2	0.047uF	310Vac	BFC233920473	Vishay	1
C3-4	Capacitor, Film, TH, 0.1uF, ±10%, 630V, L18.5mm, H14mm, T6.3mm	0.1uF	630V	ECQE6104KF	Panasonic	2
C5	Capacitor, Ceramic Chip 0603, 0.1uF, ±20%, 50V, X7R	0.1uF	50V	GRM188R71H104MA93	Murata	1
C7-8	Capacitor, Alum Electrolytic, 47uF, 160V, -55 to +105 °C, ±20%	47uF	160V	EEU-EE2C470	Panasonic	2
C9	Capacitor, Ceramic Chip 1812, 1uF, ±10% 250V, X7T	1uF	250V	C4532X7T2E105K	TDK	1
C11	Capacitor, Ceramic Chip 1210, 10uF, ±10%, 50V, X7R	10uF	50V	GRM32ER71H106KA12L	Murata	1
C12	Capacitor, Ceramic Chip 0805, 4.7uF, ±10%, 10V, X7R	4.7uF	10V	GRM21BR71A475KE51	Murata	1
D1	Bridge Rectifier SMD, 600V, 0.5A, VF=1V, IFSM=35A, IR=5uA	0.5A	600V	HD06-T	Diodes	1
D2	Diode 300V, 225mA, SOD-123	225mA	300V	BAV3004W-7-F	Diodes	1
D3	Diode 75V, 0.15A, SOD-523F	0.15A	75V	CDSU4148	Comchip	1
D4	Diode UF, 600V, 1A, SMB	1A	600V	MURS160/2T	Vishay	1
D5*	Diode Transient Voltage Suppressors 400V, ±5%, 400W		400V	SMAJ400A	Littelfuse	1
F1	Fuse, Slo-Blo, 250 VAC, 1.5A	1.5A	250V	087501.5MXEP	Littelfuse	1
L1-2	Inductor, 330uH, 10%, 380mA, 1.21ohm,	330uH		22R334C	Murata	2
L3	Inductor, 680uH, 10%, 250mA, 2.64ohm,	680uH		22R684C	Murata	1
L4	DLP	DLP	DLP	DLP	DLP	0
Q1	MOSFET N-Ch, 600V, 5A, 0.84ohm, IPAK (TO-251)	5A	600V	STU7NM60N	ST	1
R3-5	Resistor, Chip 1/4W, 100k, ± 1%	100k		CRCW12061003F	Vishay	3
R6	Resistor, Chip, 1/8W, 10R, ±1%	10R		CRCW080510R0F	Vishay	1
R7	Resistor, Chip 1/4W, 28k, ± 1%	28k		CRCW12062802F	Vishay	1
R8	Resistor, Chip 1/16W, 11k, ± 1%	11k		CRCW06031102F	Vishay	1
R9	Resistor, Chip, 1/10W, 66.5k, ±1%	66.5k		CRCW08056652F	Vishay	1
R10	Resistor, Chip, 1/10W, 12.4k, ± 1%	12.4k		CRCW06031242F	Vishay	1
R12 R19	Resistor, Chip, 1/10W, 0R, ± 1%	0R		CRCW06030R00F	Vishay	2
R14	Resistor, Chip 1/2W, 1R, ± 1%	1R		RNCP1206FTD1R00	Stackpole Electronics	1
R15	Resistor, Chip, 1/8W, 5.62R, ±1%	5.62R		CRCW08055R62F	Vishay	1
R16	Resistor, Chip 1/4W, 1.21M, ± 1%	1.21M		CRCW12061214F	Vishay	1
R17-18	Resistor, Chip, 1/8W, 28k, ±1%	28k		CRCW08052802F	Vishay	2
R21-22	Resistor, Chip 1/4W, 0R, ± 1%	0R		CRCW12060R00F	Vishay	2
T1-2	Transformer, EFD15 SMD	750uH		750341503	WE Midcom	2
U1	Off-Line Primary Side Sensing Controller with PFC			TPS92314	Texas Instruments	1
VDR1	Varistor, 275V RMS, 7mm Radial	275V		S07K275	EPCOS	1

\*Optional part for line surge protection

Total

40

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