



Title		
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# Bill of Materials

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Footprint	Comment	LibRef	Designator	Description	Quantity
KBU807	Bridge1	Bridge1	B1	Full Wave Diode Bridge	1
CAPO.71	0.68uF/400V	Cap Semi	C1	Capacitor (Semiconductor SIM Model)	1
RB.1/126	22uF/25V	Cap Pol1	C3, C27	Polarized Capacitor (Radial)	2
R0805	1nF	Cap Semi	C4, C5, C23, C24, C32, C33, C34, C35, C36, C37, C38, C39, C43	Capacitor (Semiconductor SIM Model)	13
150u/400V	660uF/250V	Cap Pol1	C6, C7	Polarized Capacitor (Radial)	2
Y2	0.1uF/250V	Cap Semi	C8	Capacitor (Semiconductor SIM Model)	1
Y2	33nF/250V	Cap Semi	C9	Capacitor (Semiconductor SIM Model)	1
R0805	4.7nF	Cap Semi	C10, C11, C28, C31	Capacitor (Semiconductor SIM Model)	4
C9	10nF/100V	Cap Semi	C12	Capacitor (Semiconductor SIM Model)	1
CAPO.19	68pF/1kV	Cap Semi	C13, C14	Capacitor (Semiconductor SIM Model)	2
CAPO.3	330pF/1kV	Cap Semi	C15, C16, C17	Capacitor (Semiconductor SIM Model)	3
CAPO.3	270pF/1kV	Cap Semi	C18, C19, C20	Capacitor (Semiconductor SIM Model)	3
CAPO.593	1.2nF/1kV	Cap Semi	C21	Capacitor (Semiconductor SIM Model)	1
CAPO.19	100pF/1kV	Cap Semi	C22	Capacitor (Semiconductor SIM Model)	1
R0805	1uF	Cap Semi	C25, C26	Capacitor (Semiconductor SIM Model)	2
R0805	150nF	Cap Semi	C29, C30	Capacitor (Semiconductor SIM Model)	2
CAPO.3	2.2nF/1kV	Cap Semi	C40, C41, C44, CY1, CY2	Capacitor (Semiconductor SIM Model)	5
R0805	0.68uF	Cap Semi	C42	Capacitor (Semiconductor SIM Model)	1
CT1	CT1	Header 2	CT1	Header, 2-Pin	1
CT1	CT2	Header 2	CT2	Header, 2-Pin	1
X2	0.22uF	Cap Semi	CX1	Capacitor (Semiconductor SIM Model)	1
X2	0.1uF	Cap Semi	CX2	Capacitor (Semiconductor SIM Model)	1
DIODE0.135	1N4148	Diode	D1, D3, D4, D10, D11, D14	Default Diode	6
1					
U860	U860	Diode	D2	Default Diode	1
DIODE0.135	36V	D Schottky	D5	Schottky Diode	1
1					
DIODE0.135	15V	D Schottky	D6, D7, D8, D9, D13	Schottky Diode	5
1					
DIODE0.135	10V	D Schottky	D12	Schottky Diode	1
1					
Fuse base	Fuse 1	Fuse 1	FUSE	Fuse	1
LB7	80uH	Inductor	L1	Inductor	1
LB7	1.333uH	Inductor	L2	Inductor	1
L-MMS	12.83uH	Inductor	L3	Inductor	1
LB9	800uH	Trans Coupl	LF1	Transformer (Coupled Inductor Model)	1
LB9	33mH	Trans Coupl	LF2	Transformer (Coupled Inductor Model)	1
LA-power	0.488uH	Inductor Adj	LT1, LT2	Adjustable Inductor	2
SO-8-14	MC33262D	MC33262D	MC33262	Power Factor Controller	1
NTC	NTC	Res2	NTC	Resistor	1
FQPF	MOSFET-N	MOSFET-N	Q1, Q4, Q5	N-Channel MOSFET	3
TO-92-5	KSP 2907A	2N3906	Q2	PNP General Purpose Amplifier	1
TO-92-5	KSP 2222A	2N3904	Q3	NPN General Purpose Amplifier	1
TO-92-5	S8050	2N3904	Q6	NPN General Purpose Amplifier	1
TO-92-5	S8550	2N3906	Q7	PNP General Purpose Amplifier	1
1206-14	2.2M	Res2	R1, R8	Resistor	2
1206-14	22K	Res2	R2, R5	Resistor	2
AXIAL0.197	100K/1W	Res2	R3	Resistor	1
1206-14	100	Res2	R4	Resistor	1
1206-14	47	Res2	R6	Resistor	1
AXIAL0.197	0.1/1W	Res2	R7	Resistor	1
1206-14	12K	Res2	R9	Resistor	1
1206-14	500K	Res2	R10	Resistor	1
1206-14	330K	Res2	R11, R12, R13, R14	Resistor	4
1206-14	470K	Res2	R15, R16, R17, R18, R26, R27, R28, R29	Resistor	8
1206-14	10K	Res2	R19, R20, R21	Resistor	3
1206-14	330	Res2	R22, R23, R24, R25, R37	Resistor	5
1206-14	18K	Res2	R30	Resistor	1
1206-14	33K	Res2	R31	Resistor	1
1206-14	4.7K	Res2	R32, R33, R34	Resistor	3
1206-14	700K	Res2	R35	Resistor	1
1206-14	4.7	Res2	R36	Resistor	1
RP1	Res Adj2	Res Adj2	RP1	Variable Resistor	1
R1st	RV	Res2	RV1, RV2, RV3	Resistor	3
PFC	PFC	Trans Coupl	T1	Transformer (Coupled Inductor Model)	1
LB6	1:1:1	Trans3	T2	Three-winding Transformer (Non-Ideal)	1

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Approved	Notes