

Count	ComponentName	RefDes	PatternName	Value	Description	Digikey p/n	Price Ea	Amount	EST
3	UF1002	D12,13,14	AFL-W2/X1.8D	UF1002	1.0 Ampere 100V	UF1002DICT-ND	\$ 0.29	\$ 0.86	
8	1N4744A	D2,3,4,5,8,9,10,11	AFL-W2/X1.8D	15V	One Watt Zener	1N4744ADICT-ND	\$ 0.25	\$ 1.98	
3	1.5KE51CA	D1,6,7	TVS DIODE	1.5KE51CA	TVS DIODE	1.5KE51CADICT-ND	\$ 0.74	\$ 2.22	
1	10PINHEADER	CN5	10PINHEADER		10 PIN HEADER	MHS10K-ND	\$ 1.54	\$ 1.54	
2	CAP100	C2,3	CAP100	.1uF100V	Capacitor POLY	P4656-ND	\$ 0.31	\$ 0.62	
2	CAP100	C4,6	CAP100	1.0uf50V	Capacitor	P2073-ND	\$ 0.67	\$ 1.34	
1	CAP100RP	C5	CAP100RP	220uF16V	Radial Polarize	P5139-ND	\$ 0.23	\$ 0.23	
1	CAP1206	C7	RC1206	.47uF50V		PCF1130CT-ND	\$ 0.63	\$ 0.63	
2	CAPRP700	C1,8	CAPRP700	680uF63V	Radial Polarize	P11276-ND	\$ 2.49	\$ 4.98	
1	FAN CONN	J1	FAN 80MM (3.15")			???	\$ 12.00	\$ 12.00	X
1	HIP4081A	U2	DIP20		Mosfet Driver		\$ 5.00	\$ 5.00	X
1	INDUCTOR 850	L1	IND850	2474-31L	330uH 740ma	DN7431-ND	\$ 2.94	\$ 2.94	
16	IRF1405	Q1-16	TO220ABGDS	IRF1405	N Channel Mosfet		\$ 2.48	\$ 39.68	
4	LG WIRE	CN1-4	LG WIRE	10 AWG	WIRE RED&BLK		\$ 1.00	\$ 4.00	X
1	LM2574HVN-12	U1	DIP8		12V Regulator	LM2574HVN-12-ND	\$ 3.88	\$ 3.88	
1	RESSMT1206	R29	RC1206	1k	Resistor SMT	P1.0KECT-ND	\$ 0.03	\$ 0.03	
6	RESSMT1206	R11,21-25	RC1206	10K	Resistor SMT	P10.0KFCT-ND	\$ 0.04	\$ 0.22	
16	RESSMT1206	R2-9,13-20	RC1206	150	Resistor SMT	P150ECT-ND	\$ 0.05	\$ 0.81	
2	RESSMT1206	R1,10	RC1206	33	Resistor SMT	P33ECT-ND	\$ 0.05	\$ 0.10	
1	RESSMT1206	R12	RC1206	90.9K	Resistor SMT	P90.9KFCT-ND	\$ 0.12	\$ 0.12	
1	RESSMT1206	R28	RC1206	14K	Resistor SMT	P14.0KFCT-ND	\$ 0.12	\$ 0.12	
2	RESSMT1206	R26,27	RC1206	249K	Resistor SMT	P249KFCT-ND	\$ 0.12	\$ 0.24	
16	LLSD101ACT	D16-31	RC1206		Fast Schottky Diode	LLSD101ACT	\$ 0.36	\$ 5.76	
1	Led	D15	LED		Light Emitting Diode	67-1105-ND	\$ 0.13	\$ 0.13	
4	8-32*1" standoff				Fan Mounting	2219K-ND	\$ 0.40	\$ 1.60	
6	8-32*.5 standoff				Board Mounting	2217K-ND	\$ 0.26	\$ 1.56	
1	PC BOARD			3.15" X 4.5" Double Sided 4 oz copper,SMOBC,top silk			\$ 8.00	\$ 8.00	

TOTAL**\$ 100.60**

Note make sure the diodes D16-31 are installed with the green stripe (cathode) toward the cathode line on the board silk screen
If they are reversed the fets will become very hot and possibly self-destruct due to shoot thru problems.