

	Designator	Quantity	Value	Name	Description
1	C1, C3, C6, C10, C13, C21, C22, C24, C25, C29, C30, C31	12	220 nF		Ceramic SMD 0805 220 nF
2	C2	1	1 nF		Ceramic SMD 0805 1 nF
3	C4, C7, C11, C14	4	10 uF		Ceramic SMD 0805 10 uF
4	C5, C8, C12, C15	4	20 pF		Ceramic SMD 0805 20 pF
5	C9, C16	2	2.2 nF		Ceramic SMD 0805 2.2 nF
6	C17, C18, C19	3	1000 uF		Aluminum Capacitor 1 mF 250 V Bulk Capacitor
7	C20	1	470 pF		Ceramic SMD 0805 470 pF
8	C23	1	3.3 uF		Ceramic SMD 0805 2.2 uF
9	C26	1	100 uF		Aluminum Capacitor 100 uF 160 V
10	C27, C28	2	1.2 uF		H124K 450MPPN, polyethylene X Capacitor
11	D1,D2	2		SF36 ES3GB	Ultrafast Plastic Diode Rectifier (3A , 400V
12	D3, D4, D7, D8, D9	5		1N4744A	Zener Diode, 15V, 1W
13	D6	1		1N4728A	Zener Diode, 3.3V, 1W
14	DS1, DS2	2			Chip LED, Green, 2.2 V
15	F1, F2	2			FUSE CLIP CARTRIDGE 10A PCB
16	J1, J5	2			Barrier Terminal Block 9.6 mm Pitch
17	J2	1		KF350-8P	8 pin mini screw terminal block 3.5mm pitch
18	J3	1		KF350-3P	3 pin mini screw terminal block 3.5mm pitch
19	L1	1			PFC Choke
20	L2	1			Common Mode Choke Each Coil inductance = 16mH
21	MP1, MP2, MP3, MP4, MP5	5			Heat Sink
22	Q5	1		IXTP32P20T	MOSFET P-CH -200V -32A
23	Q_SR1, Q_SR2, Q_ST1, Q_ST2	4			MOSFET N-CH 200V 65A TO247AC
24	R1, R2, R5, R6	4	10 R		RES SMD 0805 10 Ohm
25	R3, R4, R7, R8	4	100 k		RES SMD 0805 100 kOhm
26	R9	1	2.2 k		RES SMD 0805 100 kOhm
27	R10, R11, R12, R13, R14, R15	6	120 R		RES SMD 0805 120 Ohm
28	R16	1	680 k		RES CARBON THD 680k

	Designator	Quantity	Value	Name	Description
29	R17	1	22k		RES CARBON THD 22k
30	R18	1	7.5k		RES SMD 0805 7.5 kOhm
31	R21	1	47k		RES CARBON THD 47k
32	RT1	1	2R	SL22 2R018	ICL 2 OHM 20% 18A 22MM
33	SW_NODE_FAST, SW_NODE_SLOW, TP_AC_L, TP_AC_N	4			Test Point, Miniature, Red, TH
34	U1	1		ACS-712-30A	SENSOR CURRENT HALL 30A AC/DC
35	U2, U3	2		UCC21222D	DGTL ISO 5.7KV GATE DRVR 16SOIC
36	U4	1		LM2596HVS	Step-Down DC-DC Converter Module
37	U5	1		KBU1010	Bridge Rectifier 10A
38	U6	1			Positive Voltage Regulator, 5V, 3-Pin

NOTE: **C24, R20, DS4, D5, R19, DS3** DON'T SOLDER