



: 2.5KW_APFC_boost				
: A4	:	:		950 3
: 2014.06.17	1	1		
:	:	:		

Comment	Description	Designator	Footprint	LibRef	Quantity
15pF	Capacitor	C1, C2, C10	RAD-0.3	Cap	3
Cap Pol1	Polarized Capacitor (Radial)	C3, C7, C8	CAP-35X65	Cap Pol1	3
Cap Pol1	Polarized Capacitor (Radial)	C4, C5	CAP-Y-9r9X17r9	Cap Pol1	2
150pF	Polarized Capacitor (Radial)	C6, C9	cap-10D	Cap Pol1	2
Cap	Capacitor	C11, C12, C13, C14, C15, C16, C17, C18, C19, C24	C0805	Cap	10
150nF	Capacitor	C20	C0805	Cap	1
0.01uF	Capacitor	C21, C22	C0805	Cap	2
35V 100uF	Polarized Capacitor (Radial)	C23	CAP-6.3	Cap Pol1	1
Diode	Default Diode	D1, D2, D4	TO-D-220AB	Diode	3
GBPC5010		D3	GBPC5010	rectifier bridge	1
Diode	Default Diode	D5	SMC	Diode	1
1N4737A		D6	DO-41	diode_zener	1
SS16	Default Diode	D7, D9	SMA	Diode	2
1N5820		D8	DO-201AD	diode_zener	1
Fuse 2	Fuse	F1	Fulse-20A	Fuse 2	1
300uH		L1	L-5r3X24	L-2	1
b82790		L2	L-22R4X26r4-4N	b82790	1
N-MOS		M1, M2	TO-247 - Pad	N-MOS	2
Header 2	Header, 2-Pin	P1, P2	CON2-3r3X25	Header 2	2
Header 2	Header, 2-Pin	P3	SIP-2	Header 2	1
15K	Resistor	R1	AXIAL-0.4	Res2	1
390K	Resistor	R2	R0805	Res2	1
30K	Resistor	R3, R5	AXIAL-0.4	Res2	2
120K	Resistor	R4	R0805	Res2	1
10K	Resistor	R6, R17	R0805	Res2	2
0.1	Resistor	R7, R8	R2512	Res2	2
1.5K	Resistor	R9, R11	R0805	Res2	2
17.4K	Resistor	R10	R0805	Res2	1
2K	Resistor	R12	R0805	Res2	1
Res2	Resistor	R13, R14, R15, R16, R18, R19, R20, R25, R26, R27	R0805	Res2	10
20	Resistor	R21, R30	R1206	Res2	2
5	Resistor	R22, R23, R31, R32	R0805	Res2	4
22K	Resistor	R24	R0805	Res2	1
0K	Resistor	R28	R0805	Res2	1
0	Resistor	R29	R1206	Res2	1
500	Resistor	R33	R0805	Res2	1
Test_pad		TX1, TX2, TX3, TX4, TX5, TX6, TX7	Pad_1.2mm	Test_pad	7
UC3854		U1	SOIC16	UC3854	1