

PSU\_24V\_BOM

Reference	Value	Footprint	Qty
C1	100n	MKT, 250V, pin spacing 5mm	1
C7	100n	Ceramic or MKT, 50V, pin spacing 5mm	1
C2,C3	2200u	Electrolytic capacitor, 50V, D18.0mm, pin spacing 7.50mm	2
C4	10u	Non-polar electrolytic capacitor, 50V	1
C5	100u	Electrolytic capacitor, 35V, D10.0mm, pin spacing 5.00mm	1
C6	470u	Electrolytic capacitor, 35V, D12.5mm, pin spacing 5.00mm	1
C8	4u7	Electrolytic capacitor, 25V, D4.0mm, pin spacing 2.00mm	1
D1	B80C800DM	Vishay B80C800DM silicon diode bridge	1
D2	12V	Zener diode, 12V	1
J1	AC_IN	Terminal block, 2 pin, 5mm spacing	1
J2	DC_OUT	Terminal block, 2 pin, 5mm spacing	1
Q1	TIP122	TO-220 Darlington	1
Q2	BC546B	Any NPN with Vce > 30V and CBE pinout, e.g. BC337	1
R1,R4	680R	0207 1% metal film	2
R2,R3	120R	0207 1% metal film	2
R5	5k6	0207 1% metal film	1
R6	3k3	0207 1% metal film	1
R7	10k	0207 1% metal film	1
R8	1k2	0207 1% metal film	1
R9	4R7	3W power resistor, axial	1