

## BOM Parts List for E27 7W 110Vac Design

REF DES	Part Number	MFR	Description
BD100	B6S	PANJIT	Dio Bridge 600V 0.5A MDI
D100/D530	US1006FL	PANJIT	Dio Ultra Fast 600V 1A SOD-123
D500	US1008FL	PANJIT	Dio Ultra Fast 800V 1A SOD-123
D503	US1002FL	PANJIT	Dio Ultra Fast 200V 1A SOD-123
D550	BR220	PANJIT	Dio Schottky 200V 2A SMA
ZD501	BZD27C15P	PANJIT	Dio Zener 15V 0.8W SOD-123
ZD538	MMSZ5239B	PANJIT	Dio Zener 9.5V 0.5W SOD-123
D502/D542/D504	1N4148	PANJIT	Dio 100V 0.2W SOD-323
IC500	SN09001026	TI	IC Green-Mode Flyback Controller
IC501	TL103WA	TI	IC
Q500	SPU02N60C3	INFINEON	MosFet 600V 2A TO-251
C001			Cap 0.047uF 275V
C100			Cap 0.047uF 450V
C101			Cap 0.022uF 630V
C501			Cap 1kpF 1kV 1206
<b>C505</b>			<b>Cap 0.022uF 25V X7R 0603</b>
C503/C534			Cap 0.22uF 25V X7R 0603
C511			Cap 1uF 16V X7R 0603
C530			Cap 0.047uF 630V X7R 1210
C502/C507/C506/C553			Cap 10uF 25V 1210
C504			Cap Y1 2200pF
C002			Cap 0.22uF 450V Film
C542/C538			Cap 2.2uF 25V X7R 0805
C554			Cap 1000uF 25V 8*31.5
<b>R514</b>			<b>Res 7.15k 0603</b>
R513			Res 71.5k 0603
R512			Res 43.2k 0603
R511			Res 75k 0603
R539			Res 680k 0603
R510			Res 147k 0603
R504			Res 10 ohm 0805
R505			Res 2.2 ohm 0805
<b>R501/R502</b>			<b>Res 100k 1206</b>
<b>R503</b>			<b>Res 301k 1206</b>
R500/R506			Res 470k 1206
R004/R005/R002/R008			Res 43 ohm 1206
R531/R532/R533			Res 1M ohm 1206
R546/R547/R548			Res 1M ohm 1206
R534			Res 18.7k 0603
R535			Res 82.5k 0603
R530/R540/R544			Res 10k 0603
R542			Res 20k 0604
R549			Res 47.5k 0603
R541			Res 25.5k 0603
<b>R538</b>			<b>Res 34.8k 0603</b>
R537			Res 7.15k 0603
R545			Res 2.49k 0603
R006			Res 620 ohm 1W
<b>R560</b>			<b>Res 301k 0603</b>
VR501			Res 10k ohm
L100		AXIS	22mH
T500		TRANSMORE	250uH
<b>PCB</b>			

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