

## BOM Parts List for T8 18W Design

Part Reference	Part No	Description	MFR
BD100	TB8S	BD 800V 1A	PANJIT
C001	R46KF3100P	CAP 0.1uF 275V	PAC
C002	R46KF3100P	CAP 0.1uF 276V	PAC
C101	MMX 630 104	CAP 0.22uF 450V	PAC
C501		CAP 470pF 1kV 1206	Holy Stone
C503		CAP 0.47uF 25V X7R 0603	Holy Stone
C504		CAP Y2 2200pF P10	PAC
C505		CAP 0.022uF 25V X7R 0603	Holy Stone
C506		CAP 220pF 500V 1206	Holy Stone
C507		CAP 68uF 25V KZM 5x11 p2	NCC
C508		CAP 4.7uF 63V 1206	Holy Stone
C553		CAP 100uF 63V 5x11 p5	NCC
C554		CAP 680uF 63V 10x40 p5	LTEC
C572		CAP 0.47uF 25V X7R 0805	Holy Stone
C573		CAP 0.22uF 25V X7R 0603	Holy Stone
C575		CAP 1000pF 25V X7R 0603	Holy Stone
D500	US1008FL/SOD123	DIO 800V 1A SOD-123	PANJIT
D501	US1GW/SMA	DIO 400V 1A SMA	PANJIT
D502	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323	PANJIT
D503	US1002/SOD123	DIO 200V 1A SOD-123	PANJIT
D504	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323	PANJIT
D505	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323	PANJIT
D507	US1GW/SMA	DIO 400V 1A SMA	PANJIT
F1	FUSE250V1A	FUSE 250V 1A	PAC
FL1	TME100423T	CM Choke	TRANSFORMER
FL2	TME110057L	CM Choke	TRANSFORMER
FL3	TME110056L	CM Choke	TRANSFORMER
IC500	TPS92210	IC Green-Mode Flyback Controller	TI
IC502	TL103WA	IC Dual Operational Amplifiers with Internal Reference	TI
IC503	PS2701	IC Photo High Isolation Voltage	NEC
Q500	SMK0870F	MosFet 700V 8A TO-220F	AUK
L1	TME100230L	9mH10x17	TRANSFORMER
L2	TME110058L	150uH10x17	TRANSFORMER

R1		RES 470k 1206	YAGEO
R2		RES 470k 1206	YAGEO
R3		RES 470k 1206	YAGEO
R501		RES 750k 1206	YAGEO
R502		RES 750k 1206	YAGEO
R504		RES 10R 0805	YAGEO
R505		RES 2R2 0805	YAGEO
R506		RES 470k HV 1206	YAGEO
R507		RES 470k HV 1206	YAGEO
R510		RES 78.7k 0603	YAGEO
R511		RES 75k 0603	YAGEO
R512		RES 43.2k 0603	YAGEO
R513		RES 51.1k 0603	YAGEO
R514		RES 680k 0603	YAGEO
R515		RES 20k 0603	YAGEO
R517		RES 80.6k 0603	YAGEO
R562		RES 6.04k 0603	YAGEO
R563		RES 620 ohm 0603	YAGEO
R564		RES 4.99k 0805	YAGEO
R570		RES 0.5 ohm 1W	YAGEO
R573		RES 0 ohm 0603	YAGEO
R575		RES 3.01k 0603	YAGEO
R576		RES 6.65k 0603	YAGEO
R577		RES 4.42k 0603	YAGEO
R578		RES 44.2k 0603	YAGEO
R579		RES 4.32k 0805	YAGEO
R582		RES 40.2k 0603	YAGEO
R584		RES 910 1206 1W	YAGEO
T500	TME100414T	EW15 250uH	TRANSFORMER
ZD501		ZENER 15V 1W	PANJIT
ZD502		ZENER 15V 0.8W SOD-124	PANJIT
ZD503		ZENER 15V 0.8W SOD-125	PANJIT

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