

BOM Parts List for T8 18W Design

Part Reference	Part No	Description
BD100	TB8S	BD 800V 1A
C001	R46KF3100P	CAP 0.1uF 275V
C002	R46KF3100P	CAP 0.1uF 276V
C101	MMX 630 104	CAP 0.22uF 450V
C501		CAP 470pF 1kV 1206
C503		CAP 0.22uF 25V X7R 0603
C504		CAP Y2 2200pF P10
C505		CAP 0.022uF 25V X7R 0603
C507		CAP 68uF 25V KZM 5x11 p2
C511		CAP 1uF 25V X7R 0603
C554		CAP 680uF 50V 10x40 p5
C572		CAP 0.47uF 25V X7R 0805
C573		CAP 0.22uF 25V X7R 0603
C574		CAP 6800pF 25V X7R 0603
C575		CAP 1000pF 25V X7R 0603
C576		CAP 0.47F 25V X7R 0805
D500	US1008FL/SOD123	DIO 800V 1A SOD-123
D501	US1GW/SMA	DIO 400V 1A SMA
D502	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323
D503	US1002/SOD123	DIO 200V 1A SOD-123
D504	1N4148/SOD323	RES 2R2 0805
D505	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323
D506	1N4148/SOD323	DIO 100V 0.2A 0.2W SOD-323
F1	FUSE250V1A	FUSE 250V 1A
FL1		CM Choke

Part Reference	Part No	Description
IC500	TPS92210	IC Green-Mode Flyback Controller
IC502	TL103WA	IC Dual Operational Amplifiers with Internal Reference
IC503	PS2701	IC Photo High Isolation Voltage
L1		9mH10x17
Q500	SPD02N80C3	MOS 800V 2A TO-252
Q501	BSS123	MOS 100V 0.17A SOT-23
R1		RES 470k 1206
R2		RES 470k 1206
R3		RES 470k 1206
R501		RES 3.3M 1206
R502		RES 3.3M 1206
R504		RES 10R 0805
R505		RES 2R2 0805
R506		RES 470k HV 1206
R507		RES 470k HV 1206
R510		RES 66.5k 0603
R511		RES 75k 0603
R512		RES 43.2k 0603
R513		RES 51.1k 0603
R514		RES 680k 0603
R515		RES 20k 0603
R517		RES 80.6k 0603
R562		RES 8.06k 0603
R563		RES 1k 0603
R564		RES 4.99k 0805
R570		RES 0.5 ohm 1W 2010
R573		RES 0 ohm 0603

Part Reference	Part No	Description
R574		RES 75k 0603
R575		RES 3.01k 0603
R576		RES 6.65k 0603
R577		RES 4.42k 0603
R578		RES 44.2k 0603
R579		RES 4.32k 0805
R580		RES 910 1206 1W
R581		RES 75k 0603
R582		RES 40.2k 0603
R583		RES 510k 0603
R584		RES 910 1206 1W
T500		SW22
ZD501		ZENER 15V 0.8W SOD-123
ZD502		ZENER 15V 0.8W SOD-124
ZD503		ZENER 15V 0.8W SOD-125
PCB		

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