

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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