

Filename: PMP5509 REV_B_bom.xls

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PMP5509 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	.047u	Capacitor, Ceramic, 500V, X7R	1206	Std	Std
1	C2	0.047uF	Capacitor, Leaded, 0.047 uF, 275 VAC, X2	5x18mm	R46KI24705001K	
1	C3	2.2uF	Capacitor, Ceramic, 50V, X7R	1206	Std	Std
1	C4	100p	Capacitor, Ceramic, Low Inductance, 25V, [temp], [tol]	0603	std	muRata
1	C5	47pF	Capacitor, Ceramic, 630V, X7R, 10%	1206	Std	Std
1	C6	.01u	Capacitor, Ceramic, Low Inductance, 25V, [temp], [tol]	0603	std	muRata
1	C7	1000P	Capacitor, Ceramic, Low Inductance, 25V, [temp], [tol]	0603	std	muRata
1	C8	1uF	Capacitor, Ceramic, 16V, X7R	0603	Std	Std
1	D1	39V	Diode, Zener, 39V, 3.5-mA, 225-mW, 5%	SOT23	MMBZ5259BLT1	ON Semi
1	D2	MURS160T3	Diode, Ultrafast, 1-A, 600-V	SMB	MURS160T3	ON Semi
1	D3	DF06S	Bridge Rectifier, 600V, 1A, Glass Passivated, SMD	DF-S	DF06S	Diodes
2	D4	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon
	D5	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon
1	F1	1A/250V	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann
2	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
2	L1	1mH	Inductor, Power, 0.74A, 1.27ohm	0.484 x 0.484 inch	MSS1260-105KL	Coilcraft
	L2	1mH	Inductor, Power, 0.74A, 1.27ohm	0.484 x 0.484 inch	MSS1260-105KL	Coilcraft
1	L100	220uH	Inductor, SMT, 0.22A, 3.11 Ohm	0.26x0.09 inch	DO1608-224	Coilcraft
1	Q1	FMMT560	Bipolar, PNP, -500-V, -500-mA	SOT23	STD	STD
1	Q2	IRFR1N60	MOSFET, N-ch, 600-V, 1.4-A, 7 Ohms	DPAK	IRFR1N60A	IR
1	Q3	MMBT3904LT1	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23	MMBT3904LT1	On Semi
4	R1	220K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R2	1K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R3	100	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R5	220K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
	R6	220K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R7	10	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R8	220K	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R9	2K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R10	2.7	Resistor, Metal Film, 1/4 watt, ± 1%	1206	Std	Std
1	R11	20K	Resistor, Chip, 1/16W, x%	0603	Std	Std
2	R12	10K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R13	4.32K	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R14	10K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	T1	13.2mH	Common Mode Inductor, 250VAC, 13.2mH, 0.5A, 850milliOhm	0.560 * 0.645 inch	PE-53913	Pulse
1	U1	TPS92001	IC, LED Lighting PWM Controller	DGK8	TPS92001DGK	TI

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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