

Filename: PMP8623 REV_A_bom.xls

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PMP8623 REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	18uF	Capacitor, Aluminum, 400V, 105C, 20%	10mm x 20mm	EKXJ401ELL180MJ20S	Rubycon
1	C2	0.22 uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217	R46KI322050M2M	KEMET (Arcotronics)
1	C3	680uF	Capacitor, Aluminum, 16V, 105C, 20%	10mm x 12.5mm	EKZM160ELL681MJC5S	Nippon Chemi-Con
1	C4	1500uF	Capacitor, Aluminum, 16V, 105C, 20%	10mm x 20mm	EKZM160ELL152MJ20S	Nippon Chemi-Con
1	C5	1000 pF	Capacitor, 500Vac, Y5U ±20%	10 mm	VY1102M35Y5UQ63V0	Vishay
1	C6	0.1uF	Capacitor, Ceramic Chip, 50V, X7R, ±10%	0805	Std	Std
1	C100	22uF	Capacitor, Aluminum, SM, ±20%, 50V	D Code	EEEFK1H220P	Panasonic
1	D1	180V	Diode, TVS, 180-V, 400W	SMA	SMAJ180A	MDE
1	D2	DF06S	Bridge Rectifier, 600V, 1A, SMD	DF-S	DF06S	Diodes
1	D3	US1K	Diode, Rectifier, 1-A, 800V	SMA	US1K	Diodes
1	D4	DNP	Do Not Populate	SMC	N/A	N/A
1	D5	BAS21	Diode, Switching, 200-mA, 250-V,	SOT23	BAS21	Vishay
1	D6	MBRD660CT	Diode, Schottky, 6-A, 60-V,	D-PAK	MBRD660CT	On Semi
1	F1	2A	Fuse, Time Lag, 2A, 250V	0.335 inch	3721200041	Littlefuse
1	L3	1uH	Inductor, Power, 4.1 A, ±20%	0.157 x 0.157 inch	XFL4020-102ML	Coilcraft
2	L1-2	1mH	Inductor, Filter Chocke, 0.42-A, 2.5-Ohm	0.350 x 0.300 inch	744743102	Wuerth
1	Q1	SPD03N60C3	MOSFET, N-ch, 650-V, 3.2-A, 1.4-Ohm	DPAK	SPD03N60C3	Infineon
1	R1	275V	Varistor, 275Vac	0.472 x 0.213 inch	S10K275E2	Epcos
1	R3	39	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
1	R5	12k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R6	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R8	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R9	30k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R10	1.5	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R11	0	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R2 R4	10k	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
1	T1	1.9 mH	Transformer, Flyback, 15W	22.2mm x 25mm	750817134	Wuerth
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP1-2	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
1	U1	UCC28711D	IC, Constant Voltage, Constant Current PWM With Primary Side Regulation	SO-8	UCC28711D	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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