Filename: PMP7249 REV_B_bom.xls Date: 12/19/2012

PMP7249 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C6	1000uF	Capacitor, Aluminum, 16V, 105C, 20%	0.315 inch	EKZM160ELL102MJ16S	Nippon Chemi-Con
1	C7	1000pF	Capacitor, ClassY2/X1, 300 VAC, ±20%	0.157 x 0.512 inch	R413F11005000M	Arcotronics / Kemet
1	C8	1uF	Capacitor, Ceramic Chip, 50V, ±10%	1206	STD	STD
2	C1 C3	6.8uF	Capacitor, Aluminum, 450V, 105C, 20%	10mm x 16mm	450BXC6.8MEFC10X16	Rubycon
1	C100	0.1 uF	Capacitor, X2 Radial, 275 VAC, ±20%	0.236 x 0.512 inch	R46KI310050M1M	Kemet-Arcotronics
2	C4-5	10uF	Capacitor, Ceramic Chip, 25V, X5R, ±20%	1210	C3225X5R1E106M	TDK
1	D1	188V	Diode, TVS, 188V, 600Wpeak	SMB	SMBJ188A	Vishay
1	D2	DF06S	Bridge Rectifier, 600V, 1A, SMD	DF-S	DF06S	Diodes
1	D3	MBRS3100T3	Diode, Schottky 3-A 100-V	SMC	MBRS3100T3	On Semi
1	D4	US1K	Diode, Rectifier, 1-A, 800-V	SMA	US1K	Diodes
1	D5	BAS21	Diode, Switching, 200-mA, 250-V,	SOT23	BAS21	Vishay
1	F1	630mA	Fuse, Time Lag, 630mA, 250V	0.335 inch	3720630041	Littlefuse
1	L3	SHORT	SHORT	N/A	N/A	N/A
2	L1-2	470uH	Inductor, Radial , ±10%	0.354 x 0.480 inch	7447462471	Wuerth
1	Q1	FQPF2N70	MOSFET, Nch, 700V, 2A, 6.3 Ohm	TO-220	FQPF2N70	Fairchild
1	R2	S07K275E2	Varistor, Disk, 275V, 1W, TA @ 85C°	D Size	SIOV-S07K275E2	Epcos
1	R4	100	Resistor, Chip 1/4 watt, ± 5%	1206	STD	STD
1	R6	22	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R7	88.7k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R8	19.6k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R10	10	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R11	3.57k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R12	1.5	Resistor, Chip 1/4 watt, ±1%	1206	STD	STD
1	R13	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
3	R1 R3 R5	4.7M	Resistor, Chip, 1/10W, ±5%	0805	STD	STD
2	R100-101	2.21k	Resistor, Chip, 1/10W, ±5%	0805	STD	STD
1	R102	10k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	T1	1.5mH	Transformer, Flyback 12W	21.2x22 mm	E20-10-6	EPCOS
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	UCC28700DBV	IC, Constant Voltage, Constant Current PWM With Primary Side Regulation	SOT23 6Pin (DBV)	UCC28700DBV	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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