

Filename: PMP2459_REVB_bom.xls						
Date: 05/16/2007						
<b>PMP2459_REVB BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C21	18pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C19	220pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C100	470pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C22	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
3	C1, C2, C23	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C3	0.15uF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	Std
2	C13, C14	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	Std
2	C18, C20	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	Std
1	C16	470pF	Capacitor, Ceramic, 100V, C0G, 5%	805	Std	Std
2	C7, C12	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	C2012X7R2A104K	TDK
1	C101	1uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
1	C15	2.2uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
1	C24	4.7uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
2	C5, C6	1uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A105K	TDK
1	C8	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	C3225X5R1C226M	TDK
0	C9, C10	DNP		1210		
1	C17	2200pF	Capacitor, Ceramic, 2KV, X7R, 10%	1812	C4532X7R3D222K	TDK
1	C11	100uF	Capacitor, Aluminum, 16V, 20%	6.3x5.8mm	EEVFK1C101P	Panasonic
1	C4	22uF	Capacitor, Aluminum, 100V, 20%	8x10mm	EEVFK2A220P	Panasonic
1	D1		Diode, Switching, 200mA, 120V, 225mW	SOT-23	BAS19LT1	On Semi
1	D2		Diode, TVS, 58-V, 1W	SMA	SMAJ58A	Diodes Inc.
2	D3, D4		Bridge Rectifier, Schottky, 100V, 1A	HD DIP	CBRHDSH1-100	Central Semi
2	D5, D7		Diode, Switching, 200mA, 75V, 225mW	SOT-23	BAS16LT1	On Semi
2	D6, D9		Diode, Switching, 215mA, 70V, 225mW	SOT23	BAV99LT1	On Semi
1	D8		Diode, Schottky, 1A, 100V	SMA	B1100	Diodes, Inc
2	FB1, FB2		Bead, Ferrite, SMT, 600 Ohms, 2A	805	MPZ2012S601AT	TDK
1	J1		Header, Male 8-pin, 100mil spacing, (36-pin strip)	0.100 inch x 8	PTC36SAAN	Sullins
1	J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820	520252	AMP
2	J3, J4		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	10uH	Inductor, SMT, 10uH, 1.1A, 160milliohm	0.26x0.09	DO1608C-103ML	Coilcraft
1	L2	1uH	Inductor, SMT, 1uH, 2.9A, 50milliohm	0.26x0.09	DO1608C-102ML	Coilcraft
1	Q1		MOSFET, N-ch, 60V, 7.2A, 31milliohm	SO-8	Si4850EY	Vishay
2	Q2, Q4		Bipolar, PNP, 40V, 200mA, 225mW	SOT23	MMBT3906LT1	On Semi
1	Q3		MOSFET, N-ch, 150V, 3.7A, 85milliohm	SO-8	Si4848DY	Vishay
1	R7	20	Resistor, Chip, 1/16W, 5%	603	Std	Std
1	R10	24.9	Resistor, Chip, 1/16W, 1%	603	Std	Std

4	R9, R14, R18, R21	51.1	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R1, R2	75	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R19	2K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R23	2.61K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R15, R17	4.02K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R16	7.5K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R11, R20	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R4	24.9K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R3	60.4K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R22	68.1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	0.39	Resistor, Chip, 0.25W, 1%	1206	Std	Std
1	R6	24	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R8	357	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R5	39K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	T1		Xfmr, Center-tapped, Voice Over IP	0.500 x 0.370	H2019	Pulse
1	T2		Transformer, Flyback, CCM	17.50x23.35mm	G074294LF	GCI
1	T3		XFMR, SMT Gate Drive	0.355 X 0.340 inch	PA0184	Pulse
1	U2		IC, Photocoupler, 3750VRMS, 80-160% CTR	MF4	TCMT1107	Vishay
1	U1		IC, IEEE 802.3af Integrated Primary Side Controller	PWP20	TPS23750PWP	TI
1	U3		IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431ACDBZR	TI

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