

Filename: PMP2960_REVB_bom.xls						
Date: 12/18/2007						
<b>PMP2960_REVB BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C30	33pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C20	47pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C49	68pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
2	C21, C25	220pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C50	680pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
0	C38, C40, C41	DNP	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
2	C4, C14	1000pF	Capacitor, Ceramic, 50V, C0G, 10%	603	Std	Std
1	C23	1500pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C51	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
3	C1, C2, C18	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
3	C22, C27, C29	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C24	0.22uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
2	C17, C45	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	Std
2	C28, C48	1uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	Std	Std
2	C8, C13	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	C2012X7R2A104K	TDK
2	C19, C26	1uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
1	C3	4.7uF	Capacitor, Ceramic, 10V, X5R, 20%	805	C2012X5R1A475M	TDK
6	C31, C32, C33, C34, C35, C36	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	805	C2012X5R0J106M	TDK
1	C16	10uF	Capacitor, Ceramic, 16V, X7R, 10%	1206	C3216X7R1C106K	TDK
7	C9, C10, C11, C43, C44, C46, C47	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476M	TDK
2	C6, C7	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
1	C15	2200pF	Capacitor, Ceramic, 2KV, X7R, 20%	1812	1812CG222MAT	AVX
1	C12	100uF	Capacitor, Aluminum, 6.3V, ±20%	6.3x5.8mm	EEVFK0J101P	Panasonic
1	C5	22uF	Capacitor, Aluminum, 100V, 20%	8x10.2mm	EEVFK2A220P	Panasonic
1	D1		Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530L	On Semi
2	D10, D11		Diode, Switching, 200mA, 75V, 225mW	SOT-23	BAS16LT1	On Semi
1	D12		Diode, Schottky, 200mA, 30V	SOD323	BAT54HT1	On Semi
2	D2, D3		Bridge Rectifier, Schottky, 100V, 1A	MINI DIP4	CBRHDSH1-100	Central Semiconductor
2	D4, D5	15V	Diode, Zener, 15V, 225mW	SOT-23	BZX84C15LT1	On Semi
1	D13	5.6V	Diode, Zener, 5.6V, 225mW	SOT-23	BZX84C5V6LT1	On Semi
1	D6	58V	Diode, TVS, 58-V, 1W	SMA	SMAJ58A	Diodes Inc.
2	D7, D8		Diode, Switching, 200mA, 120V, 225mW	SOT-23	BAS19LT1	On Semi
1	D9		Diode, Rectifier, 1A, 100V	SMA	MURA120	On Semi
4	FB1, FB2, FB3, FB4		Bead, Ferrite, SMT, 600 Ohms, 2A	805	MPZ2012S601AT	TDK
2	J1, J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820	520252	AMP
6	J3, J4, J5, J6, J7, J8		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST

3	L1, L3, L4	2.2uH	Inductor, SMT, 1.2A, 100milliohm	0.102 x 0.110 inch	VLF3014AT-2R2M1R2	TDK
	ALT L1, L3, L4	2.2uH	Inductor, SMT, 1.75A, 59milliohm	4x4mm	SIS4040CN-2R2R	E&E
2	L2, L5	2.2uH	Inductor, SMT, 5.4A, 10milliohm	6.8x7.1mm	RLF7030T-2R2M5R4	TDK
	ALT L2, L5	2.2uH	Inductor, SMT, 5.4A, 20milliohm	6.9x7.3mm	831-03043FC	E&E
1	Q1		Trans, MOSFET, N-ch, 30V, 17.2A, 5.6 milliohm	SO8	IRF8113	IRF
1	Q2		MOSFET, N-ch, 150V, 3.7A, 85milliohm	SO-8	Si4848DY	Vishay
1	Q3		Bipolar, PNP, 40V, 200mA, 225W	SOT23	MMBT3906LT1	On Semi
1	Q4		MOSFET, N-ch, 60V, 115mA, 1.2Ohms	SOT23	2N7002	On Semi
1	Q5		XSTR, MOSFET, Dual N-Chan, 20V, 6A, Rds 0.030 ohm	1212-8 DUAL-PWP	Si7904BDN	Vishay
1	R39	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R53	1	Resistor, Chip, 1/16W, 5%	603	Std	Std
2	R4, R13	4.7	Resistor, Chip, 1/16W, 5%	603	Std	Std
2	R11, R100	20	Resistor, Chip, 1/16W, 5%	603	Std	Std
5	R15, R24, R37, R44, R58	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R1, R2	75	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R30, R61	100	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R18	249	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R55	698	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R16, R19, R23	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R31, R50	3.01K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	4.42K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R34	4.99K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R32	6.04K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R49	8.25K	Resistor, Chip, 1/16W, 1%	603	Std	Std
7	R27, R29, R35, R47, R48, R51, R52	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R21, R22	11K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R56	13.3K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R45	14.3K	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R14, R57, R60	20K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R26	24.3K	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R5, R25, R33	24.9K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R20	41.2K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R28	49.9K	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R40, R41, R54	100K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R8	178K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R38, R46	182K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R36	365K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R43	576K	Resistor, Chip, 1/16W, 1%	603	Std	Std
0	R42, R59	DNP	Resistor, Chip, 1/16W, 1%	603	Std	Std
0	R12	DNP	Resistor, Chip, 1/16W, 5%	603	Std	Std
2	R3, R7	10	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	R6	47K	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	R10	51K	Resistor, Chip, 1/10W, 5%	805	Std	Std

1	R17	0.5	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	T1		Xfmr, Power Over IP	0.456 x 0.362 inch	TLA-6T127LF-T	TDK
	ALT T1		Xfmr, Power Over IP	0.456 x 0.362 inch	824-00276	E&E
1	T2		Transformer, Flyback	16.5x21.5mm	DCT15EFD-U65S006A	TDK
	ALT T2		Transformer, Flyback	16.5x21.5mm	835-00996FC	E&E
8	TP1, TP3, TP4, TP5, TP6, TP7, TP8, TP9		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2, TP10		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U3		IC, Photocoupler, 3750VRMS, 80-160% CTR	MF4	TCMT1107	Vishay
1	U1		IC, IEEE 802.3 af Powered Device Controller	SO-8	TPS2377D-1	TI
1	U10		IC, Low Voltage DC/DC Synchronous Buck Controller	QFN-8P	TPS40041DRB	TI
1	U2		IC, Economy Primary-Side Controller	SO8	UCC2809D-2	TI
1	U4		IC, Shunt Regulator, 1.24V Ref, 6V, 10mA, 1%	SOT23-5	TLV431AIDBVR	TI
1	U5		IC, Single Differential Comparator	DBV	TL331IDBV	TI
1	U6		IC, 2.25 MHz Dual Step Down Converter	QFN10	TPS62410DRC	TI
3	U7, U8, U9		IC, Supervisor, Programmable	SC-70-5	TPS3803-01DCK	TI

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