

Filename: PMP6812_RevB_bom.xls							
Date: 01/20/2012							
PMP6812 REV B BOM							
TYPE 1	TYPE 2	RefDes	Value	Description	Size	Part Number	MFR
COUNT	COUNT						
1	1	C16	330pF	Capacitor, Ceramic, 50V, C0G, 10%	603	STD	Std
5	5	C4, C5, C6, C7, C9	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	603	Std	Std
2	2	C1, C2	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	603	Std	Std
1	1	C25	100pF	Capacitor, Ceramic, 50V, C0G, 10%	603	STD	Std
1	1	C26	0.022uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
1	1	C27	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
0	1	C24	0.022uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
1	0	C24	0.068uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	Std
4	4	C8, C10, C15, C30	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	STD	TDK
3	3	C21, C28, C29	1uF	Capacitor, Ceramic, 25V, X7R, 10%	805	STD	STD
2	2	C3, C23	1000pF	Capacitor, Ceramic, 2KV, X7R, 10%	1210	Std	STD
1	1	C12	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
0	1	C13	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
0	0	C14	DNP	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
2	2	C17, C18	22uF	Capacitor, Ceramic, 16V, X7R, 10%	1210	Std	Std
0	1	C19	22uF	Capacitor, Ceramic, 16V, X7R, 10%	1210	Std	Std
0	1	C20	220uF	Capacitor, Aluminum, 16V, 20%	6.3x7.7mm	EEEFK1C221XP	Panasonic
1	1	C22	22uF	Capacitor, Aluminum, 25V, 20%	5x5.8mm	EEEFK1E220R	Panasonic
1	1	C11	47uF	Capacitor, Aluminum, 63V, ±20%	8x10.2mm	EEEFK1J470P	Panasonic
8	8	D1, D2, D3, D4, D5, D6, D7, D8		Diode, Schottky, 1A, 100V	SMA	B1100	Diodes
1	1	D10	5.1V	Diode, Zener, 5.1V, 200mW	SOD-323	BZT52C5V1S	Diodes
1	0	D11		Diode, Schottky, 3A, 60V	Power DI	PDS360	Diodes
0	1	D11		Diode, Schottky, 7A, 60V	Power DI	PDS760	Diodes
1	1	D12		Diode, Rectifier, 1A, 200V	SMA	MURA120	On Semi
1	1	D13		Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	1	D14		Diode, Dual Schottky, 200mA, 30V	SOT23	BAT54S	Diodes, Inc
1	1	D15	58V	Diode, Transient Voltage Suppressor, 400W, 58V	SMA	SMAJ58A	Diodes, Inc
1	1	D9		Diode, Schottky, 2A, 100V	SMB	B2100	Diodes, Inc.
8	8	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8	15	Bead, Ferrite, SMT, 15 Ohms, 1.5A	805	MMZ2012R150A	TDK
0	0	FB9	DNP	Bead, SMT, 30 Ohm, 5A	1608	MPZ1608S300A	TDK
2	2	J1, J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820 in	520252	AMP
2	2	J3, J4		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
1	1	J5		Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
1	1	L1	3.3uH	Inductor, SMT, 1.53A, 32milliohm	5.1x5.1mm	MSS5131-332MX	Coilcraft
0	0	L2	DNP	Inductor, SMT, 3A, 23 milliohms	3.2x3.2mm	XFL3012-361ME	Coilcraft
0	0	L3, L4	DNP	Inductor, CM, 0.95A, 180 milliohms	8.7x10.0 mm	744272102	WE
0	1	Q1		MOSFET, N-ch, 150V, 4.9A, 47 milliohm	SO8	FDS2572	Fairchild

1	0	Q2		Trans, Nch, 150V, 1.4A, 425 milliohm	SuperSOT-6	FDC2512	Fairchild
5	5	R13, R20, R27, R28, R29	0	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R8	20	Resistor, Chip, 1/16W, 5%	603	STD	Std
0	1	R25	63.4	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	0	R25	90.9	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	2	R1, R2	75	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	1	R16	499	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R9	1K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	2	R12, R17	2K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R24	2.61K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R15	3.01K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R4	8.87K	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	3	R14, R18, R19	10K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	2	R23, R26	24.9K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R22	69.8K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R21	75K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	1	R3	200K	Resistor, Chip, 1/16W, 1%	603	Std	Std
0	1	R7	4.7	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	0	R7	20	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	1	R5	39K	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	1	R6	24	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	0	R11	0.25	Resistor, Chip, 1/4W, 5%	1206	Std	Std
0	1	R10	0.25	Resistor, Chip, 1/2W, 1%	2010	Std	Std
0	1	T1		Transformer, High Power PoE	S0 14 Wide	ETH1-230LD	Coilcraft
1	0	T2		XFMR, 1000 Base-T, Ratio 1:1	0.500 x 0.370 in	H2019	Pulse
1	0	T3		Transformer, SMT For PoE/PD, 12V, 0.9A	0.677 x 0.865 in	POE13F-12L	Coilcraft
0	1	T4		Transformer, Flyback	0.810 X 1.181 in	JA4387-AL	Coilcraft
1	1	U2		IC, Photocoupler, 80-160% CTR	MF4	TCMT1107	Vishay
1	1	U4		IC, Photocoupler, 200-400% CTR	MF4	TCMT1109	Vishay
1	1	U3		IC, Shunt Regulator, 2.5V ref, 36V, 100mA, 1%	SOT23-5	TL431ACDBVR	TI
0	1	U1		IC, IEEE 802.3at PoE Interface and Isolated Converter Control	PWP20	TPS23754PWP	TI
1	0	U1		IC, IEEE 802.3at High Efficiency PoE Interface and Controller	PWP20	TPS23757PWP	TI

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