

Filename: PMP8812_RevA_bom.xls						
Date: 02/07/2013						
<b>PMP8812 REV A BOM</b>						
COUNT	REFDES	VALUE	DESCRIPTION	SIZE	PART NUMBER	MFR
1	C31	330pF	Capacitor, Ceramic, 50V, C0G, 10%	603	STD	Std
1	C28	470pF	Capacitor, Ceramic, 100V, X7R, 10%	603	STD	Std
2	C8, C6	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	603	STD	Std
2	C11, C37	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
4	C2, C3, C4, C5	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	603	STD	Std
1	C36	0.022uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
2	C12, C30	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	Std
5	C13, C14, C32, C33, C34	0.47uF	Capacitor, Ceramic, 16V, X7R, 10%	603	STD	Std
3	C25, C29, C38	1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	Std
0	C35	DNP	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
4	C7, C9, C15, C19	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	STD	Std
2	C1, C10	1000pF	Capacitor, Ceramic, 2KV, X7R, 15%	1210	STD	Std
2	C17, C18	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	STD	Std
5	C20, C21, C22, C23, C24	22uF	Capacitor, Ceramic, 16V, X7R, 10%	1210	STD	Std
1	C26	2200pF	Capacitor, Ceramic, 2KV, X7R, 15%	1812	STD	Std
1	C27	22uF	Capacitor, Aluminum, 25V, 20%	5x5.8mm	EEE-FK1E220R	Panasonic
1	C16	47uF	Capacitor, Aluminum, 63V, ±20%	0.328 x 0.390 inch	EEE-FK1J470P	Panasonic
4	D11, D12, D14, D20		Diode, LED, Green, 10mA, 2.6mcd	0.114 X 0.049 inch	LN1371G	Panasonic
1	D13		Diode, UltraFast Rectifier, 1-A, 200-V	SMB	MURS120T3G	On Semi
2	D15, D16		Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	1N4148W-7-F	Diodes
9	D1, D2, D3, D4, D5, D7, D8, D9, D10		Diode, Schottky, 2-A, 100-V	SMB	B2100-13-F	Diodes
1	D17		Diode, Schottky, 7A, 60V	Power DI 5	PDS760	Diodes, Inc
2	D18, D19		Diode, Dual Schottky, 200mA, 30V	SOT323	BAT54SWT1G	On Semi
1	D6		Diode, TVS, 58-V, 1W	SMA	SMAJ58A-13-F	Diodes
4	FB1-4	500	Bead, Ferrite, 2000mA, 60m-ohm	1206	MI1206L501R-10	Steward
2	J1, J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820 inch	5520252-4	AMP
2	J3, J10		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
7	J4, J5, J6, J7, J8, J9, J11		Header, Male 2-pin, 100mil spacing	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	3.3uH	Inductor, SMT, 1.9A, 80 milliohm	4x4mm	LPS4018-332ML	Coilcraft
0	L2	DNP	Inductor, SMT, 19.2A, 3.52 milliohm	5.3x5.5 mm	XAL5030-331ME	Coilcraft
3	Q1-2 Q7		MOSFET, Pch, -50V, -0.13A, 10 Ohm	SOT23	BSS84LT1C	Infineon
1	Q3		MOSFET, N-Chan, 60V, 17A, 4.7 mOhm	QFN-8 POWER	CSD18533Q5A	TI
1	Q5		MOSFET, NChannel, 150V, 16A, 51 milliohm	Power 56	FDMS86252	Fairchild
2	Q4, Q6		Trans, PNP, 40V, 200mA, 225m-W	SOT23	MMBT3906LT1G	On Semi
1	Q8		MOSFET, N-ch, 30V, 3.6A, 60 milliOhm	SOT23	Si2304DDS	Vishay
1	Q9		Trans, NPN, 40V, 200mA, 225mW	SOT23	MMBT3904LT1G	On Semi
2	R39, R46	0	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R38	4.7	Resistor, Chip, 1/16W, 1%	603	STD	Std

1	R32	40.2	Resistor, Chip, 1/16W, 1%	603	STD	Std
8	R1, R2, R3, R4, R6, R7, R8, R9	75	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R36	332	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R15	1K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R20, R16	1.5K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R47, R100	2K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R44	2.49K	Resistor, Chip, 1/16W, 1%	604	STD	Std
3	R11, R18, R50	3.01K	Resistor, Chip, 1/16W, 1%	605	STD	Std
1	R45	3.65K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R27	6.19K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R10	8.87K	Resistor, Chip, 1/16W, 1%	603	STD	Std
5	R29, R33, R37, R43, R48	10K	Resistor, Chip, 1/16W, 1%	603	STD	Std
3	R51, R101, R102	10.7K	Resistor, Chip, 1/16W, 1%	603	STD	Std
4	R12, R13, R19, R14	15K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R40	20K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R21, R23	24.9K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R35	28.0K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R41, R42	30.1K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R28	34K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R49	41.2K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R5, R31	100K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R17	392K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R24	750K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R25	10	Resistor, Chip, 1/10W, 5%	805	STD	Std
1	R26	63.4	Resistor, Chip, 1/10W, 1%	805	STD	Std
1	R22	39K	Resistor, Chip, 1/4W, 5%	1206	STD	Std
1	R34	0.09	Resistor, Chip, 1/2W, 1%	2010	STD	Std
1	R30	47	Resistor, Chip, 1W, 5%	2512	STD	Std
1	S1		Switch, SPST, PB Momentary, Sealed Washable	0.245 X 0.251 inch	KT11P2JM34LFS	C & K
6	TP1, TP3, TP5, TP8, TP11, TP12		Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP14, TP17		Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
5	TP2, TP4, TP10, TP15, TP16		Test Point, Orange, Thru Hole	0.125 x 0.125 inch	5013	Keystone
3	TP6, TP9, TP13		Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP7		Test Point, SM, 0.150 x 0.090	0.185 x 0.135 inch	5016	Keystone
1	T1		Transformer, PoE Plus Gigabit Transfomer Modules	S024	749022011	Würth Electronics
1	T2		Transformer, SMT For PoE/PD, 25W, 12V	0.810 x 1.181 inch	POE300F-12L	Coilcraft
1	T4		Transformer, Gate Drive	9.7mm x 7.8mm	LTC0266-50	LinkCom
5	U1, U2, U3, U4, U6		Photocoupler, 300-600% CTR, 3.75KV Isolation	MF4	PC357N4J000F	Sharp
1	U7		IC, Photocoupler, 3750VRMS, 80-160% CTR	MF4	TCMT1107	Vishay
1	U8		IC, Shunt Regulator, 35V, 100mA, 1%	SOT23-5	TL431ACDBVR	TI
1	U5		IC, IEEE 802.3 AT PoE Interface & Green Mode DC-DC Controller	HTSSOP	TPS23752PWP	TI