

Filename: PMP8454_RevD_bom.xls						
Date: 01/30/2013						
<b>PMP8454 REV D BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C25	68pF	Capacitor, Ceramic, 50V, C0G, 10%	603	STD	Std
2	C18, C23	1000pF	Capacitor, Ceramic, 50V, C0G, 10%	603	STD	Std
2	C4, C5	1000pF	Capacitor, Ceramic, 100V, X7R, 10%	603	STD	Std
2	C1, C2	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	603	STD	Std
1	C28	0.068uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
3	C14, C22, C26	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	603	STD	Std
1	C24	0.15uF	Capacitor, Ceramic, 16V, X7R, 10%	603	STD	Std
3	C13, C21, C29	1uF	Capacitor, Ceramic, X7R, 16V, 10%	603	STD	Std
2	C17, C30	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	STD	Std
1	C27	1uF	Capacitor, Ceramic, 25V, X7R, 10%	805	STD	Std
3	C3, C9, C11	1000pF	Capacitor, Ceramic, 2KV, X7R, 10%	1210	STD	Std
2	C16, C31	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
3	C12, C19, C20	100uF	Capacitor, Ceramic, 6.3V, 20%	1210	C3225X5R0J107M	TDK
1	C10	22uF	Capacitor, Aluminum, 25V, 20%	5x5.8mm	EEEFK1E220R	Panasonic
1	C15	22uF	Capacitor, Aluminum, 100V, 20%	8x10.2mm	EEEFK2A220P	Panasonic
2	D12, D19		Rectifier, Superfast Power, 200V 1A	SMA	ES1D	Diodes, Inc
3	D15, D20, D21		Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530	On Semi
1	D16		Diode, Switching, 100V, 200mA, 400mW,	SOD-123	MMSD4148	On Semi
4	D17, D18, D22, D23	15V	Diode, Zener, 15V, 500mW	SOD123	MMSZ5245BT3G	On Semi
1	D24		Diode, Dual Schottky, 200-mA, 30-V	SOT23	BAT54S	Zetex
1	D25		Diode, SMT TVS 400W, 4.3-A, 58-V	SMA	SMAJ58A	Diodes
2	D3, D4		Bridge Rectifier, 400V, 0.8A, Glass Passivated, SMD	MINI DIP4	HD04	Diodes, Inc
4	FB1, FB2, FB3, FB4	15	Bead, Ferrite, SMT, 15 Ohms, 1.5A	805	MMZ2012R150A	TDK
2	J2, J3		Connector, Jack, Modular, 8 POS	0.705 x 0.820	520252	AMP
3	J4, J5, J6		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED555/2DS	OST
0	L1	DNP	Inductor, SMT, 0.79A, 300milliohm	3.5x3.7mm	VLF4012AT-100MR79	TDK
2	Q1, Q3		MOSFET, NChan, 30V, 13A, 12.5 milliohm	SON 5x6	CSD17527Q5A	TI
1	Q2		Trans, Nch, 150V, 2.3A, 144milliohm	SuperSOT-6	FDC86244	Fairchild
1	R18	0	Resistor, Chip, 1/16W, 5%	603	STD	Std
3	R9, R12, R13	10	Resistor, Chip, 1/16W, 5%	603	STD	Std
2	R2, R3	75	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R29	90.9	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R24	237	Resistor, Chip, 1/16W, 1%	603	STD	Std

1	R23	348	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R14	825	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R26	1K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R21	2K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R34	3.01K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R32	5.90K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R19, R25	10K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R28	24.9K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R27	68.1K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R31	69.8K	Resistor, Chip, 1/16W, 1%	603	STD	Std
1	R33	100K	Resistor, Chip, 1/16W, 1%	603	STD	Std
2	R15, R16	0.91	Resistor, Chip, 1/10W, 1%	805	STD	Std
2	R11, R17	10	Resistor, Chip, 1/10W, 5%	805	STD	Std
1	R8	20	Resistor, Chip, 1/10W, 5%	805	STD	Std
1	R10	39K	Resistor, Chip, 1/10W, 5%	805	STD	Std
1	T1		XFMR, 1000 Base-T, Ratio 1:1	0.500 x 0.370 inch	H2019	Pulse
1	T2		Transformer, Flyback	13.5x17.75 mm	NA6111-AL	Coilcraft
		ALT T2	Transformer, Flyback	13.5x17.75 mm	LDT0567-50	LinkCom
1	U5		IC, Photocoupler, 80-160% CTR	SOP-4	LTV817AS	Lite-on
		ALT U5	IC, Photocoupler, 80-160% CTR	SOP-4	FOD817AS	Fairchild
1	U6		IC, Precision Adjustable Shunt Regulator, 1%	SOT23-5	TLV431ACDBVR	TI
1	U4		IC, High Power/Efficiency PoE PD and DC/DC Controller	HTSSOP	TPS23785BPWP	TI

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