

Filename: PMP3008_REVB_bom.xls						
Date: 12/05/2007						
		<b>PMP3008_REVB BOM</b>				
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	10pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
3	C9, C19, C21	100pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C6	1500pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
3	C17, C20, C22	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C4	5600pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C7	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
1	C12	0.068uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
2	C13, C18	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
2	C100, C101	10uF	Capacitor, Ceramic, 6.3V, X5R, 20%	603	C1608X5R0J106M	TDK
5	C5, C8, C14, C15, C16	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476M	TDK
4	C2, C3, C10, C11	50F	Capacitor, Double Layer, 2.3V, -20 to +40%	18 x 40mm	EECHW0D506	Panasonic
1	D1		Diode, Switching, 150mA, 75V, 225mW	SOT23	BAS16	On Semi
2	D100, D101		Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	On Semi
0	D2, D3	DNP	Diode, Schottky, 3A, 20V	SMC	MBRS320T3	On Semi
2	J1, J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
2	L1, L2	2.2uH	Inductor, SMT, 5.4A, 10 milliohm	6.8x7.1mm	RLF7030T-2R2M5R4	TDK
1	L100	4.7uH	Inductor, SMT, 820mA, 120 milliohm	3.5x3.7mm	VLF4012AT-4R7MR82-2	TDK
2	Q1, Q2		Trans, N-ch, 30V, 8A, 23 milliohm	SO8	Si4346DY	Vishay
2	R22, R24	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R28	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R11	422	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	511	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R7	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R3, R17	3.01K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R20	6.65K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R2	9.76K	Resistor, Chip, 1/16W, 1%	603	Std	Std
6	R8, R14, R15, R18, R19, R100	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R16	40.2K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R6	46.4K	Resistor, Chip, 1/16W, 1%	603	Std	Std
5	R4, R5, R9, R10, R102	100K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R21, R23	150K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	402K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R101	909K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R1	0.025	Resistor, Chip, 1/10W, 1%	805	Std	Std
3	R25, R26, R27	0	Resistor, Chip, 1/4W, 1%	1206	Std	Std
6	TP1, TP3, TP5, TP7, TP9, TP11		Test Point, Red	0.1	5000	Keystone
5	TP2, TP4, TP6, TP8, TP10		Test Point, Black	0.1	5001	Keystone
1	U1		IC, Sync. Boost Converter, 4A switch	QFN-16	TPS61030RSA	TI
1	U2		IC, 1.6mHz, Sync. Step-Down SWIFT Converter	QFN-24	TPS54317RHF	TI
1	U3		IC, Current Shunt Monitor, 20V/V	SOT23-5	INA193AIDBV	TI
1	U4		IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431ACDBZ	TI
1	U5		IC, Op Amp, 1 MHz, 45uA Rail-to-Rail	SOT23-5	OPA348AIDBV	TI
2	U6, U7		IC, N+1 and Oring Power Rail Controller	TSSOP-14	TPS2411PW	TI
1	U100		IC, High Efficiency, Sync Boost	SOT23-6	TPS61070DDC	TI

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