

Filename: PMP7032REVB_BILLOFMATERIALS_bom.xls						
Date: 10/24/2011						
		<b>PMP7032REVB_BILLOFMATERIALS BOM</b>				
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C2	33uF	Capacitor, Electrolytic, SMT, 33uF	0.457 x 0.406	EEEFK2A330P	Panasonic
1	C10	68nF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E103M	TDK
1	C13	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C14	1nF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C17	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H101J	TDK
1	C18	47nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C19	OPEN	Capacitor, Ceramic, 25V, X7R, 10%	0603	C1608X7R1E474K	TDK
1	C21	6.8nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C22	3.3nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
1	C23	OPEN	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H223K	TDK
2	C1 C201	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
2	C12 C7	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	STD	STD
2	C15 C24	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226M	TDK
4	C3-6	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
2	C8 C11	180uF	Capacitor, Aluminum SP, 6.3-V, 20%	7343	EEFUE0J181XE	Panasonic
3	C9 C16 C20	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	D1	MBRA140	Diode, Rectifier, 1A, 40V	SMA	MBRA140	ON Semiconductor
1	D4	MMBD1404	Diode, Switching, Dual, 200V, 200mA	SOT23	MMBD1404	Fairchild
1	D7	MBRS540T3	Diode, Schottky, 5-A, 40-V	SMC	MBRS540T3	On Semi
1	D9	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D10	13V	Diode, Zener, 13-V	SOT23	BZX84C13LT1	ON Semiconductor
2	D2-3	BAS40	Diode, Schottky, 120-mA, 40-V	SOT23	BAS40-00V	Vishay
2	D5 D8	6.8V	Diode, Zener, 6.8-V	SOT23	BZX84C6V8LT1	ON Semiconductor
3	D6 D11-12	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semiconductor
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	J2	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609	OST
1	L1	4uH	Inductor, SMT, 25-Asat, 21-Arms, 2.15-milliohm	0.790 x 0.770 inch	SER2014-402ML	Coilcraft
1	L2	1000uH	Inductor, SMT, 140 mAsat, 3.2 Ohm	0.260 x 0.260 inch	LPS6235-105ML	Coilcraft
1	Q4	Si2325DS	MOSFET,P-ch, -150 V, 690-mA, 1.2 Ohms	SOT-23	Si2325DS	Vishay
1	Q5	BSC360N15NS3G	MOSFET, NChannel, 150V, 33A, 33milliohm	PWRPAK S0-8	BSC360N15NS3G	Infineon

2	Q1 Q3	FZT651	Transistor, NPN, VCE 60V, 3A	SOT223	FZT651	Diodes Inc
2	Q2 Q6	CSD17312Q5	MOSFET, N-Chan, 30V, 1.4milli-ohm	QFN-8 POWER	CSD17312Q5	TI
1	R1	2.7k	Resistor, 1W, 5%	2512	STD	STD
1	R7	4.64	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R8	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	7.68k	Resistor, Chip, 1/16W, 0.5%	0603	Std	Std
1	R14	1.74k	Resistor, Chip, 1/16W, 0.5%	0603	Std	Std
1	R15	69.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10-11	100k	Resistor, Chip, 1/16W, 0.5%	0805	Std	Std
2	R19 R23	OPEN	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R2 R4	1k	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R201	2.2	Resistor, Chip, 1/2W, 1%	1812	Std	Std
4	R3 R6 R18 R20	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R5 R21-22	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9 R12	90.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA1005.100NL	XFMR, Current Sense	0.284 x 0.330 inch	PA1005.100NL	Pulse
1	T2	PA0810.006	Transformer, 3 pri, 2 sec-center tap, 7 aux wdgs	0.850 x 0.920 inch	PA0810.006	Pulse
4	TP1-2 TP5-6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3-4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone
1	U1	UCC2897ARTJ	IC, Active Clamp PWM Controller	QFP-20	UCC2897ARTJ	Texas Instruments
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay
1	U3	TLV431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TLV431ACDBZR	Texas Instruments
Notes:	1. These assemblies are ESD sensitive, ESD precautions shall be observed.					
	2. These assemblies must be clean and free from flux and all contaminants.					
	Use of no clean flux is not acceptable.					
	3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.					
	4. Ref designators marked with an asterisk ("**") cannot be substituted.					
	All other components can be substituted with equivalent MFG's components.					

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