

Filename: PMP4523REVC_bom.xls						
Date: 03/19/2009						
<b>PMP4523REVC BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1	180uF	Capacitor, Aluminum SP, 6.3-V, 20%	7343	EEFUE0J181XE	Panasonic
	C2	180uF	Capacitor, Aluminum SP, 6.3-V, 20%	7343	EEFUE0J181XE	Panasonic
4	C3	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
4	C4	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
	C5	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C6	10nF	Capacitor, Ceramic, 250-V, X7R	1206	C3216X7R2E103M	TDK
1	C7	1nF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
	C8	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
2	C9	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
2	C12	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226M	TDK
	C13	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C14	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H101J	TDK
1	C15	47nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C16	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
	C17	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C19	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
	C21	22uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1C226M	TDK
	C100	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
	C101	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
	C102	2.2uF	Capacitor, Ceramic, 100-V, X7R, 20%	1210	C3225X7R2A225M	TDK
4	D1	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semiconductor
	D3	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semiconductor
1	D4	10V	Diode, Zener, 200mW, 10V	SOD-323	BZT52C10S	Diodes Inc
	D6	MMDL914T1	Diode, Switching, 100-V, 200-mA, 200-mW,	SOD-323	MMDL914T1	On Semiconductor
	D100	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	2.8uH	Inductor, SMT, 17A	0.512 x 0.571 inch	PG0077.282	Pulse
2	Q1	SiR438DP	MOSFET, NChan, 25V, 60A, 1.8millohm	PWRPAK S0-8	SiR438DP	
	Q2	SiR438DP	MOSFET, NChan, 25V, 60A, 1.8millohm	PWRPAK S0-8	SiR438DP	
1	Q3	MMBT2907A	Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907A	ON Semiconductor

1	Q4	Si2325DS	MOSFET,P-ch, -150 V, 690-mA, 1.2 Ohms	SOT-23	Si2325DS	Vishay
1	Q5	Si7430DP	MOSFET, NChannel, 150V, 7.2A, 45 millohm	PWRPAK S0-8	Si7430DP	Vishay-Siliconix
1	Q6	PZT2222A	Trans, NPN, 40Vceo, 1A	SOT-223	PZT2222A	ON Semi
1	R1	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R3	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0.1	Resistor, Chip, 1/2W, 5%	2010	Std	Std
4	R6	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	6.81k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10	90.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R11	90.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	3.83k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.69k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R15	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	301	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R17	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R18	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R21	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R100	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA0457	XFMR, High Frequency Planar, 67W	0.750 x 0.780 inch	PA0457	Pulse
4	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	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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