

Filename: PMP5694REVB_BILLOFMATERIALS_bom.xls						
Date: 05/10/2011						
<b>PMP5694REVB_BILLOFMATERIALS BOM</b>						
<b>COUNT</b>	<b>RefDes</b>	<b>Value</b>	<b>Description</b>	<b>Size</b>	<b>Part Number</b>	<b>MFR</b>
1	C1	270pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C6	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0805	Std	Std
1	C10	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C12	4700pF	Capacitor, Ceramic, 4700pF, 2KV, X7R, 10%	1812	Std	AVX
1	C14	220nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C17	47pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C18	22pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C19	680pF	Capacitor, Ceramic, 50V, NPO, 10%	0603	Std	Std
1	C20	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C21	4.7uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	Std	Std
2	C13 C16	220pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
2	C2-3	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	C3225X7R1C226MT	TDK
2	C4-5	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	C3225X7R1H475MT	TDK
1	D1	B340LB	Diode, Schottky, 3A, 40V	SMB	B340LB	Diodes Inc.
1	D3	MMSD4148	Diode, Switching, 100V, 200mA, 400mW,	SOD-123	MMSD4148	On Semi
1	D4	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
2	D100-101	7.5V	Diode, Zener, 7.5V, 225-mW	SOT23	BZX84C7V5LT1	ON Semi
2	J1-2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	Q1	Si7414DN	MOSFET, N-Ch, 60V, 8.7A, 25 millohm	PWRPAK 1212	Si7414DN	Vishay
1	Q100	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R2	20	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R6	249K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	2K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	0.02	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R17	30.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	12.4K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	3.32K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R24	4.99K	Resistor, Chip, 1/4W, 1%	1206	Std	Std

1	R100	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R101 R103	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R102	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R13-14 R10 R21	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R16 R22	24.9K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8 R18	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	JA4467-AL	Transformer, Flyback, 3.5uH	0.453 x 0.512 inch	JA4467-AL	Coilcraft
5	TP1-2 TP4-5 TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP3 TP7-8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
1	U2	TCMT1107	IC, Photocoupler, 80-160% CTR	MF4	TCMT1107	Vishay
1	U3	TL431BCDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431BCDBZ	TI
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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