

Filename: PMP4743REVB_bom.xls							
Date: 05/28/2010							
<b>PMP4743REVB BOM</b>							
COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C1	100nF	Capacitor, Ceramic, 10V, X5R, 15%	0402	std	std	2800
2	C2	22uF	Capacitor, Ceramic, 16V, 22-uF, X7R, 15%	1210	C3225X5R1E106M	TDK	83,600
	C3	22uF	Capacitor, Ceramic, 16V, 22-uF, X7R, 15%	1210	C3225X5R1E106M	TDK	83,600
1	C4	1uF	Capacitor, Ceramic, 16V, 1-uF, X7R, 15%	0603	C1608X7R1C105M	TDK	5650
1	C5	100uF	Capacitor, Aluminum Electrolytic, 50V, ±20%	0.328 x 0.390 inch	EEVFK1H101P, size F	Panasonic	161,100
2	C7	4.7uF	Capacitor, Ceramic, 50V, 4.7-uF, X7R, 15%	1210	C3225X7R1H475M	TDK	83,600
	C8	4.7uF	Capacitor, Ceramic, 50V, 4.7-uF, X7R, 15%	1210	C3225X7R1H475M	TDK	83,600
1	C9	2.2pF	Capacitor, Ceramic, 50V, NP0/C0G	0603	std	std	5650
1	C10	22nF	Capacitor, Ceramic, 50V, NP0/C0G	0805	std	std	10560
1	C12	100nF	Capacitor, Ceramic, 25V, 100nF	0805	Std	Std	10560
1	D2	B140	Diode, Schottky, 1A, 40V	SMA	B140	Diodes Inc.	29520
1	J1	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST	105825
1	JP1	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
1	L1	100uH	Inductor, SMT, 270mAsat, 600milliohm	0.189 x 0.189 inch	LPS5030-104ML	Coilcraft	57500
1	R1	126k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
2	R2	110k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
	R3	110k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R5	12.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R10	13k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R11	2.21k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
6	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
3	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP12	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP16	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
1	U1	TPS54040DGQ	IC, Swift DC-DC Converter With Eco-Mode, 0.5A, 42V	MSOP-10	TPS54040DGQ	TI	39000
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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