

Filename: PMP4747REVA_bom.xls							
Date: 03/24/2010							
PMP4747REVA BOM							
COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C1	270pF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C2	220nF	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	std	5650
1	C3	33pF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C4	22nF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C5	1u	Capacitor, Ceramic, 50V	0805	Std	Std	10560
1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
2	C8	4.7uF	Capacitor, Ceramic, X7R, 50V	1210	C3225X7R1H475M	TDK	83,600
1	C9	270pF	Capacitor, Ceramic, vvV, [temp], [tol]	0603	std	std	5650
	C10	4.7uF	Capacitor, Ceramic, X7R, 50V	1210	C3225X7R1H475M	TDK	83,600
2	C11	22uF	Capacitor, Ceramic, X7R, 16V	1210	C3225X7R1C226M	TDK	83,600
	C12	22uF	Capacitor, Ceramic, X7R, 16V	1210	C3225X7R1C226M	TDK	83,600
2	C15	4.7uF	Capacitor, Ceramic, X7R, 50V	1210	C3225X7R1H475M	TDK	28000
1	C27	220uF	Capacitor, Electrolytic, SMT, 220uF, 50Vdc	0.457 x 0.406	EEEVFK1H221P	Panasonic	225,848
	C28	4.7uF	Capacitor, Ceramic, X7R, 50V	1210	C3225X7R1H475M	TDK	28000
1	D1	B560C	Diode, 5A, 60V	SMC	B560C	Diodes Inc.	95000
1	D101	6.8V	Diode, Zener, 6.8V	SOD-323	MMSZ5235BS-7-F	Diodes	195000
1	D102	4.7V	Diode, Zener, 4.7V	SOD-323	MMSZ5230BT1	Diodes	195000
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
1	L2	22uH	Inductor, SMT Dual Winding, 3.78A, 79milliohm	0.492 x 0.492 inch	DRQ127-220R	Cooper	329,000
1	Q3	Si7850DP	MOSFET, NChannel, 60V, 10.3 A, 0.022 millohm	PWRPAK S0-8	Si7850DP	Vishay	85057
1	Q101	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi	14105
1	R1	205k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	10k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	3.09k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
2	R6	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
	R7	4.7	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R11	0.025	Resistor, Chip, 1/2W, 1%	1812	Std	Std	38080

1	R101	237k	Resistor, Chip, 1/16W, 1%	0805	Std	Std	10560
2	R102	20k	Resistor, Chip, 1/16W, 1%	0805	Std	Std	10560
	R103	20k	Resistor, Chip, 1/16W, 1%	0805	Std	Std	10560
1	R104	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
3	TP1	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
2	TP2	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	10
1	TP4	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
2	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	10
	TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	TI	26780
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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