

Filename: PMP4744REVB_bom.xls						
Date: 03/31/2010						
PMP4744REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C1	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%, 125C	1210	C3225X7R1H475M	TDK
	C2	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%, 125C	1210	C3225X7R1H475M	TDK
4	C3	22nF	Capacitor, Ceramic, 22nF, 50-V, X7R, 5%	0603	Std	Std
1	C4	1uF	Capacitor, Ceramic, X7R, 50V, 15%, 125C	1206	C3216X7R1H105M	TDK
1	C5	220uF	Capacitor, Electrolytic, SMT, 220uF, 50V	0.457 x 0.406	EEEVFK1H221P	Panasonic
	C6	22nF	Capacitor, Ceramic, 22nF, 50-V, X7R, 5%	0603	Std	Std
1	C7	39pF	Capacitor, Ceramic, 39-pF, 50-V, X7R, 10%	0603	Std	Std
1	C8	3.3nF	Capacitor, Ceramic, 3.3nF, 25-V, X7R, 10%	0603	Std	Std
1	C9	22uF	Capacitor, Ceramic, 16V, X7R, 15%, 125C	1210	C3225X7R1C226M	TDK
	C10	22nF	Capacitor, Ceramic, 22nF, 50-V, X7R, 5%	0603	Std	Std
1	C11	220pF	Capacitor, Ceramic, 220pF, 50-V, X7R, 5%	0603	Std	Std
1	C12	220uF	Capacitor, Aluminum, SMT, 10V, 20%	0.260 x 0.276 inch (D8)	EEEVFK1A221XP	Panasonic
1	C13	560pF	Capacitor, Ceramic, 560-pF, 50-V, X7R, 5%	0603	Std	Std
	C14	22nF	Capacitor, Ceramic, 22nF, 50-V, X7R, 5%	0603	Std	Std
1	C15	1uF	Capacitor, Ceramic, 1-uF, 6.3-V, X7R, 5%	0603	C1608X7R0J105K	TDK
1	D1	MMBZ5240	Diode, Zener, 10-V, 300-mW	SOT23	MMBZ5240	Motorola
1	D2	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	BAS16	Vishay-Liteon
1	D3	B260A	Diode, Schottky, 2-A, 60-V	SMA	B260A	Diodes Inc.
2	J1		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	10uH	Inductor, SMT, 1.36A, 85-milliohm	0.250 x 0.250 inch	MSS6132-103MLC	Coilcraft
1	L2	100uH	Inductor, Power, 1.5Arms, 142milliohm	0.484 x 0.484 inch	MSS1260-104MLD	Coilcraft
1	Q1	MMBT3904	Bipolar, NPN, 40V, 200-mA, .5-W	SOT23	MMBT3904	
1	Q2	BSP613P	MOSFET, P-ch, -60-V, -2.3-A, 130-milliohms	SOT-223	BSP613P	Infineon
1	Q3	MMBT3906	Bipolar, PNP, 40-V, 200-mA, .5-W	SOT23	MMBT3906	Diodes Inc.
1	R1	1.0k	Resistor, Chip, 1.0K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	59k	Resistor, Chip, 59k-Ohms, 1/16-W, 5%	0603	Std	Std
1	R3	200	Resistor, Chip, 200-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	10	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R5	30.1k	Resistor, Chip, 30.1K-Ohms, 1/16-W, 1%	0603	Std	Std

1	R6	7.32k	Resistor, Chip, 7.32K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	53.6k	Resistor, Chip, 53.6K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	45.3k	Resistor, Chip, 45.3K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	7.5k	Resistor, Chip, 7.5k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R10	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 5%	0603	Std	Std
4	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TL5001A-Q1	IC, Low-Cost PWM Controller, 125C	SO8	TL5001AQDRQ1	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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