

Filename: PMP4696REVB_bom.xls						
Date: 12/22/2009						
PMP4696REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C68	2.2nF	Capacitor, Ceramic, 2200pF, 2kV, X7R, 1812	1812	Std	Std
1	C69	470pF	Capacitor, Ceramic, 470pF, 100V, X7R	0603	Std	Std
4	C70	2.2uF	Capacitor, Ceramic, 2.2-uF, 100-V, X7R, 20%, 1210	1210	Std	Std
	C71	2.2uF	Capacitor, Ceramic, 2.2-uF, 100-V, X7R, 20%, 1210	1210	Std	Std
	C72	2.2uF	Capacitor, Ceramic, 2.2-uF, 100-V, X7R, 20%, 1210	1210	Std	Std
	C73	2.2uF	Capacitor, Ceramic, 2.2-uF, 100-V, X7R, 20%, 1210	1210	Std	Std
1	C74	22nF	Capacitor, Ceramic, 250V, X7R	0805	Std	Std
2	C75	4.7uF	Capacitor, Ceramic, 4.7-uF, 50-V, X7R, 20%, 1210	1210	Std	Std
	C76	4.7uF	Capacitor, Ceramic, 4.7-uF, 50-V, X7R, 20%, 1210	1210	Std	Std
1	C77	100uF	Capacitor, Aluminum, 100-uF, 35-V, FK Series	0.268 x 0.307	EEVFK1V101XP	Panasonic
1	C78	1uF	Capacitor, Ceramic, 1-uF, 50-V, X7R, 0805	0805	Std	Std
2	C79	10nF	Capacitor, Ceramic, 0.01uF, 50V, X7R, 0603	0603	Std	Std
3	C80	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 0603	0603	Std	Std
	C81	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 0603	0603	Std	Std
	C82	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 0603	0603	Std	Std
1	C83	DNP	Capacitor, Ceramic, 0603, DNP	0603	N/A	N/A
	C84	10nF	Capacitor, Ceramic, 0.01uF, 50V, X7R, 0603	0603	Std	Std
2	C85	330pF	Capacitor, Ceramic, 330pF, 50V, COG, 0603	0603	Std	Std
	C86	330pF	Capacitor, Ceramic, 330pF, 50V, COG, 0603	0603	Std	Std
1	C87	15nF	Capacitor, Ceramic, 0.015uF, 16V, X7R, 0603	0603	Std	Std
1	C88	47pF	Capacitor, Ceramic, 47pF, 16V, X7R, 0603	0603	Std	Std
1	C89	4.7uF	Capacitor, Ceramic, 4.7-uF, 16-V, X7R, 0805	0805	Std	Std
1	D13	MBRB20100CT	Diode, Schottky Barrier Rectifier, 20A, 100V	D2PAK	MBRB20100CT	ON Semiconductor
1	D14	BAS21	Diode, Switching, SOT-23	SOT23	BAS21	On Semi
1	D15	5.1V	Diode, Zener, 5.1-V, SOT23	SOT23	BZX84C5V1LT1	On Semi
2	D16	BAS16	Diode, Switching, SOT23	SOT23	BAS16	On Semi
	D100	BAS16	Diode, Switching, SOT23	SOT23	BAS16	On Semi
2	J7		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	ED1514	OST
	J8		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	ED1514	OST
1	L6	1.5uH	Inductor, SMT, 1.5uH, 4.5A	0.284 x 0.284	PF0464.152	Pulse
1	Q13	Si7172DP	MOSFET, NChannel, 200V, 4.8A, 70 millohm	PWRPAK S0-8	Si7172DP	Vishay-Siliconix
1	Q14	MMBT3904	Bipolar, NPN, SOT23	SOT23	MMBT3904LT1	ON Semi
1	Q100	MMBT2907	Bipolar, PNP, SOT23	SOT23	MMBT2907LT1	On Semi
1	R59	47	Resistor, Chip, 47 Ohms, 1-W, 5%	2512	Std	Std

1	R61	4.7k	Resistor, Chip, 4.7k, 1-W, 5%	2512	Std	Std
2	R63	0.27	Resistor, Chip, 0.27-Ohms, 1-W, 5%	2512	Std	Std
	R64	0.27	Resistor, Chip, 0.27-Ohms, 1-W, 5%	2512	Std	Std
1	R65	10k	Resistor, Chip, 20k, 1%, 0603	0603	Std	Std
1	R66	49.9	Resistor, Chip, 49.9 Ohms, 1%, 0603	0603	Std	Std
3	R67	10k	Resistor, Chip, 10k, 1%, 0603	0603	Std	Std
4	R68	1k	Resistor, Chip, 1k, 1%, 0603	0603	Std	Std
	R69	1k	Resistor, Chip, 1k, 1%, 0603	0603	Std	Std
	R70	10k	Resistor, Chip, 10k, 1%, 0603	0603	Std	Std
1	R71	4.99k	Resistor, Chip, 4.99k, 1%, 0603	0603	Std	Std
	R73	1k	Resistor, Chip, 1k, 1%, 0603	0603	Std	Std
1	R74	100k	Resistor, Chip, 100k, 1%, 0603	0603	Std	Std
1	R75	15k	Resistor, Chip, 15k, 1%, 0603	0603	Std	Std
	R76	1k	Resistor, Chip, 1k, 1%, 0603	0603	Std	Std
1	R77	40.2k	Resistor, Chip, 40.2k, 1%, 0603	0603	Std	Std
1	R78	DNP	Resistor, Chip, DNP, 0603	0603	N/A	N/A
	R79	10k	Resistor, Chip, 10k, 1%, 0603	0603	Std	Std
1	R80	6.49k	Resistor, Chip, 6.49k, 1%, 0603	0603	Std	Std
1	T2	DCT25EFD-U19S014	Transformer, Flyback	1.040 x 1.260 inch	DCT25EFD-U19S014	TDK
4	TP16		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP17		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP18		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP19		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP20		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP21		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP22		Test Point, Black, 1mm	0.038	240-333	Farnell
1	U9	UCC2809-1P	IC, Economy Primary-Side Controller, 10-V Startup	DGK8	UCC2809-1P	TI
1	U10	H11A817B	IC, Optocoupler, 5300-V, 130-260% CTR	0.435 x 0.210	H11A817B	QT Optoelectronics
1	U11	TLV431A	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	SOT23-5	TLV431ACDBV5	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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