

Filename: PMP5702REVA_BILLOFMATERIALS_bom.xls						
Date: 05/06/2011						
PMP5702REVA_BILLOFMATERIALS BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C3	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C4	560pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C9	220pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C11	330pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C12	47nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
1	C13	100pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
3	C1 C5-6	270uF	Capacitor, Alum, 270uF, 50V, 30 milliohm, 1.58Arms	0.315 inch	50ZL270M10X20	Rubycon
2	C2 C7	4.7uF	Capacitor, Ceramic, 4.7uF, 50V, X7R	1210	C3220X7R1H475M	TDK
2	C8 C10	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	std	TDK
1	D1	MBR1045	Diode, Schottky, 10A, 45-V	TO-220	MBR1045	On Semi
1	D101	18V	Diode, Zener, 18V	SOD-323	MMSZ5248BT1	Diodes
1	D102	4.7V	Diode, Zener, 4.7V	SOD-323	MMSZ5230BT1	Diodes
1	HS1	SK 437 35 STC 2	Heatsink, TO-220/218 veritcal, Rth 18K/W	0.640 x 0.640 inch	SK 437 35 STC 2 THF 409 220 2	Fischer Elektronik
2	J1-2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	22uH	Inductor, SMT, 6A, 26-milliohms	0.543 x 0.516 inch	HC9-220-R	Cooper
1	Q1	SiR836DP	MOSFET, NCh, 40V, 19milliOhm, 18nC	PWRPAK S0-8	SiR836DP	Vishay
1	Q101	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	On Semi
1	R1	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	249K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	0.01	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	2.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R101-102	20K	Resistor, Chip, 1/16W, 1%	0805	Std	Std
1	R103	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R104	249K	Resistor, Chip, 1/16W, 1%	0805	Std	Std
2	R4 R11	10	Resistor, Chip, 1/4W, 1%	1206	Std	Std
2	R7-8	88.7K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	TP1	VIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP3	VOUT	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	SW	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2 TP5	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP7-8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone

1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	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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