

Filename: PMP7051REVD_BILLOFMATERIALS_bom.xls						
Date: 11/21/2011						
PMP7051REVD_BILLOFMATERIALS BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C5	100pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H101J	TDK
1	C6	220nF	Capacitor, Ceramic, 25V, X5R, 20%	0603	C1608X5R1E224M	TDK
1	C7	0.1uF	Capacitor, Ceramic, 50V, X5R, 20%	0603	C1608X5R1H104M	TDK
1	C8	1nF	Capacitor, Ceramic, 50V, X5R, 20%	1210	C3225X5R1H102M	TDK
1	C12	33nF	Capacitor, Ceramic, 50V, X5R, 10%	0603	C1608X5R1H333K	TDK
1	C13	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0805	C2012X5R1E105M	TDK
1	C14	47nF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H472J	TDK
1	C18	1uF	Capacitor, Ceramic, 25V, X7R, 20%	0805	C2012X7R1E105M	TDK
1	C19	1uF	Capacitor, Ceramic, 50V, X7R, 20%	1206	C3216X7R1H105M	TDK
1	C20	470pF	Capacitor, Ceramic, 50V, C0G	0603	C1608C0G1H470J	TDK
1	C21	5.6nF	Capacitor, Ceramic, 50V, X5R, 20%	0603	C3225X5R1H562M	TDK
1	C22	100nF	Capacitor, Ceramic, 50V, X5R, 20%	0603	C1608X5R1H104M	TDK
6	C11 C15-17 C9-10	22uF	Capacitor, Ceramic, 25V, 10%, X7R	1210	GRM32ER71E226KE15L	Murata
6	C1-3 C101-103	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	C3225X7R1H475	TDK
1	D2	B340A	Diode, Schottky, 3-A, 40-V	SMA	B340A-13-F	Diodes
2	J1-2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	4.7uH	Inductor, SMT, 18-Asat, 1.82-milliohmmax	0.790 x 0.770 inch	SER2013-472MLD	Coilcraft
2	Q1-2	BSC059N04LS_G	MOSFET, NChannel, 40V, 16A, 5.9mOhm	PWRPAK S0-8	BSC059N04LS_G	Infineon
1	R1	158k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	14.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	124k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R8	1.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	2.2	Resistor, Chip, 1/8W, 5%	1210	Std	Std
1	R11	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	487	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R6-7 R9	0	Resistor, Chip, 1/10W, 5%	0805	Std	Std
7	TP1 TP3-6 TP9-10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone

3	TP7-8 TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40055PWP	IC, Wide Input Sync Buck Ctrl, 10-40 V Input	PWP16	TPS40055PWP	Texas Instruments
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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