

Filename: PMP2743REVB_bom.xls						
Date: 02/04/2009						
PMP2743REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
4	C1	4.7uF	Capacitor, X7R, 50V, 15%	1210	Std	std
1	C4	0.1u	Capacitor, Ceramic, 50V, X7R, 10%	0603	std	std
	C5	4.7uF	Capacitor, X7R, 50V, 15%	1210	Std	std
	C6	4.7uF	Capacitor, X7R, 50V, 15%	1210	Std	std
1	C7	220n	Capacitor, Ceramic, 16V, X7R, 10%	0603	std	std
1	C8	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
1	C9	470pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C10	1.2n	Capacitor, Ceramic, 50V, X7R [tol]	0603	std	std
1	C11	100pF	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std
	C100	4.7uF	Capacitor, X7R, 50V, 15%	1210	Std	std
1	D1	MBRF10L60CT	Diode, Dual Schottky, 10A, 60V	TO220	MBRF10L60CT	On Semi
2	D2	24V	Diode, Zener, 24-V, yy-mA, 225-mW, q%	SOT23	MMBZ5252BLT1	ON SEMI
	D3	24V	Diode, Zener, 24-V, yy-mA, 225-mW, q%	SOT23	MMBZ5252BLT1	ON SEMI
2	HS1	619453B00250	Heatsink,	0.530 x 2.500 inch	619453B00250	Thermalloy
	HS2	619453B00250	Heatsink,	0.530 x 2.500 inch	619453B00250	Thermalloy
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L2	47uH	Inductor, SMT High Current, 4.5A, zzmilliohm	0.543 x 0.516 inch	HC9-470-R	Cooper
1	Q1	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	Q2	MMBT2907	Bipolar, PNP, 60V, 600mA	SOT23	MMBT2907LT1	On Semiconductor
1	Q3	SiHFIZ24G	MOSFET, N-ch, 60-V, 10-A, 100-milliOhms, 25-nC	TO-220V	STD	STD
1	R2	249k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R3	0.39	Resistor, Chip, 1/2W, 1%	1812	Std	Std
1	R4	1.21k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	0.01	Resistor, Chip, 1W, 5%	2512	STD	STD
1	R6	10k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R7	49.9k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std
2	TP1	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
3	TP2	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone

	TP6	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	U1	TPS40211DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40211DGS	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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