

Filename: PMP2602REVB_bom.xls						
Date: 03/25/2008						
<b>PMP2602REVB BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C1	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
1	C2	100uF	Capacitor, Aluminum, 100-μF, 63-V, 20%	0.457 x 0.406	EEVFK1J101P	Panasonic
	C3	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C4	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
1	C5	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	2.2nF	Capacitor, Ceramic, 2.2nF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	22pF	Capacitor, Ceramic, 22-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C8	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
2	C9	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
	C10	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
3	C11	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
	C12	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
1	C13	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C14	0.22uF	Capacitor, Ceramic, 0.22-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C15	560pF	Capacitor, Ceramic, 560pF, 50-V, X7R, 15%	0603	Std	TDK
	C101	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
1	D1	B240	Diode, Schottky, 2000-mA, 40-V	SMC	xxxxxxx	XXX
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	OPEN	Inductor, SMT, xx-uH, yy-A, zz-milliohm	0.88x0.64	DO5022HC-xxx	Coilcraft
1	L2	47uH	Inductor, Power, 47uH, yy-A, xx-milliohm	0.484 x 0.484 inch	MSS1278-683X_	Coilcraft
1	Q1	Si9407BDY	MOSFET, PChan, -60V, -4A, 120milliohm	S0-8	Si9407BDY	Vishay
1	Q2	FDC5614P	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
1	R1	68.1K	Resistor, Chip, 68.1K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.05	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std

1	R5	48.7K	Resistor, Chip, 48.7K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	68.1	Resistor, Chip, 68.1-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	46.4K	Resistor, Chip, 46.4K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	2.87K	Resistor, Chip, 2.87K-Ohms, 1/16-W, 1%	0603	Std	Std
6	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
3	TP2		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP3		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP4		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP5		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP6		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP7		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP8		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP9		Test Point, Red, 1mm	0.038	240-345	Farnell
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	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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