

Filename: PMP2604REVA_bom.xls						
Date: 03/26/2008						
PMP2604REVA BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
6	C1	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
2	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
2	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
2	C8	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C9	100uF	Capacitor, Aluminum, 100uF, 140milliOhm, 35V, ±20%	0.260 x 0.276 inch	CUSTOMER	CUSTOMER
2	C10	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
4	C11	10uF	Capacitor, Ceramic, 10-uF, 16-V, X5R, 15%	1210	Std	TDK
	C12	10uF	Capacitor, Ceramic, 10-uF, 16-V, X5R, 15%	1210	Std	TDK
2	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	680pF	Capacitor, Ceramic, 680pF, 50-V, X7R, 15%	0603	Std	TDK
	C21	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C22	100uF	Capacitor, Aluminum, 100-μF, 63-V, 20%	0.457 x 0.406	EEVFK1J101P	Panasonic
	C23	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C24	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C25	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C26	4.7nF	Capacitor, Ceramic, 4.7nF, 50-V, X7R, 15%	0603	Std	TDK
1	C27	56pF	Capacitor, Ceramic, 56-pF, 50-V, X7R, 15%	0603	Std	TDK
	C28	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C29	100uF	Capacitor, Aluminum, 100uF, 100milliOhm, 10V, ±20%	0.260 x 0.276 inch	CUSTOMER	CUSTOMER
	C210	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
	C211	10uF	Capacitor, Ceramic, 10-uF, 16-V, X5R, 15%	1210	Std	TDK
	C212	10uF	Capacitor, Ceramic, 10-uF, 16-V, X5R, 15%	1210	Std	TDK

	C213	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C214	1uF	Capacitor, Ceramic, 1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C215	1nF	Capacitor, Ceramic, 1nF, 50-V, X7R, 15%	0603	Std	TDK
1	D1	B240	Diode, Schottky, 2-A, 40-V	SMC	B240	Diodes
1	D21	B360	Diode, Schottky, 3-A, 60-V	SMC	B360	Diodes
4	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
	J21	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J22	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
2	L1	OPEN	Inductor, SMT, xx-uH, yy-A, zz-milliohm	0.88x0.64	DO5022HC-xxx	Coilcraft
1	L2	47uH	Inductor, SMT, 2.5A, 76-milliohm	0.485 sq inch	CDRH127-470	Sumida
	L21	OPEN	Inductor, SMT, xx-uH, yy-A, zz-milliohm	0.88x0.64	DO5022HC-xxx	Coilcraft
1	L22	22uH	Inductor, SMT, 3.6A, 32-milliohm	0.485 sq inch	CDRH127-220	Sumida
2	Q1	Si9407BDY	MOSFET, PChan, -60V, -4A, 120milliohm	S0-8	Si9407BDY	Vishay
2	Q2	FDC5614P	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
	Q21	Si9407BDY	MOSFET, PChan, -60V, -4A, 120milliohm	S0-8	Si9407BDY	Vishay
	Q22	FDC5614P	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
2	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
2	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
2	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	63.4K	Resistor, Chip, 63.4K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	287	Resistor, Chip, 287-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	46.4K	Resistor, Chip, 46.4K-Ohms, 1/16-W, 1%	0603	Std	Std
2	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
	R21	68.1K	Resistor, Chip, 68.1K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R22	0.03	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
	R23	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
	R24	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R25	21.5K	Resistor, Chip, 21.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R26	316	Resistor, Chip, 316-Ohms, 1/16-W, 1%	0603	Std	Std

1	R27	22.6K	Resistor, Chip, 22.6K-Ohms, 1/16-W, 1%	0603	Std	Std
	R28	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R29	3.65K	Resistor, Chip, 3.65K-Ohms, 1/16-W, 1%	0603	Std	Std
12	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
6	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
	TP21		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP22		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP23		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP24		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP25		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP26		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP27		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP28		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP29		Test Point, Red, 1mm	0.038	240-345	Farnell
2	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
	U21	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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