

Filename: PMP2601REVB_bom.xls						
Date: 04/29/2008						
PMP2601REVB BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
9	C1	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
3	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
6	C5	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	22nF	Capacitor, Ceramic, 10nF, 50-V, X7R, 15%	0603	Std	TDK
1	C7	390pF	Capacitor, Ceramic, 68-pF, 50-V, X7R, 15%	0603	Std	TDK
5	C8	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
6	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
2	C11	OPEN	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
2	C12	100uF	Capacitor, Ceramic, 100-uF, 6.3-V, X5R, 15%	1210	Std	TDK
3	C13	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
	C14	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C15	10nF	Capacitor, Ceramic, 6.8nF, 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	33nF	Capacitor, Ceramic, 10nF, 50-V, X7R, 15%	0603	Std	TDK
1	C27	820pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
	C28	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
	C29	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
	C31	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C32	100uF	Capacitor, Aluminum, 100-μF, 63-V, 20%	0.457 x 0.406	EEVFK1J101P	Panasonic
	C33	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK
	C34	3.3uF	Capacitor, Ceramic, 3.3-uF, 50-V, X7R, 15%	1210	Std	TDK

	C35	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C36	4.7nF	Capacitor, Ceramic, 4.7nF, 50-V, X7R, 15%	0603	Std	TDK
1	C37	150pF	Capacitor, Ceramic, 68-pF, 50-V, X7R, 15%	0603	Std	TDK
	C38	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
	C39	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
	C210	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
	C211	OPEN	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
	C212	100uF	Capacitor, Ceramic, 100-uF, 6.3-V, X5R, 15%	1210	Std	TDK
	C213	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
	C214	0.1uF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C215	10nF	Capacitor, Ceramic, 5.6nF, 50-V, X7R, 15%	0603	Std	TDK
	C2901	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
	C310	OPEN	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 inch	EEVFK0J221D	Panasonic
2	C311	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
	C312	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
	C313	470pF	Capacitor, Ceramic, 470-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C314	0.22uF	Capacitor, Ceramic, 0.22-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C315	820pF	Capacitor, Ceramic, 1.8nF, 50-V, X7R, 15%	0603	Std	TDK
	C3901	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
	C901	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
3	D1	B340	Diode, Schottky, 3000-mA, 40-V	SMC	xxxxxxx	XXX
	D21	B340	Diode, Schottky, 3000-mA, 40-V	SMC	xxxxxxx	XXX
	D31	B340	Diode, Schottky, 3000-mA, 40-V	SMC	xxxxxxx	XXX
6	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
	J31	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
	J32	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	100uH	Inductor, SMT, 0.65A, 358milliohm	0.287 x 0.287 inch	MSS7341-104X_	Coilcraft
1	L2	OPEN	Inductor, Power, 47uH, yy-A, xx-milliohm	0.484 x 0.484 inch	MSS1278-683X_	Coilcraft
2	L21	OPEN	Inductor, SMT, 0.65A, 358milliohm	0.287 x 0.287 inch	MSS7341-104X_	Coilcraft
2	L22	56uH	Inductor, Power, 56uH, 4-A, 90-milliohm	0.484 x 0.484 inch	MSS1278-563X_	Coilcraft
	L31	OPEN	Inductor, SMT, 0.65A, 358milliohm	0.287 x 0.287 inch	MSS7341-104X_	Coilcraft

	L32	56uH	Inductor, Power, 56uH, 4-A, 90-milliohm	0.484 x 0.484 inch	MSS1278-563X_	Coilcraft
3	Q1	Si4447DY	MOSFET, P-Ch, -40V, -4A, 54milliOhm, 14nCmax	SOP-8	Si4463DY	Vishay
3	Q2	OPEN	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
	Q21	Si4447DY	MOSFET, P-Ch, -40V, -4A, 54milliOhm, 14nCmax	SOP-8	Si4463DY	Vishay
	Q22	OPEN	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
	Q31	Si4447DY	MOSFET, P-Ch, -40V, -4A, 54milliOhm, 14nCmax	SOP-8	Si4463DY	Vishay
	Q32	OPEN	Transistor, MOSFET, Pch, -3A, -60V, 105 milliohm	SuperSOT-6	FDC5614P	Fairchild
	Q2901	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
	Q2902	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
	Q3901	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
	Q3902	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
6	Q901	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
	Q902	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
3	R1	84.5K	Resistor, Chip, 84.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.1	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
3	R4	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	5.62K	Resistor, Chip, 18.7K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	215	Resistor, Chip, 37.4-Ohms, 1/16-W, 1%	0603	Std	Std
2	R7	10K	Resistor, Chip, 10K-Ohms, 1/16-W, 1%	0603	Std	Std
3	R8	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	2.67K	Resistor, Chip, 2.67K-Ohms, 1/16-W, 1%	0603	Std	Std
	R21	84.5K	Resistor, Chip, 84.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R22	0.047	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	3.3K	Resistor, Chip, 14K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R26	249	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
	R27	10K	Resistor, Chip, 10K-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	1.62K	Resistor, Chip, 1.62K-Ohms, 1/16-W, 1%	0603	Std	Std
	R31	84.5K	Resistor, Chip, 84.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R32	0.03	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
1	R33	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std

	R34	0	Resistor, Chip, 0-Ohms, 1/16-W, 1%	0603	Std	Std
1	R35	6.81K	Resistor, Chip, 20.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R36	57.6	Resistor, Chip, 36.5-Ohms, 1/16-W, 1%	0603	Std	Std
1	R37	22.1K	Resistor, Chip, 22.1K-Ohms, 1/16-W, 1%	0603	Std	Std
	R38	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std
1	R39	1.37K	Resistor, Chip, 1.37K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2901	1k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
	R2902	10k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
	R3901	1k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
	R3902	10k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
2	R901	1k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
3	R902	10k	Resistor, Chip, 1/16W, 1k, 5%	0603	Std	Std
18	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
9	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
	TP31		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP32		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP33		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP34		Test Point, Red, 1mm	0.038	240-345	Farnell

	TP35		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP36		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP37		Test Point, Black, 1mm	0.038	240-333	Farnell
	TP38		Test Point, Red, 1mm	0.038	240-345	Farnell
	TP39		Test Point, Red, 1mm	0.038	240-345	Farnell
3	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
	U21	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI
	U31	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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