

Filename: PMP4575REVB_bom.xls							
Date: 05/20/2009							
<b>PMP4575REVB BOM</b>							
COUNT	RefDes	Value	Description	Size	Part Number	MFR	AREA
4	C2	10uF	Capacitor, Ceramic, 10uF, 25V, BJ M	1210	C3225JB1E106	TDK	83,600
	C3	10uF	Capacitor, Ceramic, 10uF, 25V, BJ M	1210	C3225JB1E106	TDK	83,600
	C4	10uF	Capacitor, Ceramic, 10uF, 25V, BJ M	1210	C3225JB1E106	TDK	83,600
	C5	10uF	Capacitor, Ceramic, 10uF, 25V, BJ M	1210	C3225JB1E106	TDK	83,600
2	C6	0.1uF	Capacitor, Ceramic, 50V, BJ, 20%	0805	Std	Std	10560
1	C7	330uF	Capacitor, PS, 330-uF, 2.5-V, 15-milliohm, 20%	7343 (D)	2R5TPE330MF	SANYO	62100
	C11	0.1uF	Capacitor, Ceramic, 50V, BJ, 20%	0805	Std	Std	10560
1	C14	330uF	Capacitor, PS, 330-uF, 2.5-V, 18-milliohm, 20%	7343 (D)	2R5TPE330MI	SANYO	62100
1	C15	4.7uF	Capacitor, Ceramic, 6.3V, BJ, 20%	0805	Std	Std	10560
1	C16	1uF	Capacitor, Ceramic, 6.3V, BJ, 20%	0805	Std	Std	10560
1	C17	18pF	Capacitor, Ceramic, 50V, Std, 20%	0603	Std	Std	5650
2	L1	2.2uH	Inductor, 14.2A, 4.5-milliohm	0.496 x 0.532 inch	FDA1254-2R2M	Toko	316.652
	L2	2.2uH	Inductor, 14.2A, 4.5-milliohm	0.496 x 0.532 inch	FDA1254-2R2M	Toko	316.652
2	Q1	CSD16410Q5A	MOSFET, N-Chan, 25V, 59A, 9.6 milli-ohm	QFN-8 POWER	CSD16410Q5A	Ciclon	86800
2	Q2	CSD16404Q5A-R	MOSFET, NChan, 25V, 20A, 4.1milliOhm	QFN5X6mm	CSD16404Q5A-R	Ciclon	86800
	Q3	CSD16410Q5A	MOSFET, N-Chan, 25V, 59A, 9.6 milli-ohm	QFN-8 POWER	CSD16410Q5A	Ciclon	86800
	Q4	CSD16404Q5A-R	MOSFET, NChan, 25V, 20A, 4.1milliOhm	QFN5X6mm	CSD16404Q5A-R	Ciclon	86800
2	R1	100K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
3	R2	3.3	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
2	R3	28.7K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
2	R4	75K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R5	28.7K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R6	75K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R7	100K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
2	R8	6.8K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R9	3.3	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R10	3.3	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
	R11	6.8K	Resistor, Chip, 1/10W, 1%	0805	Std	Std	10560
2	TP1	LC-2-S	Pin, Probe monitor	0.12(D) X 0.4 inch	LC-2-S	MAC8	12.1
	TP2	LC-2-S	Pin, Probe monitor	0.12(D) X 0.4 inch	LC-2-S	MAC8	12.1
1	U1	TPS51124RGE	IC, Dual Synchronous Step-Down Controller For Low-Voltage Power Rails	QFN-24	TPS51124RGE	TI	57.6
	V5IN_GND7	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
7	V5IN7	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
	VIN_GND7	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
	VIN7	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
	VO1	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
	VO2	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500
1	VO1_GND7	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	MAC8	22,500
	VO2_GND2	3138-2	Pin, Wiring Terminal	0.09(D) X 0.31 inch	3138-2-00-15-00-00-080	Mill Max	22,500

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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