

Filename: PMP4502REVB_bom.xls							
Date: 02/09/2009							
PMP4502REVB BOM							
COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C1	470p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C2	220n	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	std	5650
1	C3	10p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C4	15n	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C5	100n	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C7	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
2	C8	4.7uF	Capacitor, Ceramic, 50V, X7R	1210	Std	Kemet, Murata, AVX	83,600
1	C9	330p	Capacitor, Ceramic, vV, [temp], [tol]	0603	std	std	5650
	C10	4.7uF	Capacitor, Ceramic, 50V, X7R	1210	Std	Kemet, Murata, AVX	83,600
2	C11	2.2uF	Capacitor, Ceramic, 100V, X7R, 20%	1210	Std	std	83,600
	C12	2.2uF	Capacitor, Ceramic, 100V, X7R, 20%	1210	Std	std	83,600
2	C13	56u	Capacitor, Aluminum Electrolytic, 63V	0.315 inch	63ZL56M8x11.5	Rubycon	94,025
	C14	56u	Capacitor, Aluminum Electrolytic, 63V	0.315 inch	63ZL56M8x11.5	Rubycon	94,025
1	C27	220uF	Capacitor, Aluminum, 220uF, 50V, 0.042 Ohms	0.315	050ZL220uF20%10X16	Rubycon	94,025
1	D1	MBRS360	Diode, 3A, 60V	SMC	MBRS460	Onsemi	95000
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST	141600
1	L1	68u	Inductor, SMT, 3.4-A, 91.3-milliohm	0.484 x 0.484 inch	MSS1278-683MLD	Coilcraft	269,336
1	Q1	Si7308DN	MOSFET, Fast Switching, NChan, 60V, 6A, 59millohm	PWRPAK 1212	Si7110DN	Vishay	27200
1	R1	249k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	165k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	2.00k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	137k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R6	10	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R7	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R9	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R11	0.047	Resistor, Chip, 1W, 5%	2512	std	STD	35100
3	TP1	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
2	TP2	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	
1	TP4	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
	TP10	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	
	TP11	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	
1	U1	TPS40210DGQ	IC, Low Cost Non-Synchronous Boost Controller	DGQ10	TPS40210DGQ	TI	26780
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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