

Filename: PMP4524REVC_bom.xls							
Date: 03/25/2009							
PMP4524REVC BOM							
COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
2	C1	10uF	Capacitor, Ceramic, 25V, X7R	1210	Std	Kemet, Murata, AVX	83,600
	C2	10uF	Capacitor, Ceramic, 25V, X7R	1210	Std	Kemet, Murata, AVX	83,600
1	C3	100n	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
2	C4	4.7uF	Capacitor, Ceramic, 50V, X7R	1210	Std	Kemet, Murata, AVX	83,600
	C5	4.7uF	Capacitor, Ceramic, 50V, X7R	1210	Std	Kemet, Murata, AVX	83,600
2	C6	100p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C7	100n	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	std	5650
1	C8	330p	Capacitor, Ceramic, vvV, [temp], [tol]	0603	std	std	5650
1	C9	1n	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C10	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
	C11	100p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C12	10n	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C13	560pF	Capacitor, Ceramic, Low Inductance, 50V	0603	std	std	5650
1	D1	MBRS360	Diode, 3A, 60V	SMC	MBRS360	Onsemi	95000
1	D2	39V	Diode, Zener, 39-V, yy-mA, 225-mW, q%	SOT23	MMBZ5259BLT1	ON SEMI	13419
2	D3	1N4148W	Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	1N4148W	Diodes	13300
	D4	1N4148W	Diode, Signal, 300-mA, 75-V, 350-mW	SOD-123	1N4148W	Diodes	13300
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	J3	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	100
1	L1	10uH	Inductor, 10.2uH, 4Amps, 13.3milliOhm	0.504 x 0.504 inch	ETQP6F102HFA	Panasonic	305,929
1	Q1	Si7308DN	MOSFET, Fast Switching, NChan, 60V, 6A, 59milliohm	PWRPAK 1212	Si7110DN	Vishay	27200
1	Q2	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002	Diodes	14105
1	Q3	Si7850DP	MOSFET, NChannel, 60V, 10.3 A, 0.022 millohm	PWRPAK S0-8	Si7850DP	Vishay	85057
1	R1	10	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	402k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R4	0.75	Resistor, Metal Film, 1/4 watt, ± 1%	1206	std	std	20,000
1	R5	OPEN	Resistor, Metal Film, 0.75 Ohm, 1/4 watt, ± 1%	1206	std	std	20,000
1	R6	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R7	0.02	Resistor, Metal Film, 1/4 watt, ± 1%	1206	std	std	20,000
1	R8	14.3k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R9	30.1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R11	15k	Resistor, Chip, 1/16W, x%	0603	Std	Std	5,650

1	R12	10k	Resistor, Chip, 1/16W, 5%	0603	Std	Std	5,650
1	R13	2.49	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
2	TP1	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	10
3	TP2	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone	10
1	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP6	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
2	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP8	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP9	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone	10
1	U1	TPS40211DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40211DGQ	TI	38400
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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