

Filename: PMP4504REVA_bom.xls						
Date: 02/04/2009						
	PMP4504REVA BOM					
COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK
1	C2	100nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	C1608X7R1C104K	TDK
2	C3	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1210	C3225X5R0J107K	TDK
	C4	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	1210	C3225X5R0J107K	TDK
2	C5	OPEN	Capacitor, Ceramic, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
	C6	OPEN	Capacitor, Ceramic, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
2	C7	4.7uF	Capacitor, Ceramic, 50V, 3.3-uF, X7R, 15%	1210	C3225X7R1H335K	TDK
	C8	4.7uF	Capacitor, Ceramic, 50V, 3.3-uF, X7R, 15%	1210	C3225X7R1H335K	TDK
1	C9	22pF	Capacitor, Ceramic, 50V, NP0/C0G	0603	Std	TDK
1	C10	22nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	C12	15nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK
2	C13	.1uF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
	C14	.1uF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
1	D2	MBRS240	Diode, Schottky, 2-A, 60-V	SMB	MBRS260	ONsemi
2	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	1uH	Inductor, SMT, 10A, 10-milliohm	0.300 sq"	DR74-1R0	Coiltronics
1	L2	22uH	Inductor, SMT, 1.7A, 82milliohms	0.287 x 0.287 inch	MSS7341-xxxX_	Coilcraft
1	R1	34.8K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	OPEN	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R3	110K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	31.6K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	6.04K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	287K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	20.5K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	OPEN	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS54140DGQ	IC, DC-DC Converter With Eco-Mode, 1.5A, 42V	MSOP-10	TPS54140DGQ	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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