Filename: PMP4560REVB_bom.xls

Date: 06/05/2009

PMP4560REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	4.7uF	Capacitor, Ceramic, 4.7-uF, 50-V, X7R, 15%	1210	Std	TDK
1	C2	47uF	Capacitor, Aluminum, 50V, 20%	0.328 x 0.354 inch	EEVFK1H470P	Panasonic
2	C5	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C6	6.8nF	Capacitor, Ceramic, 6800-pF, 50-V, X7R, 15%	0603	Std	TDK
	C7	100pF	Capacitor, Ceramic, 100-pF, 50-V, X7R, 15%	0603	Std	TDK
5	C8	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
	C11	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C12	22uF	Capacitor, Ceramic, 22-uF, 16-V, X5R, 15%	1210	Std	TDK
1	C13	270pF	Capacitor, Ceramic, 270-pF, 50-V, X7R, 15%	0603	Std	TDK
	C14	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	C15	1.5nF	Capacitor, Ceramic, 1500-pF, 50-V, X7R, 15%	0603	Std	TDK
1	C101	1nF	Capacitor, Ceramic, 1nF, 50-V, X7R, 15%	0603	Std	TDK
1	C102	t.b.d.	Capacitor, Ceramic, 1nF, 50-V, X7R, 15%	0603	Std	TDK
	C103	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
	C104	100nF	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 15%	0603	Std	TDK
1	D1	B130	Diode, Schottky, 1000-mA, 30-V	SMA	B130	Diodes Inc.
1	D2	LCW W5AM	Diode. LED, white, 3.4-V, -2 mV/C, SM	Batwing Style	LW W5SG	Osram
2	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
1	L2	100uH	Inductor, SMT, 0.54A, 358milliohms	0.287 x 0.287 inch	MSS7341-104MLD	Coilcraft
1	L100	10uH	Inductor, SMT, 560mA, 330milliohm	0.130 x 0.130 inch	LPS3314-103MLC	Coilcraft
1	Q2	FDC654P	MOSFET, P-ch, -30-V, 3.6-A, 75-milliOhms	Micro6		
1	R1	68.1K	Resistor, Chip, 68.1K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	0.22	Resistor, Chip, 1/8W, 1%	1206	CRCW1206-xxxx-F	Vishay
1	R3	1.0K	Resistor, Chip, 2.2-Ohms, 1/16-W, 1%	0603	Std	Std
1	R4	3.3	Resistor, Chip, 3.3-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	16.2K	Resistor, Chip, 16.2K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	1.5K	Resistor, Chip, 1.5K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	100K	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 49.9-Ohms, 1/16-W, 1%	0603	Std	Std

1	R9	OPEN	Resistor, Chip, -Ohms, 1/16-W, 1%	0603	Std	Std
1	R100	3.48	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R101	t.b.d.	Resistor, Chip, 1/16W, x%	0805	Std	Std
1	S100	KSC441J	Switch, Momentary, Sealed Tact, 32V, 2x50mA	0.394 x 0.260 inch	KSC441J	ITT
6	TP1		Test Point, Red, 1mm	0.038	240-345	Farnell
3	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
1	U1	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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