

Filename: PMP5602 REV_B_bom.xls

Date: 11/23/2010

PMP5602 REV_B BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
1	C1	220p	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std	5650
1	C2	0.47u	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	std	5650
1	C3	220p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C4	2.2nF	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C5	0.1u	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	std	5650
1	C6	dnp	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	std	5650
1	C7	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
2	C8	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std	83,600
1	C9	220p	Capacitor, Ceramic, vvV, [temp], [tol]	0603	std	std	5650
	C10	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Std	83,600
1	C27	220uF	Capacitor, multi pattern, SM 1210 to E case + F THole	12.5mm	EKZE800ESS221MK20S	Nippon Chemi-Con	214,008
1	C100	470u	Capacitor, multi pattern, SM 1210 to E case + F THole	0.492 inch	EGXE500ESS471MK25S	Nippon Chemi-Con	214,008
1	D2	5.1V	Diode, Zener, 5.1-V, 225-mW, 5%	SOT23	Std	Std	13419
1	D100	MBRS3100T3	Diode, Schottky 3-A 100-V	SMC	MBRS3100T3	On Semi	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	L100	10 uH	Inductor, Low Profile High Current, 14A, ±20%	0.51 x 0.52 inch	IHLP5050CEER10RM01	Vishay	313200
1	Q3	SQJ456EP	MOSFET, Automotive, NCh, 100V, 32A, 26 millohm	PWRPAK S0-8	SQJ456EP	Vishay-Siliconix	85057
1	Q100	FMMT593	Transistor, PNP High-Voltage, VCE -100V, 1A	SOT23	FMMT593	Diodes	14105
1	R1	301k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R2	56.2k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R3	1.62k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R4	dnp	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	10k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
2	R6	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
	R7	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R11	0.005	Resistor, Chip, 1/2W, yy%	2010	STD	STD	30800
1	R101	56.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
2	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	
1	U1	TPS40210DGS	IC, Low Cost Non-Synchronous Boost Controller	DGS10	TPS40210DGS	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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