

Filename: PMP5578REVA_bom.xls

Date: 09/06/2010

PMP5578REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
6	C2	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
	C3	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
	C4	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
	C5	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
	C6	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
1	C7	470pF	Capacitor, Ceramic, 50V, X7R, 15%	0805	Std	Std
8	C8	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C9	22uF	Capacitor, Ceramic, 25V, X5R, 15%	1210	Std	Std
	C10	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
1	C11	1uF	Capacitor, Ceramic, 25V, X7R, 15%	0805	Std	Std
	C12	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C13	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C14	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
2	C15	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	Std
1	C16	330pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C17	10nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
	C18	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	Std
1	C19	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C20	220pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	std
	C21	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C22	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C100	4.7uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
1	D1	MBRB2545CT	Diode, Dual Schottky, 30A, 45V	D2PAK	MBRB2545CT	On Semi
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	10uH	Inductor, SMT Power, 1.65mOhm, 13A sat, 20A rms	1.100 x 1.100 inch	SER2915L-103KL	Coilcraft
1	Q2	SiR426DP	MOSFET, NChan, 40V, 12.8A, 10.5millohm	PWRPAK S0-8	SiR426DP	Vishay-Siliconix
1	R1	4.7	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	182k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	1	Resistor, Chip, 1/2W, 5%	2010	Std	Std

1	R4	1.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0.01	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R6	4.64k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	66.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	2.43k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	TP1	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
2	TP2	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
	TP5	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
	TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
2	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	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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