

Filename: PMP5583REVA_bom.xls

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PMP5583REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
8	C1	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
	C2	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
	C3	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
1	C5	100pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C6	220nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
3	C7	100nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
1	C8	1nF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
	C9	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
	C10	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
1	C12	33nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
1	C13	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0805	Std	Std
1	C14	22nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
	C15	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
	C16	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
	C17	4.7uF	Capacitor, Ceramic, 50V, X7R, 20%	1210	Std	Std
1	C19	1uF	Capacitor, Ceramic, 50V, X7R, 20%	1206	Std	Std
1	C20	680pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
1	C21	3.3nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
	C22	100nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
	C50	100nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
1	D2	MBRS360T3	Diode, Schottky, 3A, 60V	SMC	MBRS340T3	On Semi
1	D50	BAT54	Diode, Schottky, 200mA, 30V	SOT23	BAT54	Vishay-Liteon
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	10uH	Inductor, SMT, 14mOhm, 8.5A rms, 8.6A sat	0.543 x 0.516 inch	HC9-100-R	Coiltronics
2	Q1	SiR422DP	MOSFET, NChannel, 40V, 40A, 6.6mOhm	PWRPAK S0-8	SiR422DP	Vishay
	Q2	SiR422DP	MOSFET, NChannel, 40V, 40A, 6.6mOhm	PWRPAK S0-8	SiR422DP	Vishay
1	R2	9.76k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	261k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 5%	0603	Std	Std

2	R6	1	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R7	3.3	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R8	1.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	1	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R10	1	Resistor, Chip, 1/8W, 5%	1210	Std	Std
1	R11	237	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	301	Resistor, Chip, 1/10W, 5%	0805	Std	Std
1	R14	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R50	5.1k	Resistor, Chip, 1/2W, 1%	TH-600	Std	Std
1	R51	5.00k	Resistor, $\pm 1\%$	0.177 x 0.177 inch	Std	Std
7	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP10	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40056PWP	IC, Wide-Input Synchronous, Tracking Buck Controller	PWP16	TPS40056PWP	Texas Instruments

- 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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