

Filename: PMP5265_REVA_bom.xls

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bold red: updated in Test

PMP5265_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
4	C1, C4, C5, C6	2.2uF	Capacitor, Ceramic, 100V, X7R, 15%	1210	C3225X7R2A225MT	TDK
1	C11	0.018uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	std
1	C12	47pF	Capacitor, Ceramic, 50V, COG, 15%	0603	std	std
1	C2	0.33uF	Capacitor, Ceramic, 50V, X5R, 15%	0805	Std	TDK
1	C3	0	Resistor, zero ohms, 1/2W, 5%	1210	Std	Std
1	C7	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std
2	C8, C10	270pF	Capacitor, Ceramic, 50V, NPO, 5%	0603	std	std
1	C9	0.22uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	std	std
1	D1	27V	Diode, Zener, 27V, 410mW	SOD-123	BZT52C27-7	Diodes, Inc.
1	D2	MBRS3100	Diode, Schottky, 3-A, 100-V	SMC	MBRS3100	On Semi
2	J1, J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	47uHy	Inductor, SMT, 1.9A, 0.128 ohm	10.5x10.3x4mm	CDRH104RNP-470N	Sumida
1	Q1	SUD06N10-225L	MOSFET, N-ch, 100-V, 6-A, 200-milliOhms	DKPAK	SUD06N10-225L	Vishay
1	R1	10	Resistor, Chip, 1/16W, 5%	0603	std	std
1	R100	4.99k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R2	205k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R3	0	Resistor, Chip, 1/16W, 5%	0603	std	std
1	R4	1k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R5	0.05	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R6	10k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R7	133k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R8	2k	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R9	1.47k	Resistor, Chip, 1/16W, 1%	0603	std	std
2	TP1, TP3	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
3	TP2, TP5, TP8	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP6, TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40210	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
1	--		PCB, 2.2 In x 1.9 In x 0.063 In		PMP4239	Any

- 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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