

Filename: PMP5665REVA - BOM_bom.xls

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PMP5665REVA - BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C4	10uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	Std	Std
1	C7	2.2uF	Capacitor, Ceramic, 50V, X7R, 10%	1206	Std	Std
1	C10	1uF	Capacitor, Ceramic, 25V, X7R, 10%	0805	Std	Std
1	C11	68pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C13	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	470nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
3	C1-3	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	Std	Std
2	C6 C12	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C8-9	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	Std	Std
1	D3	BAT54C	Diode, Dual Schottky, 200mA, 30V	SOT23	BAT54C	Vishay
1	D4	MBRS260T3G	Diode, Schottky, 2A, 60V	SMB	MBRS260T3G	OnSemi
1	D7	BZX84C39	Diode, Zener, 39V, 225mW	SOT-23	BZX84C39	Vishay
4	D1-2 D5-6	B340A	Diode, Schottky, 3A, 40V	SMA	B340A	Vishay
2	J1 J3	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	10uH	Inductor, SMT, 100mOhm, 2.3A sat, 1.28A rms	0.236 x 0.236 inch	LPS6235-103MLC	Coilcraft
1	L2	33uH	Inductor, SMT, 170mOhm, 2.8A sat, 1.2A rms	0.484 x 0.484 inch	744871330	Wuerth
1	Q1	SI4850EY	MOSFET, Nch, 60V, 8.5A, 22mOhm	SO8	SI4850EY	Vishay
1	R1	1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	402k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	3.01	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	0.75	Resistor, Metal Film, 1/4W, 1%	1206	Std	Std
1	R6	1.00k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	0.06	Resistor, Chip, 1/4 watt, 1%	1206	Std	Std
1	R10	20.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	TP1 TP3 TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP4 TP6 TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS40211	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40211	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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