

Filename: PMP4640REVE_bom.xls

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PMP4640REVE BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	1uF	Capacitor, Ceramic, 10V, X5R, 15%	0603	Std	Std
1	C2	100n	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
1	C3	1n	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
1	C4	22uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	Std
1	C5	10uF	Capacitor, Ceramic, 10V, X5R, 15%	0805	Std	Std
1	D1	LUW W5AP	Diamond DRAGON® LED		Lx W5AP	OSRAM
1	D2	BAT54C	Diode, Dual Schottky, 200-mA, 30-V	SOT23	BAT54C	Vishay-Liteon
2	J1	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
	J2	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
1	L1	2.2uH	Inductor, SMT, 2.7A sat, 1.6A rms, 70milliohm	0.153 x 0.153 inch	LPS4018-222MLC	Coilcraft
1	R1	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	6.34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R4	1	Resistor, Chip, 1/10W, 1%	0805	Std	Std
	R5	1	Resistor, Chip, 1/10W, 1%	0805	Std	Std
	R6	1	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R7	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	348	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SHUNT6	40m	Resistor, Chip, 1/8W, 1%	0805	WSL0805	Vishay
1	U1	INA193	IC, Current Shunt Monitor, Gain = 20	SOT23-5	INA193AIDBV	TI
1	U2	TPS63030DSK	IC, DC/DC Converter, Buck-Boost	DSK	TPS63030DSK	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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