

Filename: PMP4697REVA 1V0_bom.xls

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PMP4697REVA 1V0 BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
2	C2	2x 22uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	Std	Std
2	C4	3.3nF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
1	C5	33pF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
	C6	3.3nF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
1	C7	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0402	Std	Std
1	C8	22nF	Capacitor, Ceramic, 25V, X7R, 10%	0402	Std	Std
2	C9	5x 100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	Std
	C10	5x 100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	Std
	C11	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
2	C12	1nF	Capacitor, Ceramic, 25V, X7R, 10%	0402	Std	Std
	C13	1nF	Capacitor, Ceramic, 25V, X7R, 10%	0402	Std	Std
	C14	2x 22uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	Std	Std
2	C15	100pF	Capacitor, Ceramic, 25V, C0G, 5%	0402	Std	Std
	C16	100pF	Capacitor, Ceramic, 25V, C0G, 5%	0402	Std	Std
2	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY
	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609-ND	DIGIKEY
1	L1	0.8uH	Inductor, SMT, 12.0A rms, 17.0A sat, 7.2mOhm	0.268 x 0.268 inch	PG0083.401	Pulse
2	Q1	CSD16323Q3	MOSFET, NChan, 25V, 5.6 milliOhm	QFN3.3x3.3 mm	CSD16323Q3	TI
	Q2	CSD16323Q3	MOSFET, NChan, 25V, 5.6 milliOhm	QFN3.3x3.3 mm	CSD16323Q3	TI
1	R1	16.2k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R2	270	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R4	10.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R5	0	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R6	2.2	Resistor, Chip, 1/8W, 5%	1206	Std	Std
1	R7	15.0k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R8	4.42k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R11	open	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	SH1		Short jumper			
1	U1	TPS40304DRC	IC, 3V-20V sync. 600kHz Buck controller w/ LLE&FSS	DRC10	TPS40305DRC	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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