

Filename: PMP4711REVB_bom.xls

Date: 02/03/2010

PMP4711REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C3	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
	C4	22uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C6	220uF	Capacitor, Aluminum, 600mA@100kHz, 160mOhm	0.328 x 0.328 inch	EEEFK1E221P	Panasonic
2	C7	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C8	330nF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
1	C9	680pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C13	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C14	1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	Std	Std
2	C15	47uF	Capacitor, Ceramic, 10V, X5R, 20%	1210	GRM32ER61A476KE20	muRata
	C16	47uF	Capacitor, Ceramic, 10V, X5R, 20%	1210	GRM32ER61A476KE20	muRata
1	C18	6.8pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C19	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
	C20	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C29	1nF	Capacitor, Ceramic, 50V, X7R, 10%	1206	Std	Std
1	C30	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C31	47nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	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
2	J7	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
	J8	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	6.8uH	Inductor, Power, 16.6mOhm, 7.4A sat, 3.8A rms (20deg)	0.484 x 0.484 inch	MSS1260-682MLD	Coilcraft
2	Q1	CSD16409Q3	MOSFET, NChan, 25V, 12.4mOhm@4.5A, 5.6nC@4.5V	QFN3.3x3.3 mm	CSD16409Q3	TI
	Q4	CSD16409Q3	MOSFET, NChan, 25V, 12.4mOhm@4.5A, 5.6nC@4.5V	QFN3.3x3.3 mm	CSD16409Q3	TI
2	R1	3.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	30.1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	1	Resistor, Chip, 1/8W, 5%	1206	Std	Std
	R6	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	4.02k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

	R8	3.3	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	255	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R10	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	1.05k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R18	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SH1		Short jumper			
3	TP1	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone
2	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone
	TP4	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone
	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP6	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone
1	U1	TPS40304DRC	IC, 3V-20V sync. Buck controller, 600kHz	DRC10	TPS40304DRC	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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