

Filename: PMP5640REVA_bom.xls

Date: 01/25/2011

PMP5640REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
3	C2	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C3	100uF	Capacitor, Ceramic, 6.3V, X57R, 20%	1210	Std	Std
	C4	100uF	Capacitor, Ceramic, 6.3V, X57R, 20%	1210	Std	Std
1	C7	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	Std	Std
	C8	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C10	5.6nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C11	220pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C12	680pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C22	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	D2	B360B	Diode, Schottky, 3A, 60V	SMB	B360B	Diodes Inc.
2	J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J5	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	J21	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	L2	18uH	Inductor, SMT, 65mOhm, 2.44A sat, 2.25A rms	0.402 x 0.394 inch	MSS1038-183MLC	Coilcraft
2	Q21	2N7002W	MOSFET, Nch, 60V, 115mA	SOT323 [SC70]	2N7002W	Diodes
	Q22	2N7002W	MOSFET, Nch, 60V, 115mA	SOT323 [SC70]	2N7002W	Diodes
1	R3	11.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	348k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	634k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	200k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	562k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	53.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R23	374k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R24	1.00M	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R25	1.00M	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	TP12	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
2	TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	TPS54240-Q1	IC,DC-DC Converter, 3.5V-42V, 2.5A	MSOP-10	TPS54240QDGQRQ1	Texas Instruments
1	U21	TPS3806I33DBV	IC, Dual Voltage Detector w/ adj Hysteresis	SOT23-6	TPS3806I33DBV	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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