

Filename: PMP9535A_bom.xls

Date: January 9, 2014

PMP9535A BOM

Count	RefDes	Value	Description	Size	Part Number	MFR
0	C1	open	Capacitor, Ceramic, 100V, X7R, 10%	Multi sizes	STD	STD
1	C2	2.2uF	Capacitor, Ceramic, 100V, X7S, 20%	1206	STD	STD
1	C3	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	0603	STD	STD
1	C4	0.01uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	STD	STD
1	C5	0.33uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	STD	STD
1	C6	220pF	Capacitor, Ceramic, NP0 or X7R, 50V, 10%	0603	STD	STD
1	C8	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	STD	STD
0	C7	open	Capacitor, Ceramic, 10V, X5R, 10%	1206	STD	STD
2	J1-2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	JP1	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	L1	470uH	Inductor, SMT, 1.4 ohm, 380mA sat, ±20%	7.8x7x5mm	744775247	WE
1	R1	2.2 M	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R2	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	1.2 M	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R4	35.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	51.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	57.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SH1		Short jumper, 100mil	0.100 inch	929950-00	3M
4	TP1 TP3-5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP2 TP6-7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS54061DRB	IC, 60V/0.2A Synchronous Buck Regulator	QFN	TPS54061DRB	TI
1	--		PCB, 3 Ln x 3 Ln x 0.062 Ln		PWR142	Any

- 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.

**5. TPS54061EVM-142 can be used, and then update R1-R4, R6, C5-C7 and L1 to values shown in this BOM
remove existing C7 and put 22uF output cap in C8 position**

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