

Filename: PMP5555REVA - 3V3 AT 0A5_bom.xls

Date: 07/01/2010

PMP5555REVA - 3V3 BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C2	10uF	Capacitor, Ceramic, 25V, X5R, 20%	1210	Std	Std
1	C3	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	0805	Std	Std
	C4	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C5	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C6	open	Capacitor, Ceramic	0603	Std	Std
1	C7	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C8	100uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	Std
1	C9	330pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C10	open	Capacitor, Ceramic	0603	Std	Std
3	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
4	J3	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
	J4	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
	J5	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
	J6	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
	J7	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	33uH	Inductor, SMT, 460mOhm, 0.6A sat, 0.77A rms	0.250 x 0.250 inch	MSS6122-333ML	Coilcraft
1	R1	205k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	30.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	78.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	6.81k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R5	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R6	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	3.24k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
6	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone

	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP9	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS54521RHRLR	IC, 4.5V-17V Synchronous Buck PWM Converter with Integrated MOSFET, 5A	3.5mm x 3.3mm QFN14	TPS54521RHRLR	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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1	C3	4.7uF	Capacitor, Ceramic, 25V, X5R, 10%	0805	Std	Std
1	C4	22nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C5	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C6	open	Capacitor, Ceramic	0603	Std	Std
1	C7	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C8	47uF	Capacitor, Ceramic, 10V, X5R, 20%	1210	Std	Std
1	C9	390pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
	C10	open	Capacitor, Ceramic	0603	Std	Std
3	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
4	J3	PEC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC36SAAN	Sullins
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	J7	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	22uH	Inductor, SMT, 73mOhm, 2.9A sat, 1.9A rms	0.402 x 0.394 inch	MSS1038-223ML	Coilcraft
1	R1	205k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	30.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	78.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R4	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R5	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R6	open	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R8	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	1.43k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
6	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone

	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP9	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
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