

Filename: PMP3061_REVA-1_bom.xls

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PMP3061_REVA-1 BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
6	C1, C2, C3, C31, C32, C33	22uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	Std	Std
4	C15, C16, C17, C18	470uF	Capacitor, POS-Cap, 6.3V, 0.01 Ohms, 20%, 7343	7343	6TPD470M	Sanyo
1	C19	10uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0805	Std	Std
1	C20	1000pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
2	C21, C22	1uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0603	Std	Std
1	C25	4.7uF	Capacitor, Ceramic, 6.3V, X5R, 15%	0603	Std	TDK
8	C5, C8, C13, C14, C23, C24, C27, C28	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C7	47pF	Capacitor, Ceramic, 50V, COG, 5%	0603	Std	Std
1	C9	4700pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	Std
2	D1, D2	BAT54HT1	Diode, Schottky, 30V, 0.35Vf, SOD-323	SOD323	BAT54HT1	On Semi
2	L1, L2	1uH	Inductor, SMT, 32A, 2milliohm	0.51 x 0.51 inch	IHLP5050FD	Vishay
2	Q1, Q8	RJK0305DPB	MOSFET, N-Ch, 30V, 15A, 0.013 Ohms, LPAK	LPAK	RJK0305DPB	Renesas
4	Q3, Q4, Q5, Q6	RJK0301DPB	MOSFET, N-Ch, 30V, 30A, 0.004 Ohms, LPAK	LPAK	RJK0301DPB	Renesas
2	R1, R21	4.99K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R12, R16, R17	4.7	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	845K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	127K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	47.5K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	3.74K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R6, R7, R19	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	14.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R9, R10, R11	51.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	U1	TPS40140RHH	IC, 2-Phase or Dual Output PWM Controller, QFN	QFN-36	TPS40140RHH	TI

For Test Purposes Only

1	J1	ED1609-ND	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	ED1609	OST
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1	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST
2	J3, J4	{value}	Terminal Block, 2-pin, 32-A, 9.5mm	0.75 x 0.49 inch	ED1981	OST
1	J5	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins
7	TP1, TP3, TP4, TP5, TP6, TP7, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP2, TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone