

Filename: PMP2796_REVB_bom.xls

Date: 09/21/2007

PMP2796_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	1000uF	Capacitor, Aluminum Electrolytic, 6.3V	0.315 inch	6.3ZL01000 10x12.5	Rubycon
1	C10	Open	Capacitor, Ceramic, 50V, X7R, 15%	0805	Std	TDK
1	C11	220pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
1	C12	4.7uF	Capacitor, Ceramic, 10V, X7R, 15%	0603	Std	TDK
1	C14	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	Std	TDK
1	C15	Open	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
4	C2, C3, C13, C18	22uF	Capacitor, Ceramic, 16V, X7R, 15%	1210	Std	TDK
1	C4	0.33uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std
4	C5, C6, C16, C17	0.22uF	Capacitor, Ceramic, 250V, X7R, 15%	1210	Std	TDK
1	C7	100pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
3	C8, C19, C21	10uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	Std	TDK
1	C9	470pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
2	D1, D2	MURS160	Diode, 1-A, 600V	SMC	MURS160	On Semi
2	D3, D4	BAS16	Diode, Switching, 200mA, 75V, 225-mW	SOT-23	BAS16LT1	On Semi
1	Q1	Si7686DP	MOSFET, NChannel, 30V, 35A, 14 millohm	PWRPAK S0-8	Si7686DP	Vishay
1	Q2	MMBT3906	Bipolar, PNP, 40-V, 200-mA, 225-mW	SOT23	MMBT3906LT1	On Semi
1	R1	499	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R10	1.00K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	4.99K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	374K	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R13	Open	Resistor, Chip, 1/10W, 1%	0805	Std	Std
2	R14, R17	10.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	475K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	226K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	4.7	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	51.1K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std
1	R6	20.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	100	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	383K	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R9	2.49K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T2	G074349LF	Transformer, Flyback , 4uH	0.965 X 0.965 inch	G074349LF	GCI
1	U2	OPA336N	IC, CMOS Op Amp, Single Supply,	SOT23-5	OPA336N	TI
1	U3	TL431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431A	TI
1	U4	UCC3813-5D	IC, Low-Power BiCMOS Current-mode PWM, Von = 4.1 V	SO8	UCC3813-5D	TI

For Test Purposes Only

1	J1	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	J2		Terminal Block, 2 pin, 6A, 3.5mm	0.27x0.25	ED555/2DS	OST
1	R16	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	TP1, TP2, TP4, TP5, TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP3, TP8, TP9	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone

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