Filename: PMP2790_REVB_bom.xls

Date: 07/11/2007

PMP2790_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C27	100pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
1	C28	120pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
1	C26	270pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
1	C21	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
1	C30	6800pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
2	C25, C32	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
4	C2, C3, C4, C5	0.01uF	Capacitor, Ceramic, 100V, X7R, 10%	603	Std	TDK
1	C29	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	X7R	TDK
1	C19	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	TDK
2	C18, C24	1uF	Capacitor, Ceramic, 16V, X7R, 10%	603	Std	TDK
3	C10, C11, C12	0.1uF	Capacitor, Ceramic, 100V, X7R, 10%	805	Std	TDK
2	C22, C23	0.47uF	Capacitor, Ceramic, 25V, X7R, 10%	805	Std	TDK
1	C33	4.7uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
2	C1, C6	1000pF	Capacitor, Ceramic, 2kV, X7R, 10%	1210	Std	TDK
2	C8, C9	1uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	Std	Vishay
4	C13, C14, C15, C16	22uF	Capacitor, Ceramic, 16V, X7R, 10%	1210	C3225X7R1C226K	TDK
1	C31	2200pF	Capacitor, Ceramic, 2kV, X7R, 10%	1812	Std	TDK
1	C17	100uF	Capacitor, Aluminum, 16V, ±20%	6.3x5.8mm	EEVFK1C101P	Panasonic
1	C20	22uF	Capacitor, Aluminum, 25V, ±20%	0.201 x 0.262	EEVFK1E220R	Panasonic
1	C7	47uF	Capacitor, Aluminum, 100V, 20%	0.543 x 0.543	EEVFK2A470Q	Panasonic
1	D1		Diode, Rectifier, 1A, 200V	SMA	MURA120	On Semi
2	D2, D3		Bridge Rectifier, Schottky, 100V, 1A	MINI DIP4	CBRHDSH1-100	Central Semi
1	D4		Diode, SMT TVS 400W, 4.3-A, 58-V	SMA	SMAJ58A	Diodes
2	D5, D7		Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon
2	D6, D8		Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
2	FB1, FB2		Bead, Ferrite, SMT, xxOhms, 1A	805	MI0805J070R-10	Steward
2	J1, J2		Connector, Jack, Modular, 8 POS	0.705 x 0.820	520252-4	AMP
1	J3		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	J4		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	ED1609	OST
1	J5		Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN	Sullins
1	L1	3.3uH	Inductor, SMT, 2A, 80milliohm	0.26x0.09	DO1608-332	Coilcraft
1	L2	0.33uH	Inductor, SMT, 6.26A, 7.4milliohm	0.300 sq"	DR74-R33	Coiltronics
1	Q1		Bipolar, PNP, 100-V, 1.5-A, 1.5-W	SOT-223	BCP53T1	ON Semi
1	Q2		Transistor, PNP, -60V, -600mA, 225-W	SOT23	MMBT2907ALT1	On Semi
1	Q3		MOSFET, NChannel, 60V, 10.3 A, 22millohm	PWRPAK S0-8	Si7850DP	Vishay
3	Q4, Q6, Q7		Bipolar, PNP, 40-V, 200-mA, 225-mW	SOT23	MMBT3906LT1	On Semi
1	Q5		MOSFET, NChannel, 200V, 5.3A, 90 millohm	PWRPAK S0-8	Si7450DP	Vishay-Siliconix
1	R22	15	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R17	20	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R20, R25	49.9	Resistor, Chip, 1/16W, 1%	603	Std	Std

8	R1, R2, R3, R4, R5, R6, R7, R8	75	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R26, R33	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R35	2.61K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R29, R100	3.01K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	4.42K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R24	4.64K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R28, R31	4.99K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R34	7.5K	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R21, R30, R32	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R23	10.7K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	25.5K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R14	61.9K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	357K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R11	909K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R16	51K	Resistor, Chip, 1/10W, 5%	805	Std	Std
1	R19	2.2	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R10	15K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R18	24	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R27	0.33	Resistor, Chip, 1W, 1%	2512	Std	Std
1	R15	2.2	Resistor, Chip, 1W, 5%	2512	Std	Std
2	T1, T2		XFMR, Mid-Power PoE Magnetics	S0 14 Wide	ETH1-230LD	Coilcraft
1	T3		Transformer, SMT For PoE/PD, 30W, 2.5A	0.810 x 1.181	POE300F-12L	Coilcraft
1	T4	330uH	Transformer, Driver, 330uH Ip, 1500V isolation	0.210 x 0.210	P0926	Pulse
3	TP1, TP5, TP9		Test Point, White, Thru Hole	0.125 x 0.125	5012	Keystone
2	TP2, TP11		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100	5001	Keystone
6	TP4, TP8, TP10, TP12, TP13, TP15		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	U3		IC, Photocoupler	MF4	TCMT1107	Vishay
1	U1		IC, IEEE 802.3af Power Device Controller	S0-8 PowerPad	TPS2376DDA-H	TI
1	U2		IC, Economy Primary-Side Controller, xx-V Startup	SO8	UCC3809D-2	TI
1	U4		IC, Precision Adjustable Shunt Regulator	SOT23-5	TL431ACDBVR	TI

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