

Filename: PMP2388_REVA_bom.xls

Date: 05/30/2007

PMP2388_REVA BOM

COUNT	RefDes	Description	Size	Mfr	Part Number	Value
	C1, C2, C3, C7,					
7	C11, C12, C13	Capacitor, Ceramic, 16V, X7R	1210	tbd	Std	22uF
1	C10	Capacitor, Ceramic, 100V, X7R	1206	std	std	1uF
2	C16, C19	Capacitor, Ceramic, 50-V, X7R, 15%	0603	TDK	Std	0.01uF
1	C17	Capacitor, Ceramic, 16V, X7R, 15%	0603	TDK	Std	1.0uF
1	C18	Capacitor, Ceramic, 50-V, NPO, 5%	0603	TDK	Std	330pF
1	C20	Capacitor, Ceramic, 50-V, C0G, 5%	0603	TDK	Std	100pF
1	C21	Capacitor, Ceramic, 1uF, 16V, X7R, 10%	0805	Std	Std	1uF
1	C22	Capacitor, Ceramic, 50-V, X7R, 15%	0603	TDK	Std	Open
1	C25	Capacitor, Ceramic Disc, 250WV, 1000pF, Y5U ±20%	0.236 x 0.315		ECKNVS102MB	1000pF
1	C27	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	6800pF
1	C28	Capacitor, Ceramic, 15pF, 50V, COG, 5%	0603	Std	Std	15pF
1	C4	Capacitor, Aluminum, SM, +/-20%, 250vV, 560mArms	1.748X 0.748 inc	Panasonic	EEVEB2E330SM	33uF
1	C5	Capacitor, Ceramic, 630V, X7R, 15%	1206	TDK	Std	0.01uF
2	C6, C15	Capacitor, Ceramic, 6.3V, X5R, 20%, 22uF	0805	TDK	C2012JB0J226M	22uF
1	C8	Capacitor, Ceramic, 6.3V, X5R, 20%, 10uF	0805	TDK	C2012JB0J106M	10uF
1	C9	Capacitor, Ceramic, vvV, [temp], [tol]	0603	muRata	GRM39yyyxxxKvvvA	33pF
1	D1	Diode, Schottky, 2-A, 40-V	SMB	On	MBRS240	MBRS240
1	D2	Diode, Switching, 1000mA,1000V, 250-mW		Diodes Inc.	US1M	US1M
1	D3	Diode, Schottky, 1-A, 40-V	SMA	On	MBRA140	MBRA140
1	D4	Rectifier, Ultrafast Power, 300V 1A	403D	On Semi	MURA130T3	MURA130T3
1	D6	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	Vishay-Liteon	BAS16	BAS16
1	D8	Diode, open	SOT23	On Semi	BAS16	open
1	F1	Fuse, TR5 Series, 4A, 250V	0.335	Wickmann	370 1400 041	4A/250V
2	J1, J2	Terminal Block, 3-pin, 15-A, 5.1mm	0.60 x 0.35 inch	OST	ED1610	ED1610
2	J4, J5	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35	OST	ED1609	ED1609-ND
2	L4, L5	Inductor, SMT, 1.0A, 88milliohm, 2.2uH	.102 X 0.110 inc	TDK	VLF3012AT-2R2M1R0	2.2uH
1	Q3	MOSFET, N-ch, 400-V, 5.5-A, 1.0-Ohms	SMD-220	STD	STD	IRF730AS
1	Q5	Bipolar, PNP, 40V, 200mA	SOT23	On Semi	MMBT3906LT1	MMBT3906LT1
2	R1, R2	Resistor, Chip, 1/4-W, 1%	1206	Std	Std	49.9K
2	R11, R21	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	10
2	R12, R13	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	6.34k
1	R14	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	9.09k
1	R15	Resistor, Chip, 1/8W, yy%	1206	Std	Std	0.5
1	R18	Resistor, Chip, 2K-Ohms, 1/16-W, 1%	0603	Std	Std	2K
1	R19	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	20k
1	R20	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	1.00K
1	R22	Resistor, Chip, 1/16W, 1%	0603	Std	Std	1k
1	R23	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	Open

1	R24	Resistor, Chip, 10K Ohms, 1/16W, 1%	0603	Std	Std	10K
3	R25, R26, R27	Resistor, Chip, 1/16W, 1%	0603	Vishay	CRCW0603-xxxx-F	187k
1	R28	Resistor, Chip, 1/16W, 1%	0603	Vishay	CRCW0603-xxxx-F	845k
2	R3, R4	Resistor, Chip, 1/10W, 1%	0805	Std	Std	169k
1	R30	Resistor, Chip, 1/16W, yy%	0603	Std	Std	open
1	R31	Resistor, Chip, open	0603	Std	Std	open
1	R32	Resistor, Chip, 1/16W, 1%	0603	Std	Std	3.32k
1	R33	Resistor, Chip, 9.09K-Ohms, 1/16-W, 1%	0603	Std	Std	9.09K
1	R34	Resistor, Chip, 9.09K Ohms, 1/16W, 1%	0603	Std	Std	9.09K
2	R35, R37	Resistor, Chip, 0 Ohms, 1/16-W, 1%	0603	Std	Std	0
1	R36	Resistor, Chip, 1/16W, 1%	0603	Std	Std	20k
1	R38	Resistor, Chip, 1/16W, 1%	0603	Std	Std	100k
1	R5	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	5.11
3	R7, R8, R29	Resistor, Chip, 1/16W, yy%	0603	Std	Std	0
1	RT1	Thermistor, NTC, 22 Ohms, 2.8A	0.590 x 0.276	Epcos	B57237S0220M000	22 Ohms
1	T1	Transformer, FLYback	.590 X 0.840 inc	TI	T2388-MAIN	T2388-MAIN
1	TP1	Test Point, White, Thru Hole Color Keyed	.100 x 0.100 inc	Keystone	5002	5002
	TP3, TP4, TP7, TP9, TP10, TP11, TP12, TP14, TP16,					
10	TP17	Test Point, Red, Thru Hole Color Keyed	.100 x 0.100 inc	Keystone	5000	5000
1	TP5	Test Point, SMT	.105 x 0.040 inc	Keystone	5015	5015
	TP6, TP8, TP13,					
6	TP15, TP18, TP19	Test Point, Black, Thru Hole Color Keyed	.100 x 0.100 inc	Keystone	5001	5001
1	U2	IC, Economy Primary-Side Controller, xx-V Startup	SO8	TI	UCC3809-2D	UCC3809-2D
1	U3	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180	QT Optoelectronics	H11A817B	H11A817B
1	U4	IC, Adj Shunt Regulator, 100-mA, 36-V	SO8	TI	TL431AID	TL431AID
1	U5	IC, 2.25 MHz Dual Step Down Converter	QFN10	TI	TPS624x0DRC	TPS62400DRC

- 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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