Filename: PMP2429_REVB_bom.xls

Date: 06/11/2007

PMP2429_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C27	33pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C32	330pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	C26	470pF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	TDK
2	C25, C30	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	603	Std	Std
2	C28, C29	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	Std
1	C24	1uF	Capacitor, Ceramic, 16V, X7R, 20%	603	C1608X7R1C105M	TDK
1	C7	0.33uF	Capacitor, Ceramic, 50V, X7R, 10%	805	Std	Std
2	C19, C20	1uF	Capacitor, Ceramic, 25V, X7R, 10%	805	Std	Std
1	C31	4.7uF	Capacitor, Ceramic, 16V, X7R, 10%	805	Std	Std
1	C1	220pF	Capacitor, Ceramic, 200V, C0G, 5%	1206	Std	Std
1	C22	1uF	Capacitor, Ceramic, 50V, X7R, 10%	1206	C3216X7R1H106K	TDK
7	C4, C5, C6, C8, C9, C15, C16	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
1	C21	10uF	Capacitor, Ceramic, 16V, X5R, 15%	1210	Std	TDK
0	C10, C11, C12, C13, C17	DNP	Capacitor, Ceramic, 100V, X7R, 10%	1210	C3225X7R2A225K	TDK
1	C18	2200pF	Capacitor, Ceramic, 2KV, X7R, 10%	1812	1812GC222KAT	AVX
2	C2, C3	47uF	Capacitor, Aluminum, 35V, ±20%	6.3x5.8mm	EEVFK1V470P	Panasonic
2	C14, C100	47uF	Capacitor, Aluminum, 63V, 20%	8x10.2mm	EEVFK1J470P	Panasonic
1	D1		Diode, Ultrafast, 3A, 200V,	TO-252AA	MURD320	On Semi
6	D2, D3, D5, D7, D8, D9		Diode, Switching, 200mA, 75V, 225-mW	SOT-23	BAS16LT1	On Semi
1	D4		Diode, Switching, 200mA, 250V, 225mW	SOT23	BAS21	On Semi
1	D6	9.1V	Diode, Zener, 9.1V, 225mW	SOT-23	BZX84C9V1LT1	On Semi
2	J1, J2		Terminal Block, 2 pin, 6A, 3.5mm	0.27x0.25	ED555/2DS	OST
1	L1	10uH	Inductor, SMT, 3.8A, 38milliohm	9.4x12.95mm	DO3316P-103ML	Coilcraft
1	L2	3.3uH	Inductor, SMT, 2A, 80milliohm	0.26x0.09	DO1608C-332ML	Coilcraft
1	Q1		MOSFET, NChannel, 100V, 7.8A, 34 millohm	PWRPAK S0-8	Si7454DP	Vishay
2	Q2, Q4		Bipolar, PNP, 40-V, 200-mA, 225-mW	SOT23	MMBT3906LT1	On Semi
1	Q3		Bipolar, NPN, 80V, 200mA, 225mW	SOT23	MMBTA06LT1	On Semi
1	R4	4.7	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R5	20	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	51.1	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R10, R16, R19	1K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R15, R18	2.49K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R12, R13	4.99K	Resistor, Chip, 1/16W, 1%	603	Std	Std

1	R8	5.11K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R11	10K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R7	13K	Resistor, Chip, 1/16W, 1%	603	Std	Std
2	R14, R17	49.9K	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R20	4.7	Resistor, Chip, 1/10W, 1%	805	Std	Std
2	R3, R6	20K	Resistor, Chip, 1/10W, 1%	805	Std	Std
1	R100	1	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R1	51	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R2	20K	Resistor, Chip, 1W, 5%	2512	Std	Std
1	T1		Transformer, Flyback, 35uH	1.053 x 1.285	GA3136-BL	Coilcraft
1	T2		Transformer, Current Sense, 6A, 100Khz, 30:1	0.330 x 0.360	P8203T	Pulse
1	TP1		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
1	U2		IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3		IC, Precision Adjustable Shunt Regulator	SOT-23	TL431AIDBV	TI
1	U1		IC, Economy Primary-Side Controller, xx-V Startup	SO8	UCC3809D-2	TI

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