



Filename: PMP2445C_bom.xls						
Date: 08/16/2007						
<b>PMP2445C BOM</b>						
COUNT	RefDes	Value	Description	Size	Part Number	MFR
6	C1, C2, C5, C9, C13, C21	10U	Capacitor, Ceramic, 25V, [temp], [tol]	1210	Std	Vishay
4	C10, C12, C18, C22	2200P	Capacitor, Ceramic, vV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
2	C11, C14	4.7u	Capacitor, Ceramic, 10V, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	C15	.01U	Capacitor, Ceramic, vV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
1	C16	1u	Capacitor, Ceramic, vV, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	C17	.47u	Capacitor, Ceramic, vV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
1	C19	100p	Capacitor, Ceramic, vV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
1	C20	1000p	Capacitor, Ceramic, vV, [temp], [tol]	0603	GRM39yyyxxxKvvvA	muRata
2	C3, C4	1000U	Capacitor, Aluminum Electrolytic, vV	0.492 inch	25ZL1000 12.5X20	Rubycon
2	C6, C7	1000u	Capacitor, Aluminum Electrolytic,25V	0.492 inch	25ZL1000 12.5X20	Rubycon
1	C8	3.3U	Capacitor, Ceramic, 50V, [temp], [tol]	1210	Std	Vishay
2	D1, D2	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
2	D3, D6	MBRB2535	Diode, Dual Schottky, 25A,35-V	D2PAK	STD	STD
1	D4	10v	Diode, Zener, 10-V, yy-mA, zz-mW, q%	SOT23	MMBZ5240BLT1	Motorola
1	D5	6.8v	Diode, Zener, 6.8-V, yy-mA, zz-mW, q%	SOT23	MMBZ5235BLT1	Motorola
2	J1, J2	LUG#2	Lug, Solderless, #2 - #8 AWG, 1/4	ILSCO	GSLU-70	Copper"
1	J3	{value}	Terminal Block, 2-pin, 32-A, 9.5mm	0.75 x 0.49 inch	ED1981	OST
1	J4	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST
1	L1	.47U	Inductor, SMT, yyA, zzmilohm	0.51 x 0.51 inch	IHLP5050FDERR47M	{MFR}
4	L2, L3, L4, L5	3.3U	Inductor, SMT, yyA, zzmilohm	0.51 x 0.51 inch	IHLP5050FDER3R3M	VISHEY
1	Q1	PTZ2222A	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT223	STD	STD
4	Q2, Q3, Q5, Q6	IRFR2405	MOSFET, N-ch, 55-V, yy-mA, 16-milliOhms	DPAK	STD	IR
1	Q4	2N7002	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	SOT23	2N7002DICT	Vishay-Liteon
2	R1, R2	4.99k	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R10	133k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
1	R11	8.66k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
1	R12	2.49k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
1	R13	2K	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R17	6.19K	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R18	10	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R19	10K	Resistor, Chip, 1/16W, yy%	0603	Std	Std
2	R21, R27	49.9K	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R22	51.1k	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R25	20k	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R26	49.9	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R28	1.50k	Resistor, Chip, 1/16W, yy%	0603	Std	Std

1	R3	16.2k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
1	R4	7.5k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
1	R5	2k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
4	R6, R14, R20, R29	200	Resistor, Chip, 1/16W, yy%	0603	Std	Std
8	R7, R8, R15, R16, R23, R24, R30, R31	0.01	Resistor, Chip, 1/8W, yy%	1206	Std	Std
1	R9	10k	Resistor, Chip, 1/16-W, yy%	0603	Std	Std
13	TP1, TP3, TP4, TP6, TP7, TP9, TP10, TP11, TP14, TP17, TP18, TP19, TP20	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 in	5000	Keystone
3	TP2, TP5, TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 in	5001	Keystone
1	U1	TLC372CD	IC, Dual Comparator, 200-ns	SO8	TLV372xD	TI
1	U2	TL431ADBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431ADBZ	TI
2	U3, U5	UCC27324D	IC, High Speed Low Side Power MOSFET driver	SO8	UCC27324D	Texas Instruments
1	U4	TPS40090PW	IC, High-Frequency, Multiphase Controller	TSSOP24	TPS40090PW	TI
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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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