

Filename: PMP6551A_bom.xls						
Date: 03/03/2011						
PMP6551A BOM						
COUNT	RefDes	Value	Description	Size	Part Number	Mfr
4	C1, C2, C5, C6	.1u	Capacitor, Leaded, Metalized Film, 400 VDC, 125C, 20 ±%	0.310 x 0.310 inch	B32529D6104M B32559C6104M	Epcos
1	C11	0.47u	Capacitor, Ceramic, 10V,,X7R, 10%	0603	STD	STD
1	C12	4.7u	Capacitor, Ceramic, 25V, X7R, 10%	1206	std	STD
1	C14	1000p	Capacitor, Ceramic, 25V, X7R,10%	0603	std	STD
2	C16, C17	1.0u	Capacitor, Ceramic, 25V, X7R, 10%	0805	std	STD
2	C3, C4	2.2u	Capacitor, Ceramic, 100V, X7R, 20%	1210	C3225X7R2A225M	TDK
1	C7	3.3u	Capacitor, Ceramic, 50V, [temp], [tol]	1206	std	STD
1	C8	150p	Capacitor, Ceramic, 25V,X7R,10%	0603	std	STD
4	C9, C10, C13, C15	.01u	Capacitor, Ceramic, 25V, X7R, 10%	0603	std	STD
1	D1	MRA4004	Diode, Switching, 1, 400-V, zz-mW		STD	STD
1	D2	MURA160	Rectifier, Ultrafast Power, 600V 1A	403D	MURA120T3	On Semi
1	D3	HD04	Bridge Rectifier, 400V, 0.8A, Glass Passivated, SMD	MINI DIP4	HD04-T	Diodes, Inc
2	D4, D5	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	D6	33V	Diode, Zener, 33V, 20mA, 225mW, 5%	SOT23	MMBZ5257BLT1	Motorola
3	D7, D8, D9	15V	Diode, Zener, 15V, 20mA, 225mW, 5%	SOT23	MMBZ5245BLT1	Motorola
1	F1	1A FUSE	Fuse 1A		MCRW1A	Busman
2	L1, L2	470u	Inductor, Radial TH Low-Medium Power, 300 mA	0.283 Dia. inch	22R474C	muRata
1	L3	1500 uH	Inductor, Power Choke ±20%	12.00 x 12.00 mm	7447709152	WE
1	Q1	3904	Bipolar, NPN,40-V, yy-mA, zz-W	SOT23	STD	STD
1	Q2	IRFR310	MOSFET, N-ch, 400V, yy-mA, 3.5Ohms	DDPAK	STD	STD
1	Q3	3906	Bipolar, PNP, 40V, 200mA, 350mW	SOT23	STD	STD
1	Q4	FQT1N60CTF	MOSFET, N-ch, 600V, 200mA, 11.5 Ohms, 2.1W	SOT223	FQT1N60C	FAIRCHILD
1	R1	200	Res, Power Metal Oxide Film, 1W, 5 ±%	2.8 x 9.00 mm	ERG-1SJ201	Panasonic
1	R10	1M	Resistor, Chip, 1/16W,1%	0603	Std	Std
2	R11, R14	249k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R12	20K	Resistor, Chip, 1/16W,1%	0603	Std	Std
2	R13, R16	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	5.49k	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R18	4.22K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	3.65k	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R2	100	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R20	54.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R21	29.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R22	5.6k	Resistor, power metal oxide film, 3kOhms, 2W, 5%	0.670 x 0.217 inch	ERG-2SJ302	PANASONIC

1	R23	300	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R3	200k	Res, Power Metal Oxide Film, 1W, 5 ±%	2.8 x 9.00 mm	ERG-1SJ201	Panasonic
1	R4	100K	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R5	10	Resistor, Chip, 1/16W,1%	0603	Std	Std
1	R6	4.12K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R7, R9	2	Resistor, 1/2W, 5%	1210	Std	Std
2	R8, R15	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	TP1, TP2, TP3, TP4	STD	Test Point, 0.050 Hole		STD	STD
1	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS92001DGK	IC, Economy Primary-Side Controller, xx-V Startup	DGK8	TPS92001DGK	TI
1	U2	TL331KDBV	IC, COMPARATOR, DIFFERENTIAL, SINGLE	SOT_23_5 (DBV)	TL331KDBV	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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