Filename: PMP5013C_bom.xls

Date: 01/29/2010

PMP5013C BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	.01u	Capacitor, Ceramic, 250V, [temp], [tol]	1210	Std	Vishay
1	C10	100p	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
1	C11	.01U	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
1	C12	.01u	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C13	1000P	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	muRata
2	C14, C15	.01u	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C16	1.0U	Capacitor, Ceramic, 10V	0603	STD	muRata
1	C17	.47U	Capacitor, Ceramic, 16V, [temp], [tol]	0805	STD	muRata
1	C18	4.7u	Capacitor, Ceramic, 16V	0603	STD	muRata
1	C19	1u	Capacitor, Ceramic, 16V	0603	STD	muRata
1	C2	4.7U	Capacitor, Ceramic, 50V, X7R, +/-15%	1825	Std	muRata
1	C3	open	Capacitor, Aluminum Electrolytic, vvV	0.197 inch	35ZL18 5X7	Rubycon
2	C4, C6	0.1uF	Capacitor, Polyester, 200V, 10%	0.311 x 0.213 inch	ECQ-E2473KB	Panasonic
1	C7	1uF	Capacitor, Ceramic, 250V, xx%	2220	tdk	Murata
1	C8	1000pF	Capacitor, Ceramic Disc, 250WV, 1000pF, Y5U ±20%	0.236 x 0.315	ECKNVS102MB	
1	C9	.1u	Capacitor, Ceramic, vvV, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata
1	D1	MURA160	Rectifier, Ultrafast Power, 200V 1A	403D	MURA120T3	On Semi
1	D2	MURA120T3	Rectifier, Ultrafast Power, 200V 1A	403D	MURA120T3	On Semi
1	D3	MURA120	Rectifier, Ultrafast Power, 200V 1A	403D	MURA120T3	On Semi
1	D4	RH04-T	Bridge Rectifier, 400V, 0.5A, Glass Passivated, Fast Recovery	MiniDIP	RH0x-T	Diodes
1	D5	BAS16	Diode, Switching, 150-mA, 75-V, 350mW	SOT23	BAS16	Vishay-Liteon
1	D6	12V	Diode, Zener, 12V, yy-mA, zz-mW, q%	SOT23	MMBZ5242BLT1	Motorola
1	D7	8.2V	Diode, Zener, 8.2V, yy-mA, zz-mW, q%	SOT23	MMBZ5237BLT1	Motorola
3	D8, D9, D10	15V	Diode, Zener, 12V, yy-mA, zz-mW, q%	SOT23	MMBZ5245BLT1	Motorola
1	F1	1A	Fuse 1A		MCRW1A	Bussman
1	L1	470u	470uh 300ma	0.315 DIA inch	22R474C	Murata
1	Q1	FZT757A	Bipolar, PNP, 300V, yy-mA, zz-W	SOT-223	STD	ZETEX
1	Q2	IRFR420	MOSFET, N-ch,500-V, yy-mA, zz-milliOhms	DPAK	STD	STD
1	Q3	MMBT3906T	Bipolar, PNP, -40V, -200mA, -200mW	SOT-523	MMBT3906T-7-F	Diodes
1	Q4	FQT1N60CTF	MOSFET, N-ch, 600V, 1A, zz-milliOhms	SOT223	STD	STD
1	R1	100k	Resistor, 1/2W, yy%	1210	Std	Std
2	R10	3.01K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R11	2.4	Resistor, 1/2W, yy%	1210	Std	Std

2	R12, R16	10K	Resistor, Chip, 1/16W, x%	0603	Std	Std
2	R14, R17	100K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R15	20K	Resistor, Chip, 1/16W, x%	0603	Std	Std
	R18	3.01k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R19	4.32K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R2	249	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std
1	R20	200k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R21	6.04K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R22	1k	Resistor, 1kOhms, 3W, y%	0.670 x 0.217 inch	23J1K0	Ohmite
1	R23	80.6K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R24	40.2k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R25	1k	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R3	5.11K	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R4	33	Resistor, Chip, 10 Ohms, 3W, y%	0.670 x 0.217 inch	23J10R	Ohmite
1	R5	49.9	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R6	1k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R7	301K	Resistor, 1/4 watt, ± 5%	1206	Std	Std
1	R8	10	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	R9	39.2k	Resistor, Chip, 1/16W, x%	0603	Std	Std
1	T1	820 uH	Transformer, 10 W Flyback, ±12%	18.50x 19.50 mm	G094195LF	
5	TP1, TP2, TP4, TP8, TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP3, TP6	STD	Test Point, O.050 Hole		STD	STD
2	TP5, TP7	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC3809-1P	IC, Economy Primary-Side Controller, xx-V Startup	DGK8	UCC3809-1P	TI
1	U2	TL331DBV	IC, COMPARATOR, DIFFERENTIAL, SINGLE	SOT_23_5 (DBV)	TL331DBV	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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