Filename: PMP2971_bom.xls

Date: 11/14/2007

PMP2971 BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	1uF	Capacitor, Polyester, 1 µF, 250V, 10%	1.024 X 0.335	ECQ-E105KB	Panasonic
1	C10	33U	Capacitor, Aluminum Electrolytic, 16V	0.197 inch	16ZL33 5X 7	Rubycon
1	C11	1200p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	muRata
1	C12	0.2u	Capacitor, Ceramic, 10V, [temp], [tol]	0603	std	muRata
1	C13	1000p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	muRata
1	C14	2.2u	Capacitor, Ceramic, 10V, [temp], [tol]	0805	std	muRata
1	C16	1u	Capacitor, Ceramic, 10V, [temp], [tol]	0805	std	muRata
1	C2	470 uF	Capacitor, Aluminum Electrolytic, 400V	1.380 dia * 1.97	ECO-S2GP471EA	Panasonic
1	C3	NOT INSTALLED	Capacitor, Aluminum Electrolytic, 400V	1.380 dia * 1.97	ECO-S2GP471EA	Panasonic
2	C4, C15	1u	Capacitor, Ceramic, 16V, [temp], [tol]	0603	std	muRata
2	C5, C6	0.1u	Capacitor, Polyester, .1-uF, 250-V, 10%	0.311 x 0.213""	ECQ-E2104KB	Panasonic
2	C7, C8	4700pF	Capacitor, Ceramic Disk, 0.0047-uF, 500VAC	0.72	440LD47	Vishay-Sprague
1	C9	470p	Capacitor, Ceramic, 50V, [temp], [tol]	0603	std	muRata
1	D1	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	D2	MR856	Diode, UltraFast Rectifier, 3-A, 600-V	267-03	MR856	On Semi
1	D3	CSD0460 or 8ETH0(	Diode, UltraFast Rectifier, xx-A, yyy-V	TO220AC	STD	STD
1	D4	GBU404	Diode, Bridge Rectifier, 4 A, 400V	0.880 x 0.140 in	GBU404	Fairchild
1	F1	10A	Fuseholder, 1/4 fuses	{MFR}	FC-250-A-MT	board mount (Qty: 2)"
1	J1		Connector, AC Board mount, 9mm	1.97 x 0.79	703W-00/54	Qualtek Electronics
1	K1	ALZ2xyz	Relay, SPST, vvVDC, yA, xxV Coil Rating, Contact Rating 5A 240VAC	0.394 x 0.787 in	892N-1xx-yy	Song Chuan
1	L1	1mh	Inductor, PFC Continuous Boost	1.850 Dia.	G074402LF	GCI
2	L2, L3	2.2 mH	Inductor, Dual Winding,	1.250 x 0.628 in	GVTM0-222	GCI
1	Q1	3904	Bipolar, NPN, xx-V, yy-mA, zz-W	SOT23		
1	Q2	FDP20N50F	MOSFET, N-ch, 500-V, yy-A, 260-milliOhms	TO-220V	STD	fairchild
1	Q3	3906	Bipolar, PNP, xx-V, yy-mA, zz-W	SOT23		
2	R1, R2	200	Resistor, Chip, 1W, xx%	2512	WSL-2512-xx 1% R	STD
3	R10, R12, R13	1meg	Resistor, Chip, 1/10W, yy%	0805	Std	Std
1	R11	270	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R14	49.9k	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R15	13.7k	Resistor, Chip, 1/16W, yy%	0603	Std	Std
1	R16	22.6k	Resistor, Chip, 1/16W, yy%	0603	Std	Std
3	R3, R4, R8	340k	Resistor, Chip, 1/10W, yy%	0805	Std	Std
3	R5, R6, R7	0.25	Resistor, Chip, 1W, xx%	2512	WSL-2512-xx 1% R	STD
1	R9	100	Resistor, Chip, 1/16-W, yy%	0603	Std	Std

6	TP1, TP2, TP3, TP4, TP6, TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 in	5000	Keystone
2	TP5, TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 in	5001	Keystone
1	U1	UCC28019D	IC, Continuous Current Mode PFC Controller	SO8	UCC28019D	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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