

PMP2614 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR	AREA
1	C1	10nF	Capacitor, Ceramic, 500V, X7R, 10%	1210	12107C103KAT2A	AVX	83,600
1	C2	680nF	Capacitor, MKT, 0.68uF, 305Vac, 10%	0.885 in x 0.370 in	B32923A2684M	Epcos	327450
1	C3	100nF	Capacitor, Leaded, 0.10 uF, 305 VAC	0.709 x 0.236 inch	B32922C3104M	Epcos	198,640
3	C4	470uF	Capacitor, Aluminum, SM, ±20%, 63V,	0.670 X 0.697 inch	EEEFK1J471AM	Panasonic	532,000
	C5	470uF	Capacitor, Aluminum, SM, ±20%, 63V,	0.670 X 0.697 inch	EEEFK1J471AM	Panasonic	532,000
	C6	470uF	Capacitor, Aluminum, SM, ±20%, 63V,	0.670 X 0.697 inch	EEEFK1J471AM	Panasonic	532,000
1	C7	1uF	Capacitor, Ceramic, 100V, X7R, 10%		C3216X7R2A105K	TDK	15390
1	C8	100uF	Capacitor, Aluminum, 25V, 20%	0.200 inch	UHE1E101MED	Nichicon	44100
1	C9	47uF	Capacitor, Aluminum, SM, ±20%, 35V,	D Code	EEVFK1V470P	Panasonic	95700
1	C10	1000pF Y1	Capacitor, Cer. Disc, 250V, Y1	0.394 X 0.315 inch Max.	ECK-ANA102MB	Panasonic	128
1	C11	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C12	10pF	Capacitor, Ceramic, 50V, NP0, 10%	0603	Std	muRata	5650
1	C13	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std	10560
1	C14	2.2uF	Capacitor, Ceramic, 25V, X5R, +/-10%	0805	C2012X5R1E225K	TDK	10560
1	C15	DNP	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	5650
1	C16	4.7uF	Capacitor, Ceramic, 25V, X7R, 10%	1206	C3216X7R1E475K	TDK	15390
1	C17	68nF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std	10560
1	D1	PB66	6A, 600V Bridge Rectifier	GBJ series	PB66	General	1725
1	D2	UF4006	Diode, Signal, 800V, 1A	DO-41	UF4006	Fairchild	54000
1	D3	HFA08TB60	Diode, UltraFast Rectifier, 8-A, 600-V	TO220AC	HFA08TB60	IR	90300
2	D4	BYG10J	Diode, Standard Rectifier, 1.5A, 600V	SMA	BYG10J	Vishay	29520
	D5	BYG10J	Diode, Standard Rectifier, 1.5A, 600V	SMA	BYG10J	Vishay	29520
1	D6	MURA120T3	Diode, Rectifier, 1A, 200-V	SMA	MURA120T3	ON	29520
1	D7	18V	Diode, Zener, 1W, 18V	SMA	SMAZ18-13	Diodes Inc.	37520
1	D8	BYS10-25	Diode, Schottky, 1.5A, 25V	SMA	BYS10-25	Vishay	29520
1	D9	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon	14105
1	D10	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex	14105
1	F1	3A	Fuse, Slo-Blo Ceramic, 3A, 250V	0.145 x 0.300 inch	BK/MDL-3	Bussman	56100
1	FH1	FUSE HOLDER_1/4	Fuseholder, 1/4 fuses	board mount (Qty: 2)"		11/1/2006 14:05	FUSEHOLDER_1/4BM
2	HS1	531102b02500	Heatsink, TO-220, Vertical-mount with Solderable pins	0.5 x 1.38 inch	531102b02500	Aavid	757.9
	HS2	531102b02500	Heatsink, TO-220, Vertical-mount with Solderable pins	0.5 x 1.38 inch	531102b02500	Aavid	757.9
1	J1	703W-00/54	Connector, AC Board mount, 9mm	1.97 x 0.79	703W-00/54	Qualtek Electronics	1691500
1	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
1	L1	3.7mH	Inductor, Common Mode, 3A	0.787 x 1.260 inch	ELF-21N030A	Panasonic	1,053,930
1	L2	1mH	Inductor, Toroidal Horizontal, 1mH, 1.5A	1.276 x 0.854 inch	CTX1000-1-52M-R	Cooper	1287000
1	L3	33uH	Inductor, SMT, 1.3A, 166milliohm	0.300 sq"	DR73-330-R	Coiltronics	122500
1	Q1	SPA11N80C3	MOSFET, N-ch, 800-V, 11-A, 450-milliOhms	TO-220V	SPA11N80C3	Infineon	110700
2	R1	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
2	R2	4.7K	Resistor, Metal Film, 4.7K-Ohm, 1W, 5%	0.130 in * 0.600	Std	Std	78000
	R3	4.7K	Resistor, Metal Film, 4.7K-Ohm, 1W, 5%	0.130 in * 0.600	Std	Std	78000
	R4	100K	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
1	R5	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R6	40.2K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R7	33	Resistor, Chip, 1/2W, 1% anti-surge	1210	ERJ-P14J330U	Panasonic	24200
1	R8	221	Resistor, Chip, 1/8W, 5%	1206	Std	Std	20000
1	R9	22	Resistor, Chip, 1/8W, 5%	1206	Std	Std	20000

2	R10	1.5M	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
1	R11	6.34K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
	R12	1.5M	Resistor, Chip, ¼ W, 5%	1210	STD	STD	30800
1	R13	10	Resistor, Chip, 1/10-W, 1%	0805	Std	Std	10560
1	R14	68K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R15	20K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R16	11.5K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R17	330	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R18	0.25	Resistor, Chip, 0.25-Ohms, 1-W, 1%	2512	WSL2512R2500FEA	Vishay	35100
1	R19	47K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	9100
1	R20	4.75K	Resistor, Chip, 1/10W, 5%	0805	STD	STD	15300
1	R21	6.8K	Resistor, Chip, 1/2W, yy%	1812	Std	Std	38080
1	T1	G074278LF-R2	Transformer, Flyback, 215 uH	1.370 X 1.417 inch	G074278LF-R2	GCI	2205000
2	TP1	5006	Test Point, Black, Thru Hole Compact Style	0.125 x 0.125 inch	5006	Keystone	
4	TP2	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
2	TP3	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone	
	TP4	5005	Test Point, Red, Thru Hole Compact Style	0.125 x 0.125 inch	5005	Keystone	
	TP5	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP6	5006	Test Point, Black, Thru Hole Compact Style	0.125 x 0.125 inch	5006	Keystone	
	TP7	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
	TP8	5002	Test Point, White, Thru Hole Color Keyed	0.100 x 0.100 inch	5002	Keystone	10
1	U1	UCC38050D	IC, Transistion Mode PFC Controller	SO8	UCC38050D	Texas Instruments	75900

- 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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