

Filename: PMP4597 REV\_C\_bom.xls

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## PMP4597 REV\_C BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr	AREA
1	C0	22uF	Capacitor, Electrolytic, 105°C ±20%	F73	EMZE2 50ADA220MF73G	Nippon	
1	C1	NTP	Capacitor, Film, 275VAC, 20%	0.689 x 0.217	ECQU2A154ML	Panasonic	
1	C3	22pF	Capacitor, Ceramic, 250V, C0G, 10%	0805	C2012C0G2E101K	TDK	
3	C4	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic	
	C5	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic	
1	C6	0.1uF	Capacitor, Film, MKP 338 X2, 275VAC, 20%	.470x.250 inch	2222 338 20104	BC Components	
1	C8	150uF	Capacitor, Electrolytic, 105°C ±20%	F73	EMZE 100ADA151MF73G	Nippon	
	C10	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic	
3	C11	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK	
1	C12	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK	
1	C13	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	
	C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK	
1	C15	15nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H222K	TDK	
1	C16	NTP	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H223K	TDK	
1	C19	1uF	Capacitor, Ceramic, 16V, X7R	0603	C1608X7R1C105M	TDK	
1	C20	10uF	Capacitor, Ceramic, 10V, [temp], [tol]	0805	GRM40yyyxxxKvv	muRata	
2	C21	NTP	Capacitor, Ceramic, vvV, [temp], [tol]	1206	GRM42-6yyyxxxKvv	muRata	
1	C22	4.7uF	Capacitor, Aluminum,400V, ±20%	JA0	EMKB401ADA4R7MJA0G	Nippon Chemicon	
	C23	NTP	Capacitor, Ceramic, vvV, [temp], [tol]	1206	GRM42-6yyyxxxKvv	muRata	
1	C24	NTP	Capacitor, Aluminum,400V, ±20%	JA0	EMKB401ADA4R7MJA0G	Nippon Chemicon	
	C40	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK	
1	D1	RH06-T	Bridge Rectifier, 600Vdc, 0.5A, Glass Passivated, Fast Recove	MiniDIP	RH06-T	Diodes	
1	D2	ZHCS1006TA	Diode, Schottky, 1A, 60V	SOT23	ZHCS1006TA	Zetex	
1	D3	NTP	Diode, Schottky, xx-mA, yy-V	SMA	STD	STD	
1	D4	US1M	Diode ultrafast 1A, 1000V	SMA	US1M	Diodes	
1	D5	NTP	Diode, Transient Voltage Suppressor, 400W, xxV	SMA	SMAJ250CA	Littelfuse	
4	D6	NTP	Diode, Transient Voltage Suppressor, 400W, xxV	SMA	MURA160T3	Littelfuse	
1	D7	BAS19	Diode, Switching, 120V, 200mA	SOT23	BAS19LT1	On Semiconductor	
	D8	NTP	Diode, Transient Voltage Suppressor, 400W, xxV	SMA	MURA160T3	Littelfuse	
	D9	NTP	Diode, Transient Voltage Suppressor, 400W, xxV	SMA	MURA160T3	Littelfuse	
	D10	NTP	Diode, Transient Voltage Suppressor, 400W, xxV	SMA	MURA160T3	Littelfuse	
1	F1	80mA/250V	Fuse, TR5 Series, 80mA, 250V	0.335	3700080041	Wickmann	
1	J6	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST	
1	L1	600uH	Inductor, 1A, 40-milliohm	0.760 x 0.425 inch	7101	J.W.Miller	
1	L2	NTP	Inductor, Power, PTH 18mF 50mA, 56Ohm	0.350 x 0.300 inch	RFB0807-183L	Coilcraft	
1	L4	10uH	Inductor, SMT, 1A, 300mOhm	5.23 X 6.50 mm	DO1606T-103ML	Coilcraft	
1	Q2	STD1NK80Z	MOSFET, N-ch, 650V, 300-mA, 4-milliOhms	SOT223	STD	SPN01N60C3	
1	R1	499	Resistor, Chip, 1/4W, 5%	1210	Std	Std	
2	R2	1.1M	Resistor, Chip, 1/4W, 5%	1210	Std	Std	
2	R3	1.1MEG	Resistor, Chip, 1/4W, 5%	1210	Std	Std	
	R4	1.1M	Resistor, Chip, 1/4W, 5%	1210	Std	Std	

	R5	1.1MEG	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R6	0	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R7	10	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R8	76.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	17.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	3.92k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	17.4	Resistor, Chip, 1/10W, 1%	0805	Std	Std
2	R12	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R13	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R15	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R17	NTP	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	6.04k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R19	NTP	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R30	100	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	T1	PH9078NL	Transformer,	0.515 x 0.600 inch	PH9078NL	Pulse
6	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP21	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U2	FOD817DSD	IC, Optocoupler, 5300-V, 80-160% CTR	0.435 x 0.210	FOD817DSD	Fairchild
1	U3	TLV431A	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	SOT23-5	TLV431ACDBVR	Texas Instruments

- 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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