

Filename: PMP2723 REV_C_bom.xls

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PMP2723 REV_C BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	220uF	Capacitor, Aluminum, vvV, 20% (EB Series)	22 x 40 mm	EET-UQ2S221BA	Panasonic
2	C2	0.15 uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217	ECQU2A154ML	Panasonic
	C3	0.15 uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217	ECQU2A154ML	Panasonic
1	C4	0.01uF	Capacitor, Ceramic, 250V, X7R, 20%	0805	C2012X7R2E103M	TDK
1	C5	4.7uF	Capacitor, Ceramic, 25V, X7R, 10%	1206	C3216X7R1E475K	TDK
1	C7	470pF	Capacitor, Ceramic, 250V, C0G, 10%	0603	C1608C0G2E471K	TDK
4	C8	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	C3225X5R1C226MT	TDK
	C9	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	C3225X5R1C226MT	TDK
	C10	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	C3225X5R1C226MT	TDK
	C11	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	C3225X5R1C226MT	TDK
2	C12	1000uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	16V ZL 1000uF 10 X 20	Rubycon
1	C13	47uF	Capacitor, Aluminum, 25V, FC Series	0.200 * 0.435 inch	EEUFC1E470	Panasonic
1	C14	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKANA152ME	Panasonic
3	C15	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C16	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
	C17	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C18	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C19	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
	C20	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C21	10uF	Capacitor, Ceramic, 25-V, X5R, 20%	1210	C3225X5R1E106MT	TDK
	C22	1000uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	16V ZL 1000uF 10 X 20	Rubycon
1	D1	KBU6J	Diode, Bridge Rectifier, 6 A, 600 V	0.935 X 0.280 inch	KBU6J	Vishay
1	D2	40CTQ150	Diode, Dual Schottky, 40A, 150V	TO-220	40CTQ150	International Rectifier
1	D3	MURS160	Diode, Rectifier, 1-A, 600-V	{Size}	MURS160	Diodes Inc
1	D4	BAS19	Diode, Switching, 120V, 200mA	SOT23	BAS19LT1	On Semiconductor
1	D5	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	F1	3.15A/250V	Fuse, TR5 Series, 3.15A, 250V	0.335		Wickmann
1	HS1	657-15ABP	Heatsonk, TO-220, Vertical-mount, 6.7°C/W	1.67 x 1.00 inch	6298B	Thermalloy
1	HS2	HS352-ND	Heatsink, TO-220, Vertical-mount, 11°C/W	0.5x1.38in.	513201	Aavid
1	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	L1	600uH	Common-mode Inductor, 1A, 200 milliohm	0.906 x 0.748 inch	UU9.8V-601	GCI
1	L2	10mH	Inductor, 1A, 550-milliohm	0.748 x 1.024 inch	ET24V-103	GCI
1	L3	1.0 uH	Inductor, 1µH, 3A	0.335 Dia. inch	G044098	GCI
1	Q1	IRFB9N60A	MOSFET, N-ch, 600-V, 9.2-A, 750-milliOhms	TO-220AB	IRFB9N60A	IR
1	R1	0	Resistor, Chip, 1/4W, 5%	1210	Std	Std
3	R2	47k	Resistor, Chip, 1W, 5%	2512	STD	STD
	R3	47k	Resistor, Chip, 1W, 5%	2512	STD	STD
2	R4	499k	Resistor, Chip, 1/4W, 5%	1210	Std	Std

	R5	499k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R6	1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	20	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R8	33	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	162k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R12	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R13	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R14	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	34.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	1.62k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R18	0.33	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R19	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R20	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R21	0.33	Resistor, Chip, 1/2W, 5%	2010	Std	Std
	R22	47k	Resistor, Chip, 1W, 5%	2512	STD	STD
1	RT1	2.5 Ohms	Thermistor, NTC, 2.5 Ohms, 6.5-A	0.590 x 0.276	B57237S0259M000	Epcos
1	T1	180uH	Transformer,	0.945 X 1.417 inch	SP-ETD29	Kaschke
1	T2	DNP	Transformer,	1.070 x 1.200 inch	PA2790NL-Rev 03	Pulse
2	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP5	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	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U3	TL431A	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZR	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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