

Filename: PMP4717 REV_A_bom.xls

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PMP4717 REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	27uF	Capacitor, Aluminum Electrolytic, 450V	0.492 inch	EKXJ451ESS270MK25S	Nippon Chemi-Con
1	C2	0.1uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217 inch	ECQU2A104ML	Panasonic
2	C4	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1210	Std	TDK
	C5	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1210	Std	TDK
1	C6	470uF	Capacitor, Aluminum Electrolytic, 35V	0.315 inch	EKZM350ESS471MJ16S	Nippon Chemi-Con
2	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C8	27uF	Capacitor, Aluminum Electrolytic, 25V	0.200 * 0.435 inch	25V ZL 27uF 5 X 11	Rubycon
2	C9	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C10	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
	C11	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
	C12	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C13	47pF	Capacitor, Ceramic, 50V, COG, 10%	0603	Std	TDK
1	C14	1500pF	CAP, Y1, 300Vac, 20%	.500 X .310	R413F11505000M	KEMET (Arcotronics)
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C100	1.5nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	D1	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D2	ES3C	Diode, Rectifier, Trr 20 ns, Vrrm 150V, 3A	DO-214AB	ES3C	Fairchild
1	D3	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D4	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D5	BAV99	Diode, Dual Ultra Fast, Series, 200-mA, 70-V	SOT23	BAV99	Fairchild
2	D100	BZD27C62P	Diode, Zener, 800mW, 62V	DO-219AB	BZD27C62P	Vishay
	D101	BZD27C62P	Diode, Zener, 800mW, 62V	DO-219AB	BZD27C62P	Vishay
1	F1	2A	Fuse, TR5 Series, 2A, 250V	0.335	3701200041	Wickmann
1	JP1	923345-05-C	Jumper, 0.500 inch length, PVC Insulation, AWG 22,	AWG 22	923345-05-C	3M
1	L1	10mH	CM Choke, 0.25A, 3.5ohm	0.433 x 0.670 inch	UU9.8V-103LF	GCI
1	L2	1uH	Inductor, SMT Chip	0805	CPL2512T1R0M	TDK
1	Q2	FQP8N60C	MOSFET, Nchan, 600V, 7.5A, 1.2ohm	TO-220V	FQP8N60C	Fairchild
2	R2	1M	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R4	1M	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R5	DNP	Do Not Populate	1210	N/A	N/A
2	R6	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	130k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R8	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R10	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	41.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	3.32k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	1.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	0.75	Resistor, Chip, 1/4W, 5%	1210	Std	Std

1	R17	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	15.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	200k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	ECO2219SEO-U01	Transformer,	24.0 x 29.50 mm	ECO2219SEO-U01	TDK
3	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP2	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
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	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	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	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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