

Filename: PMP2616 REV_B_bom.xls

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PMP2616 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	6.8uF	Capacitor, Electrolytic, 450V, Temp -25 to 105 C°, ±20%	10 x 16 mm	EKXJ451Exx6R8MJ16S	Nippon Chemicon
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	1000pF	Capacitor, Ceramic, 250V, C0G, 20%	0603	STD	STD
1	C7	10uF	Capacitor, Ceramic, 16V, X7R or X5R, 15%	1206	STD	STD
1	C8	1000uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	16ZL1000M10X20	Rubycon
1	C9	47uF	Capacitor, Aluminum, 25V, FC Series	0.200 * 0.435 inch	EEUFC1E470	Panasonic
1	C10	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
2	C11	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C12	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C13	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C16	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
1	C17	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	D1	DF06M	Diode, Bridge, 1-A, 600-V	DIP6	DF06M	Diodes Inc.
1	D2	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D3	MBRS1100T3	Diode, Schottky, 1A, 100V	SMB	MBRS1100T3	ON Semiconductor
1	D4	BAS19	Diode, Switching, 120V, 200mA	SOT23	BAS19LT1	On Semiconductor
1	D5	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	F1	0.5A	Fuse, TR5 Series, 500mA, 250V	0.335	3700500041	Wickmann
1	J1	703W-00/54	Connector, AC Board mount, 9mm	1.97 x 0.79 inch	703W-00/54	Qualtek Electronics
1	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	4mH	Inductor, 1.7A, 173-milliohm	0.760 x 0.425 inch	8101	J.W.Miller
1	Q1	IRFBC30A	MOSFET, N-ch, 600-V, 3.6-A, 2200-milliohms	TO-220V	IRFBC30A	International Rectifier
1	R1	100	Resistor, Chip, 1/4W, 5%	1210	Std	Std
2	R2	750k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R3	75k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
	R4	750k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R5	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R7	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R8	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	4.99k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R10	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	130k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	32.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	1.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

1	R16	1.2	Resistor, Chip, 1/10W, 1%	0805	Std	Std
1	R17	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA2517NL	Transformer, Custom Flyback	0.717 X 0.630 inch	PA2517NL	Pulse
4	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
	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	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	Texas Instruments
1		PMP2616B	PCB			

- 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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