

Filename: PMP4684 REV\_A\_bom.xls

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## PMP4684 REV\_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	2					
1	C1	6.8uF	Capacitor, Electrolytic, 450V, Temp -25 to 105 C°, ±20%	10 x 16 mm	EKXJ451Exx6R8MJ16S	Nippon Chemicon
1	C4	1000pF	Capacitor, Ceramic, 250V, COG, 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	22uF	Capacitor, Aluminum, SM, ±20%, 50V,	D Code	EEEFK1H220P	Panasonic
1	C10	1500pF	Capacitor, Leaded, 300 VAC, ±x%	4.00 x 13.00 mm	b32021Axyyy	Epcos
1	C11	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	C12	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C13	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C16	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H221K	TDK
1	C100	220pF	Capacitor, Ceramic, 50V, COG, 10%	0603	Std	TDK
1	D1	RH06-T	Bridge Rectifier, 600V, 0.5A, Glass Passivated, Fast Recovery	MiniDIP	RH06-T	Diodes
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	Q1	IRFBC30A	MOSFET, N-ch, 600-V, 3.6-A, 2200-milliOhms	TO-220V	IRFBC30A	International Rectifier
1	R1	820	Resistor, Metal Film, 1/4 watt, ± 5%	1206	CRCW1206-xxx-J	Vishay
2	R2	750k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R3	330k	Resistor, Metal Film, 1/4 watt, ± 5%	1206	CRCW1206-xxx-J	Vishay
	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
2	R7	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	R100	47.5k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	PA2517NL	Transformer, Custom Flyback	0.717 X 0.630 inch	PA2517NL	Pulse
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U2	TCMT1108	IC, Photocoupler	MF4	TCMT1108	Vishay
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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