

Filename: PMP3672\_REVC\_bom.xls

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## PMP3672\_REVC BOM

COUNT	RefDes	Value	Description
2	C1	0.1uF	Capacitor, Leaded, Film, 0.047 uF, 310 VAC
2	C2	10nF	Capacitor, Ceramic, 50V, X7R, 10%
	C3	10nF	Capacitor, Ceramic, 50V, X7R, 10%
	C4	0.1uF	Capacitor, Leaded, Film, 0.047 uF, 310 VAC
2	C5	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%
	C6	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%
1	C7	47uF	Capacitor, Aluminum Electrolytic, 25V
1	C8	1nF	Capacitor, Ceramic disc, 1KV
1	C9	220uF	Capacitor, Aluminum, 63V, 20%, Low ESR
1	C10	10uF	Capacitor, Ceramic, 16-V, X7R, ±10%
1	C11	0.33uF	Capacitor, Ceramic, 25-V, X7R, ±10%
1	D1	RH06-T	Bridge Rectifier, 600V, 0.5A
2	D2	FR107	Diode, Fast, 1000V, 1A
1	D3	MMSZ4705	Diode, Zener, 18V, 500mW
1	D4	MURS260	Diode, UltraFast Rectifier, 2-A, 600-V
1	D5	SS24	Diode, Schottky, 2-A, 40-V
1	D6	MMSZ4689	Diode, Zener, 5.1V, 500mW
1	D7	MBR0520	Diode, Schottky, 0.5A, 20V
	D8	FR107	Diode, Fast, 1000V, 1A
1	F1	1A	Fuse
2	L1	4.7mH	Inductor, 0.24A
	L2	4.7mH	Inductor, 0.24A
1	L3	4.7mH	Inductor, 150mA, 25ohm
2	L4	56uH	Inductor, SMT, 1.9-A, 89-milliohm
	L5	56uH	Inductor, SMT, 1.9-A, 89-milliohm
1	Q1	FCD4N60	MOSFET, N-ch, 600V, 4A
1	R1	360K	Resistor, Chip, 1/8-W, 1%
1	R2	18.7K	Resistor, Chip, 1/16W, 1%
1	R3	30.1K	Resistor, Chip, 1/16W, 1%
1	R4	100K	Resistor, Chip, 1/16W, 1%
1	R5	10K	Resistor, Chip, 1/16W, 1%
1	R6	215K	Resistor, Chip, 1/16W, 1%
3	R7	1M	Resistor, 1/4 watt, 5%
	R8	1M	Resistor, 1/4 watt, 5%
	R9	1M	Resistor, 1/4 watt, 5%
1	R10	6.8	Resistor, Chip, 1/16W, 1%
1	R11	1.2K	Resistor, Chip, 1/4 watt, ± 5%
1	R12	3.01K	Resistor, Chip, 1/16W, 1%
1	R13	3.6K	Resistor, Chip, 1/4 watt, ± 5%
2	R14	1.2	Resistor, Chip, 1/4 watt, 5%
	R15	1.2	Resistor, Chip, 1/4 watt, 5%
2	R16	46.4K	Resistor, Chip, 1/16W, 1%
	R17	46.4K	Resistor, Chip, 1/16W, 1%
1	R18	2.05K	Resistor, Chip, 1/16W, 1%
1	R19	22K	Resistor, Chip, 1/4 watt, ± 5%
1	RT1	300V	MOV, 300V

1	U1	TPS92210D	IC, Flyback Green-Mode Controller
1	U2	PC817A	IC, Optocoupler
1	U3	LMV321DBV	IC, Op-Amp Low Voltage Rail-to-Rail Output, 130 $\mu$ A Typ.

- 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.

Size	Part Number	MFR
4.0 x 10.0 x 12.5mm	BFC233823473	Vishay
0603	Std	Std
0603	Std	Std
4.0 x 10.0 x 12.5mm	BFC233823473	Vishay
0603	Std	Std
0603	Std	Std
5 x 11mm	25V ZLH 47uF 5 X 11	Rubycon
7mm dia	Std	Std
10 x 25mm	UHE1J221MPD	Nichicon
0805	Std	Std
0805	Std	Std
MiniDIP	RH06-T	Diodes
DO-41	FR107	TSC
SOD-123	MMSZ4705T1	On Semi
SMB	MURS260T3	On Semi
SMB	MURS260T3	On Semi
SOD-123	MMSZ4689T1	On Semi
SOD-123	MBR0520L	Fairchild
DO-41	FR107	TSC
TR5	3721100	Wickmann
8 x 10mm	744772472	Wurth Elektronik
8 x 10mm	744772472	Wurth Elektronik
8 x 6mm	744741472	Wurth Elektronik
0.484 x 0.484 inch	MSS1278T-563ML	Coilcraft
0.484 x 0.484 inch	MSS1278T-563ML	Coilcraft
DPAK	FCD4N60	Fairchild
0805	Std	Std
0603	Std	Std
0603	Std	Std
0603	Std	Std
0603	Std	Std
0603	Std	Std
0603	Std	Std
1206	Std	Std
1206	Std	Std
1206	Std	Std
0603	Std	Std
1206	Std	Std
0603	Std	Std
1206	Std	Std
1206	Std	Std
1206	Std	Std
0603	Std	Std
0603	Std	Std
0603	Std	Std
1206	Std	Std
7mm dia	ROV07-471K	Tyco

SO8  
DIP-4A  
SOT23-5

TPS92210D  
PC817A  
LMV321DBV

TI  
Sharp  
TI

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