

Filename: PMP3663_REVB_bom.xls

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PMP3663_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	0.1uF	Capacitor, Leaded, Film, 0.1uF, 275 VAC	6.0 x 12.0 x 17.5mm	BFC233822104	Vishay
1	C2	10nF	Capacitor, Ceramic, 50-V, X7R, ±5%	0805	Std	Std
1	C3	10nF	Capacitor, Ceramic, 50-V, X7R, ±10%	0805	Std	Std
1	C4	0.1uF	Capacitor, Leaded, Film, 0.1uF, 275 VAC	6.0 x 12.0 x 12.5mm	BFC233822104	Vishay
1	C5	0.1uF	Capacitor, Ceramic, 50V, X7R, ±10%	0.200 x 0.216 inch		Std
2	C6	0.1uF	Capacitor, Ceramic, 50-V, X7R, ±10%	0805	Std	Std
1	C7	10nF	Capacitor, Ceramic disc, 1KV	5mm dia	Std	Std
1	C8	47uF	Capacitor, Aluminum Electrolytic, 25V	5 x 11mm	EEUEB1E470S	Panasonic
1	C9	1nF, Y1	Capacitor, Ceramic Disk, Y1	10mm dia	Std	Std
1	C10	2.2uF	Capacitor, Ceramic, 25V, X7R, 10%	0805	Std	Std
	C11	0.1uF	Capacitor, Ceramic, 50-V, X7R, ±10%	0805	Std	Std
1	C12	1000uF	Capacitor, Aluminum, 25V, 20%, Low ESR	10 x 20mm	EEUFR1E102	Panasonic
1	C13	10uF	Capacitor, Ceramic, 25V, X7R, 10%	1210	Std	Std
1	C14	0.22uF	Capacitor, Ceramic, 25-V, X7R, ±10%	0805	Std	Std
1	D1	RH06-T	Bridge Rectifier, 600V, 0.5A	MiniDIP	RH06-T	Diodes
1	D2	FR107	Diode, Fast, 1000V, 1A	DO-41	FR107	TSC
2	D3	FR107	Diode, Fast, 1000V, 1A	DO-41	FR107	TSC
	D4	FR107	Diode, Fast, 1000V, 1A	DO-41	FR107	TSC
1	D5	MURS220	Diode, UltraFast Rectifier, 2-A, 200-V	SMB	MURS220T3	On Semi
1	F1	4.7	Resistor, Fusible, 1/2W, 5%	TH-600	NFR25H0004708J	Vishay
1	L1	12mH	Common mode Inductor, 0.25A, 1ohm	EE1905	Custom	Custom
1	L2	4.7mH	Inductor, 0.25A	10 x 12mm	Custom	Custom
1	Q1	FCD4N60	MOSFET, N-ch, 600V, 4A	DPAK	FCD4N60	Fairchild
1	R1	110K	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
1	R2	36.5K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R3	82.5K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R4	100K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R5	10K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R6	301K	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
3	R7	1M	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
	R8	1M	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
	R9	1M	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
1	R10	6.8	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R11	47K	Resistor, MFR, 1/2W, 5%	1/2W	Std	Std
1	R12	10	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std

1	R13	3.01K	Resistor, Chip, 1/4 watt, ± 5%	1206	Std	Std
3	R14	0.82	Resistor, 1/4 watt, 5%	1206	Std	Std
	R15	0.82	Resistor, 1/4 watt, 5%	1206	Std	Std
	R16	0.82	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R17	46.4K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R18	44.2K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	R19	1.87K	Resistor, Chip, 1/8-W, 1%	0805	Std	Std
1	RT1	275V	MOV, 275V	10mm dia	Std	Std
1	T1	EE-20	Transformer, EE2005S, 6 pin Horizontal	EE2005H	Custom	
1	U1	TPS92210D	IC, Flyback Green-Mode Controller	SO8	TPS92210D	TI
1	U2	uA78L05	IC, Pos. Voltage Regulator, 5-V, 100-mA	SOT-89	uA78L05AIPK	TI
1	U3	PC817A	IC, Optocoupler	DIP-4A	PC817A	Sharp
1	U4	LMV321DBV	IC, Op-Amp Low Voltage Rail-to-Rail Output, 130 µA Typ.	SOT23-5	LMV321DBV	TI
1	J1		Custom			
1	J2		Custom			

- 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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