

Filename: PMP3582_REVA_bom.xls

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PMP3582_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C1	0.1uF	Capacitor, Leaded, Film, 0.10 uF, 275 VAC	6.0 x 12.0 x 17.9mm	1779 410M2F	Vishay
	C2	0.1uF	Capacitor, Leaded, Film, 0.10 uF, 275 VAC	6.0 x 12.0 x 17.9mm	1779 410M2F	Vishay
2	C3	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C4	10nF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
	C5	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C6	22uF	Capacitor, Aluminum, 25V, 20%	5mm dia	Std	Std
2	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std
2	C8	10nF	Capacitor, Ceramic disc, 200V	5mm dia	Std	Std
1	C9	2.2nF, Y1	Capacitor, Ceramic Disk, Y1	7mm dia	Std	Std
	C10	10nF	Capacitor, Ceramic disc, 200V	5mm dia	Std	Std
1	C11	220uF	Capacitor, Aluminum, 100V, 20%, Low ESR	12.5 x 31.5mm	UHE2A221MHD	Nichicon
1	C12	2.2uF	Capacitor, Ceramic, 100V, X7R, 10%	1812	Std	Std
1	C13	0.47uF	Capacitor, Ceramic, 25V, X7R, 10%	0805	Std	Std
	C14	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0805	Std	Std
4	D1	1N4007	Diode, 1000V, 1A	DO-41	1N4007	Diodes
	D2	1N4007	Diode, 1000V, 1A	DO-41	1N4007	Diodes
	D3	1N4007	Diode, 1000V, 1A	DO-41	1N4007	Diodes
	D4	1N4007	Diode, 1000V, 1A	DO-41	1N4007	Diodes
1	D5	18V, 1W	Diode, Zener, 18-V, 1W	DO-41	1N4746A	Vishay
1	D6	BAT54S	Diode, Dual Schottky, 200-mA, 30-V	SOT23	BAT54S	Vishay
2	D7	FR107	Diode, Fast, 1000V, 1A	DO-41	FR107	TSC
1	D8	UF4007	Diode, Ultrafast, 1000V, 1A	DO-41	UF4007	Vishay
1	D9	UF5406	Diode, Ultrafast, 600V, 3A	D0-201AD	UF5406	Vishay
	D10	FR107	Diode, Fast, 1000V, 1A	DO-41	FR107	TSC
1	D11	12V	Diode, Zener, 12-V, 500-mW	DO-35	1N5242B	On Semi
1	D12	68V	Diode, Zener, 68-V, 500-mW	DO-35	1N5266B	On Semi
1	F1	1A	Fuse	5x20mm	0215 001.MXEP	Littelfuse
1	L1	12mH	Common mode Inductor, 0.5A, 1ohm	UT20	86401	Prismatic
1	L2	500uH	Inductor, 0.5A	0.315 DIA inch	24501	Prismatic
1	Q1	FQP8N60C	Transistor, NFET, 600V, 8A	TO-220AB	FQP8N60C	Fairchild
3	R1	220K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
	R2	220K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
	R3	220K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R4	68.1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R5	0	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R6	10	Resistor, Chip, 1/10W, 1%	0603	Std	Std

1	R7	100	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R8	0.22	Resistor, Chip, 1/2W, 5%	2010	Std	Std
1	R9	15	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R10	27K	Resistor, Power, 2W, $\pm 5\%$	TH-990	MOS2CT52R273J	KOA
1	R11	22	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R12	120K	Resistor, Power, 2W, $\pm 5\%$	TH-990	MOS2CT52R124J	KOA
1	R13	10K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R14	10K	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	R15	10K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R16	51.1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R17	14.7K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
2	R18	1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
1	R19	100	Resistor, Chip, 1/10W, 1%	0603	Std	Std
	R20	1K	Resistor, Chip, 1/10W, 1%	0603	Std	Std
2	R21	0.47	Resistor, Chip, 1/4W, 5%	1206	Std	Std
	R22	0.47	Resistor, Chip, 1/4W, 5%	1206	Std	Std
1	RT1	275V	MOV, 275V	10mm dia	Std	Std
1	T1	EI-28	Transformer, EI-28	EI-28	Custom	
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	TI
1	U2	PC817A	IC, Optocoupler	DIP-4A	PC817A	Sharp
1	U3	TL103WID	IC, Dual Op Amp With Internal Reference	SO8	TL103WID	TI
1	HS1	513201	Heatsink, TO-220, Vertical-mount, 5°C/W	0.5x1.38in.	513201	Aavid
1	J1	4300.0097	Header, 2-pin, 5mm spacing	0.197 inch x 2	ED1660	OST
1	J2	D120/2DS	Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35 inch	D120/2DS	OST
1	TP1	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone

- 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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