

**PMP6694RevC\_BOM**

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	330n	Capacitor, Film, 305VAC, 20±%	0.689 x 0.217 inch	B32922C3334K	Epcos
1	C10	10nF	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
6	C11-12 C26 C28 C32-33	0.1uF	Capacitor, X7R Ceramic, 25V, ± 10%	0603	Std	Std
1	C13	22u	Capacitor, Aluminum, 25V, 20%	0.200 * 0.435 inch		Std
1	C14	0.22uF	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
1	C15	47uF	Capacitor, Aluminum, 10uF 25V, ±20%	.250 X .250 inch		Std
1	C17	470n	Capacitor, X7R Ceramic, 16V, ± 10%	0603		Std
1	C18	DNP	Capacitor, COG Ceramic, 25V, ± 10%	0603		Std
2	C19-20	2n2	Capacitor, Ceramic, 2.5kVp, 300Vac, ± 10%			Std
1	C2	DNP	Capacitor, Film, 305VAC, 20±%	0.689 x 0.217 inch	ECQU2A104xL	Std
2	C21 C16	1nF	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
1	C22	330n	Capacitor, X7R Ceramic, 16V, ± 10%	0603		Std
4	C23 C25 C29 C31	DNP	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
1	C24	10u	Capacitor, X7R Ceramic, 16V, ± 10%	0805		Std
1	C27	10n	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
1	C3	220n	Capacitor, Film, 305VAC, 20±%	0.689 x 0.217 inch	B32922C3224K	EPCOS
1	C30	1uF	Capacitor, X7R Ceramic, 25V, ± 10%	0603		Std
1	C4	10nF	Capacitor, X7R Ceramic, 500V	1206		Std
1	C5	1500uF	Capacitor, Aluminum, 25V, ± 20%	0.492 inch	EKZM250ELL152MK20S	Nippon
1	C6	1500uF	Capacitor, Aluminum, 16V, ± 20%	0.492 inch	EKZM250ELL152MK20S	Nippon
1	C7	1uF	Capacitor, X7R Ceramic, 25V, ± 10%	0805		Std
1	C8	0.1uF	Capacitor, X7R Ceramic, 25V, ± 10%	1206		Std
1	C9	100u	Capacitor, Aluminum, 25V, 20%	0.200 * 0.435 inch		Std
1	D1	HD06	Bridge Rectifier, 600V, 0.8A	MINI DIP4	HD06	Diodes, Inc
1	D2	MURA160	Diode, Rectifier, 1A, 1000V	SMA	US1M-13-F	Diodes Inc.
1	D3	B560C	Diode, Schottky, 5-A, 60-V	SMC	B560C	Std
1	D4	MBRS1100T	Diode, Schottky, 1A, 100V	SMB	MBRS1100T3G0SCT-ND	IR
1	D5	DNP	Diode, Schottky, 1A, 100V	SMB	MBRS1100T3G0SCT-ND	IR
1	D6	BAT54A	Diode, Dual Schottky, 300-mA, 30-V	SOT23	BAT54A	ST
1	D7	BZX84C9V1LT1	Diode, Zener, 9.1-V, 350-mW	SOT-23	BZX84C9V1LT1	Diodes
1	D8	DNP	Diode, Hi-Speed, 150-mA, 100V, 500mW	0805	TS4148RY	Taiwan Semiconductor
1	F1	F 2A	Fuse, Very Fast, 2A, 300V	0.335 inch		Std
1	HS1	513201	Heatsink, TO-220, Vertical-mount, 5°C/W	0.5x1.38in.	513201	Aavid
1	J1	B3P-VH	Connector, Top 3-pin, 156 mil spacing,	0.465 X 0.335 inch	B3P-VH	JST
1	J2	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch		OST
1	L1	1mH	Inductor, Filter Choke, 1mH, ±10%	7.80 mm Dia	744732102	WE
1	L2	5mH	Inductor, Coupled, 5mH ±30%	7.5x15 mm	744821150	WE
1	L3	1 mH	Inductor, Coupled, 1mH ±30%	7.5x15 mm	744821201	WE
1	L4	47uH	Inductor, Coupled, 47uH, 2A ±30%	7.5x15 mm	744841247	WE
1	Q1	FMNT493	Trans, NPN Medium Power, 100V 1A	SOT-23	FMNT493	Diodes
1	Q2	SPA06N80C3	MOSFET, N-ch, 800V, 0.9 Ohms	TO-220V	SPA06N80C3	Infineon Technologies
1	R1	NC	Resistor, Chip, ½ W, 1%	0.300 X 0.100 inch		Std
1	R10	12k	Resistor, Chip, 1/10W, 1%	0805		Std
3	R11 R15 R17	665K	Resistor, Metal Film, 1/4 watt, ± 1%	1206		Std
1	R12	20mR	Resistor, Chip, 1/2W, 1%	1210		Std
1	R13	130k	Resistor, Chip, 1/16W, 1%	0603		Std
2	R14 R24	1k	Resistor, Chip, 1/16W, x%	0603		Std
1	R19	DNP	Resistor, Chip, 1/10W, 1%	0805		Std
2	R2 R5	100K	Resistor, Metal Film, 1/4 watt, ± 1%	1206		Std
1	R20	10k	Resistor, Chip, 1/16W, x%	0603		Std
1	R21	39k2	Resistor, Chip, 1/16W, 1%	0603		Std
5	R22 R16 R28 R34	10k	Resistor, Chip, 1/16W, 1%	0603		Std
1	R23	22.0k	Resistor, Chip, 1/16W, x%	0603		Std
1	R25	0.68	Resistor, Metal Film, 1/4 watt, ± 5%	1206		Std
1	R26	330	Resistor, Chip, 1/16W, x%	0603		Std
1	R27	2k74	Resistor, Chip, 1/16W, 1%	0603		Std
1	R29	20k	Resistor, Chip, 1/16W, 1%	0603		Std
1	R3	S10K275E2	Varistor, 275V	0.335 x 0.551 inch	B72210S2271K101	Epcos
1	R30	2k49	Resistor, Chip, 1/16W, 1%	0603		Std
2	R31 R38	DNP	Resistor, Chip, 1/16W, 1%	0603		Std
1	R32	100k	Potentiometer	0.375 sq inch		Std
1	R33	16k9	Resistor, Chip, 1/16W, 1%	0603		Std
1	R35	270	Resistor, Metal Film, 1/4 watt, ± 1%	1206		Std
1	R37	DNP	Resistor, Chip, 1/16W, x%	0603		Std
1	R39	26k1	Resistor, Chip, 1/16W, x%	0603		Std
3	R4 R6-7	68k	Resistor, Metal Film, 1/4 watt, ± 1%	1206		Std
1	R40	5.6k	Resistor, Chip, 1/16W, 1%	0603		Std
2	R41-42	33k	Resistor, Chip, ½ W, 1%	0.300 X 0.100 inch		Std
1	R8	390	Resistor, Metal Film, 1/4 watt, ± 1%	1206		Std
2	R9, R18	10	Resistor, Chip, 1/16W, x%	0603		Std
4	SC1-4		Through Hole for Screw #4 plated			Std
1	T1	1 mH	Transformer, ±10%	21.0 x 25.0 mm	760871133	WE
18	TP1-18	STD	Test Point, 0.032 Hole			Std
1	U1	TLV271IDBV	IC, 500 uA single Chan, R-R Output Op-Amp	SOT23-5	TLV271IDBV	Texas Instruments
1	U2	UCC28810D	IC, LED Lighting Power Controller	SO-8	UCC28811D	Texas Instruments
1	U3	TL103WAID	IC, Dual OpAmp With Internal Reference	SO8	TL103WAID	Texas Instruments
1	U4	FOD817xx	IC, Optocoupler, xx-V, yy% CTR	SMT-4PDIP	FOD817xx	Fairchild
1	ZD1	SMAZ18	Diode, Zener, 18V, 50-mA	SOD-123	SMAZ18	Std

- 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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