

Filename: PMP5191_REVB_bom.xls

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PMP5191_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	0.068uF	Capacitor, Film, 275VAC, 20%	0.689 x 0.217 inch	ECQU2A683ML	Panasonic
1	C12	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H333K	TDK
1	C14	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C15	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C17	0.01uF	Capacitor, Ceramic, 250V, C0G, 10%	1206	Std	TDK
2	C19, C20	1000pF	Capacitor, Ceramic, 2kV, C0G, 10%	1812	Std	Std
1	C2	22uF	Capacitor, Aluminum Electrolytic, 400V	12.5 x20 mm	EKXG401ELL220MK20S	United Chemicon
3	C4, C5, C9	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C6	330uF	Capacitor, Aluminum Electrolytic, 6.3V	0.248 inch	6.3V ZL 330uF 6.3 X 11	Rubycon
1	C7	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	D1	MURA160T3	Diode, Rectifier, 1A, 600V	SMA	MURA160T3	ON Semiconductor
1	D2	RH06-T	Diode, Bridge, 0.5-A, 600-V	MiniDIP	RH06-T	Diodes
1	D4	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	D5	PDS340	Diode, Schottky, 3A, 40-V	Power DI	PDS340	Diodes
1	F1	1A	Fuse, TR5 Series, 1A, 250V	0.335	3701100041	Wickmann
1	L2	1uH	Inductor, 3A, 50milliohm	0.11x0.09 inch	ME3220-102-MLB	Coilcraft
1	L3	14 mH	Inductor, Common Mode Choke, 30%	4.50 x 10.00 mm	744841414	WE
1	Q2	IRFRC20	MOSFET, N-ch, 600V, 2A, 4.4 ohm	DPAK	IRFRC20PbF	Vishay
2	R1, R100	200k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R10	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R11, R14	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	1.30k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1.5	Resistor, Chip, 1/16W, 5%	0805	Std	Std
2	R2, R4	1MEG	Resistor, 1/4 watt, 5%	1206	Std	Std
1	R6	78.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	2.3mH	Transformer, Flyback	21.50 x 22.50 mm	750311844	Würth
4	TP1, TP2, TP3, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
2	TP4, TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U3	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U5	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI
1	U6	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay

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