

PMP4794_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	10uF	Capacitor, Aluminum	12.5 x 25 mm	ECA-2WM100	Panasonic
1	C11	27uF	Capacitor, Aluminum Electrolytic, 25V	0.200 * 0.435 inch	25V ZL 27uF 5 X 11	Rubycon
1	C14	100uF	Capacitor, Aluminum Electrolytic, 25V	0.315 inch	25V ZL 100uF 8 X 7	Rubycon
2	C15, C16	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1210	STD	STD
2	C17, C20	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C18	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
4	C2, C3, C7, C8	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	C3225X7R1C226MT	TDK
1	C21	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H103K	TDK
1	C22	1uF	Capacitor, Ceramic, 16V, X7R, 20%	0603	C1608X7R1C105M	TDK
1	C23	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
2	C4, C9	470uF	Capacitor, Aluminum Electrolytic, 16V	0.315 inch	25V ZL 470uF 8 X 16	Rubycon
3	C5, C10, C19	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
3	D1, D3, D5	MBRS1100	Diode, Schottky, 1A, 100V	SMB	MBRS1100T3	ON Semi
1	D100	16V	Diode, Zener, 16-V, 1W	SMA	SMAZ16	Diodes
1	D101	5.1V	Diode, Zener, 5.1-V	SOT23	BZX84C5V1LT1	ON Semiconductor
2	D102, D103	SMCJ100CA	Diode, Transient Voltage Suppressor, 100V	D0-214AA	SMCJ100CA	Diodes
1	D2	US1K-13	Diode, Ultrafast Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc.
3	D4, D6, D7	MMSD914	Diode, Switching, 100-V, 200-mA, 225-mW	SOD-123	MMSD914T1	On Semi
1	JP1	923345-07-C	Jumper, 0.700 inch length, PVC Insulation, AWG 22,	AWG 22	923345-07-C	Belden
3	L1, L2, L3	0.33uH	Inductor, 6.2A, 7milliohms	0.300 sq"	DR73-R33	Coiltronics
1	Q1	IRFBE20PbF	MOSFET, Nchan, 800V, 1.2A, 6.5ohm	TO-220AB	IRFBE20PbF	Vishay
1	Q100	MMBT2222A	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor
1	R100	100	Resistor, Chip, 1/16W, 5%	0805	Std	Std
1	R11	27.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R14, R15, R101	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R16, R102	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	1.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R19	1.2	Resistor, Chip, 1/4W, 5%	1210	Std	Std
2	R2, R6	DNP	Do Not Populate	1210	N/A	N/A
1	R21	12.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R5	1.74MEG	Resistor, Chip, 1/4W, 5%	1210	Std	Std
3	R7, R12, R20	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	115k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R9, R10	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	1.8 mH	Transformer, Custom, Flyback	0.850 X 0.850 inch	PA2872NL	Pulse
5	TP1, TP2, TP5, TP8, TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
4	TP3, TP4, TP6, TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U2	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U3	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U4	TLV431A	IC, Low-Voltage Adjustable Shunt Regulator	SOT23-3	TLV431AIDBZ	TI

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