

### PMP4891\_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	100uF	Capacitor, Aluminum Electrolytic, 400V	0.886 Dia.	ECOS2GP101BA	Panasonic
1	C10	47uF	Capacitor, Aluminum, 25V, FC Series	0.200 * 0.435 inch	EEUFC1E470	Panasonic
2	C12, C17	100pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H101K	TDK
1	C13	0.047uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H473K	TDK
1	C14	0.033uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
1	C2	0.22uF	Capacitor, EMI Suppresion, 275V	0.709 x 0.236 inch	B81130-C1224	Epcos
3	C3, C19, C20	4700pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA472ME	Panasonic
1	C4	0.01uF	Capacitor, Polyester, 630V, 10%	0.670 X 0.295 inch	ECQ-E6103	Panasonic
1	C6	2200uF	Capacitor, Aluminum Electrolytic, 16V	0.492 inch	16V ZL 2200uF 12.5 X 25	Rubycon
3	C7, C8, C9	22uF	Capacitor, Ceramic, 16-V, X5R, 20%	1210	C3225X5R1C226MT	TDK
1	D1	48CTQ060	Diode, Dual Schottky, 40A, 60V	TO-220	48CTQ060	International Rectifier
1	D2	KBP06G	Diode, Bridge Rectifier, 1.5A, 600V	0.580 x 0.145 inch	KBP06G	Diodes
1	D3	US1K-13	Diode, Ultrafast Rectifier, 1A, 800V	SMA	US1K-13	Diodes Inc
1	D4	BAS16	Diode, Switching, 75V, 200mA	SOT23	BAS16LT1	On Semiconductor
1	F1	2.5A/250V	Fuse, TR5 Series, 2.5A, 250V	0.335	3701250041	Wickmann
2	HS1, HS2	{Value}	Heatsink, TO-220/218 veritcal	0.640 x 0.640	634-10ABP	Wakefield
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	L1	10mH	Inductor, 1A, 550-milliohm	0.748 x 1.024 inch	ET24V-103	GCI
1	Q1	IRFBE30	MOSFET, N-ch, 800-V, 4.1-A, 3-Ohms	TO-220V	IRFBE30	International Rectifier
2	R10, R12	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	499k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R13, R101	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R14	13k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	2.21k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R17	0.3	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R18	2.61k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
4	R2, R3, R102, R103	49.9k	Resistor, Chip, 1W, 5%	2512	STD	STD
2	R4, R5	499k	Resistor, Chip, 1/4W, 5%	1210	Std	Std
1	R7	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	RT1	2.5 Ohms	Thermistor, NTC, 2.5 Ohms, 6.5-A	0.590 x 0.276	B57237S0259M000	Epcos
1	T1	ERL2834	Transformer, Custom Flyback	1.063 X 1.181 inch	ERL2834	Frontier Electronics
2	TP1, TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	5000	Keystone
2	TP3, TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
1	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	Texas Instruments
1	U2	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U3	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	Texas Instruments

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