

PMP6910_REVB BOM

COUNT	RefDes	VALUE	Description	Size	Part Number	MFR
1	C1	0.39uF	Capacitor, Metal Poly, 630V, -40/+85 °C, ±10%	0.236 x 1.043	ECQ-E6394KF	Panasonic - ECG
1	C10	0.022uF	Capacitor, Ceramic, 25V, X7R, ±10%	0603	ECJ-1VB1E223K	Panasonic - ECG
1	C11	390pF	Capacitor, Ceramic, 50V, X7R, ±10%	0603	GRM188R71H391KA01D	Murata Electronics
1	C12	100pF	Capacitor, Ceramic, 100V, C0G, ±5%	0603	GRM1885C2A101JA01D	Murata Electronics
2	C13, C100	27uF	Capacitor, Aluminum Electrolytic, 25V	0.200 * 0.435 inch	STD	STD
1	C14	1uF	Capacitor, Ceramic, 50V, X7R, ±10%	0.200 x 0.256 inch	B37984M5105K000	EPCOS
1	C15	0.1uF	Capacitor, Ceramic, 50V, X7R, ±10%	0.200 x 0.256 inch	B37987F5104K054	EPCOS
1	C16	0.022uF	Capacitor, Polyester, 400V, 10%	0.311 x 0.213 inch	ECQ-E2223KB	Panasonic
1	C17	0.01uF	Capacitor, Polyester Film, 630V, -40/+85 °C, ±10%	0.472 x 0.177 in	ECQ-E6103KF	Panasonic - ECG
1	C19	4.7nF	Capacitor, Cer. Disc, 250V, -25/+85 °C, ±20%	0.394 x 0.315 inch Max.	ECK-ANA472ME	Panasonic
1	C2	0.047uF	Capacitor, Metal Poly, 630V, -40/+85 °C, ±10%	0.709 x 0.236	ECQ-E6473KF	Panasonic - ECG
1	C20	220pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
1	C21	2200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	STD	STD
6	C22, C23, C25, C27, C29, C30	1uF	Capacitor, Ceramic, 100V, X7S, ±10%	0805	STD	STD
3	C24, C26, C28	220uF	CAP ALUM 220UF 80V 20% RADIAL	0.571 inch	UBT1K221MHD1TO	Nichicon
2	C3, C6	1nF	Capacitor, Ceramic, 50V, X7R, ±10%	0805	C0805C102K5RACTU	Kemet
1	C4	2.2uF	Capacitor, Ceramic, 16V, X7R, ±10%	1206	ECJ-3YB1C225K	Panasonic - ECG
1	C5	10nF	Capacitor, Ceramic, 50V, X7R, ±10%	0805	C0805C103K5RACTU	Kemet
1	C7	47pF	Capacitor, Ceramic, 50V, C0G, ±5%	0805	C0805C470J5GACTU	Kemet
1	C8	0.1uF	Capacitor, Ceramic, 25V, X7R, ±10%	0805	ECJ-2VB1E104K	Panasonic - ECG
1	C9	82uF	Capacitor, Aluminum Electrolytic, 450VDC, -40/+85 °C, ±20%	0.984 inch Dia.	EET-ED2W820CA	Panasonic - ECG
4	D1, D2, D3, D4	S3J	Diode, Rectifier GPP, 3A, 600V, SMC	SMC	S3J-13-F	Diodes Inc
1	D101	33V	Diode, Zener, 33-V, 1W	SMA	SMAZ33	Diodes
1	D13	MUR180	DIODE SUPER FAST 1A 800V DO-41	DO-41	MUR180	STD
1	D15	MBR20200CT	Diode, Dual Schottky, 10A, 200V	TO-220AB	MBR20200CT	ON Semi
2	D17, D100	1N4148	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	1N4148W-7-F	Diodes
1	D5	6A6T	Diode, Rectifier, 6A, 400A pk surge, 600V	P600	6A6-T	Diodes Inc
2	D6, D7	STTH2R06A	Diode, Fast Recovery, 2A, 600V	SMA	STTH2R06A	STMicroelectronics
1	D8	MURS360T3	Diode, Ultra Fast, 3A, 600V, SMC	SMC	MURS360T3	ON Semiconductor
1	F1	4A Fuse	Fuse, Axial, Fast Acting, 4A, 250V,	0.145 x 0.300 inch	0263004.M	Littelfuse
1	FB100	30 Ohms	FERRITE CHIP 30 OHM 5A 0603	1608	MPZ1608S300A	TDK
2	HS1, HS3	593002	Heatsink, TO-220, Vertical-mount, 15°C/W	0.5 x 0.95 inch	593002B03400G	Aavid
1	HS2	578622B03200	Heat Sink, Dual Basic Manual Attachment, TO-220, Vertical Mount	1.48 x 0.50 inch	578622B03200	Aavid
1	J1	AC LINE	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	J2	NEUTRAL	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	J3	DC IN +	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	J4	DC RTN	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	J5	+54V OUT	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	J6	VOUT RTN	Connector, Banana Jack, Uninsulated	0.500 dia. inch	3267	Pomona
1	JP1	STD	0.2 LONG JUMPER WIRE, PVC insulation, AWG 22, Solid	0.059 High	923345-02-C	3M Electronics
1	JP10	STD	1.4 LONG JUMPER WIRE, PVC insulation, AWG 22, Solid	0.059 High	8530-100-9	BELDEN
1	JP11	STD	Jumper, Through Hole 0.035,		STD	STD
3	JP2, JP3, JP7	STD	0.8 LONG JUMPER WIRE, PVC insulation, AWG 22, Solid	0.059 High	923345-08-C	3M Electronics
2	JP5, JP6	STD	0.6 LONG JUMPER WIRE, PVC insulation, AWG 22, Solid	0.059 High	923345-06-C	3M Electronics
1	L1	27mH	Inductor, Dual Winding	1.032 x 1.043 inch	CTX16-17413-R	Cooper Electronic Technologies
1	L2	232uH	Xfmr, Boost Inductor	1.122 x 1.122 inch	CTX16-17298	Cooper Electronic Technologies
1	Q1	11N60S5	MOSFET, N-ch, 650V, 11A, 380milliOhms	TO-220V	11N60S5	Infineon Technologies
1	Q3	SPP02N80C3	MOSFET N-CH 800V 2A TO-220AB	TO-220AB	SPP02N80C3	Infineon
1	R1	10.2k	Resistor, Chip, 10.2k-Ohms, 1/4W, ±1%, 1206	1206	RC1206FR-0710K2L	Yageo America
1	R10	10	Resistor, Chip, 10-Ohms, 1/4W, ±1%, 1206	1206	9C12063A10R0FKHFT	Yageo America

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2	R11, R12	0.4	Resistor, Chip, 0.4-Ohms, 1W, ±1%, 2512	2512	WSL2512R4000FEA	Vishay/Dale
1	R13	49.9	Resistor, Chip, 49.9-Ohms, 1/4W, ±1%, 1206	1206	RC1206FR-0749R9L	Yageo America
1	R17	6.19k	Resistor, Chip, 6.19k-Ohms, 1/4W, ±1%, 1206	1206	RC1206FR-076K19L	Yageo America
6	R2, R3, R4, R14, R15, R16	332k	Resistor, Chip, 332k-Ohms, 1/4W, ±1%, 1206	1206	9C12063A3323FKHFT	Yageo America
1	R22	680k	Resistor, Metal Film, 680k-Ohm, 1/4W, ±1%, Axial	RN55	ERO-S2PHF6803	Panasonic - ECG
2	R23, R24	680k	Resistor, Chip, 680k-Ohms, 1/4-W, ±5%, 1206	1206	ERJ-8GEYJ684V	Rohm
1	R26	10	Resistor, Chip, 10-Ohms, 1/16W, ±1%, 0603	0603	ERJ-3EKF10R0V	Panasonic - ECG
1	R27	82.5k	Resistor, Metal Film, 82.5k-Ohms, 1/4 watt, ±1%, Axial	RN55	STD	STD
1	R28	21.0k	Resistor, Metal Film, 21.0k-Ohms, 1/4 Watt, ± 1%	0.300 X 0.100 inch	STD	STD
1	R29	1.21k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R30	10k	Resistor, Metal Film, 10k-Ohm, 1/4W, ±1%, RN55	RN55	ERO-S2PHF1002	Panasonic - ECG
4	R32, R100, R101, R102	6.8k	Resistor, Metal Oxide, 6.8k-Ohms, 3W, ±5%,	1.300 X 0.205 inch	STD	STD
2	R33, R103	0.5	Resistor, 0.5-Ohms, 3W, ±1%, Axial	0.600 * 0.250 inch	STD	STD
1	R34	4.99k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R35	1k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
2	R37, R39	100k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R38	20	Resistor, Chip, 20-Ohm, 1/10W, ±5%, 0603	0603	RC0603JR-0720RL	Yageo America
1	R40	4.87k	Resistor, Chip, 1/16W, 1%	0603	STD	STD
1	R5	6.04k	Resistor, Chip, 6.04k-Ohms, 1/4W, ±1%, 1206	1206	9C12063A6041FKHFT	Yageo America
1	R6	100	Resistor, Chip, 100-Ohms, 1/2W, ±1%, 2010	2010	ERJ-12SF1000U	Panasonic - ECG
1	R7	10k	Resistor, Chip, 10k-Ohms, 1/4W, ±1%, 1210	1210	ERJ-14NF1002U	Panasonic - ECG
1	R8	20	Resistor, Chip, 20-Ohms, 1/4W, ±1%, 1206	1206	RC1206FR-0720RL	Yageo America
2	R9, R25	0	Resistor, Chip, 0-Ohms, 1/4W, ±5%, 1206	1206	9C12063A0R00JLHFT	Yageo America
1	T1	580uH	Transformer, ETD34	1500 x 1800 inch	YT-26894-1	Elytone
1	TP1	PFC_BIAS	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP10	OUT	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP11	CS	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
2	TP12, TPG1	SIGNAL_GND	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP13	DRAIN	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP14	PWR_GND	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP16	VDD	Test Point, SMT	0.105 x 0.040 inch	5015	Keystone
1	TP17	AUX_WINDING	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP3	FB	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP5	LOOP_COMP +	Test Point, SMT	0.105 x 0.040 inch	5015	Keystone
1	TP6	LOOP_COMP -	Test Point, SMT	0.105 x 0.040 inch	5015	Keystone
1	TP7	VOUT	Adaptor, 3.5-mm probe clip (or 131-5031-00)	0.200 inch	131-4244-00	Tektronix
1	TP8	VOUT RTN	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	TP9	VOUT	Pin, Thru Hole, Tin Plate, for 0.062 PCB's	0.039 inch	K24A/M	Vector
1	U1	UCC28051D	IC, Transistion Mode PFC Controller	SO8	UCC28051D	TI
1	U2	UCC28600D	IC, Quasi-Resonant Flyback Green Mode Controller	SO8	UCC28600D	TI
1	U3	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U4	TL431CDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL1431QDBZ	TI

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