

## PMP10948 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB100	1		PMP10948	Any	Printed Circuit Board	
C100, C101, C107, C108	4	2200pF	DE6E3KJ222MN3A	MuRata	CAP, CERM, 2200 pF, 300 V, +/- 20%, E, TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 9x7mm, Pin Spacing 7.5mm
C102, C106	2	220pF	DE2B3KY221KA3BU02F	Murata	CAP CER 220PF 300VAC 10% RADIAL	5x7.5 mm
C103, C104, C105	3	0.47uF	ECQ-U2A474ML	Panasonic	CAP, Film, 0.47 μF, 275 V, +/- 20%, TH	Radial 25x8.5x18.5
C109	1	1uF	0805YD105KAT2A	AVX	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0805	0805
C200, C203, C300, C303	4	1uF	ECQ-E2W105KH	Panasonic	CAP, Film, 1 μF, 450 V, +/- 10%, TH	Radial 18.2x8.5x17.9
C201, C202, C301, C302	4	270uF	450VXH270MEFCSN30X30	Rubycon	CAP ALUM 270UF 450V 20% SNAP	D30xL30mm
C204, C205, C304, C305	4	22pF	C0603C220J5GACTU	Kemet	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C206, C208, C306, C308	4	1000pF	C1608X7R1H102K	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
C207, C210, C214, C307, C310, C314	6	2.2uF	0805YD225KAT2A	AVX	CAP, CERM, 2.2 μF, 16 V, +/- 10%, X5R, 0805	0805
C209, C213, C309, C313	4	680pF	GRM188R71H681KA01D	MuRata	CAP, CERM, 680 pF, 50 V, +/- 10%, X7R, 0603	0603
C211, C311	2	1uF	UMK107AB7105KA-T	Taiyo Yuden	CAP, CERM, 1 μF, 50 V, +/- 10%, X7R, 0603	0603
C212, C312	2	0.1uF	EMK107B7104KA-T	Taiyo Yuden	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X7R, 0603	0603
C215, C315	2	1000pF	06031C102MAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 20%, X7R, 0603	0603
D100, D101	2	600V	D25XB60-7000	Shindengen	Diode, Switching-Bridge, 600 V, 3.5 A, TH	5S
D102	1	12V	MMSZ4699T1G	ON Semiconductor	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
D103	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D200, D201, D300, D301	4	0.98V	MUR860G	ON Semiconductor	Diode, Ultrafast, 600V, 8A, TH	TO-220AC
F100	1		0325020.MXP	Littelfuse	Fuse, 20 A, 60 V, TH	3AB
H100	1		641A	Wakefield Solutions	Heat Sink TO-3	Heat Sink TO-3
H200, H201, H202, H203, H300, H301, H302, H303	8		513002B02500G	Aavid	BOARD LEVEL HEATSINK .5" TO-220	12.70x50.80x34.92 mm
H305, H306, H308	3		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H310, H311, H313	3		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J100	1		703W-00/54	Qualtek Electronics Corporation	AC Receptacle, 10A 250VAC	20X50X28.7mm
J200, J201, J202, J300, J301, J302, J303	7	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
K100	1		875B-1CC-F-S-12VDC	SONG CHUAN	Relay, SPDT ( 1 Form C), 16A, 12 VDC, TH	21x16mm
L100	1	3mH	7448052303	Wurth Elektronik eiSos	Coupled inductor, 3 mH, A, 0.003 ohm, +/- 50%, TH	37x23mm
L101		5mH	7448062105	Wurth Elektronik eiSos	Coupled inductor, 5 mH, A, 0.0065 ohm, +/- 50%, TH	48x27mm
L201, L203	2	160 uH	750315320	Wurth Elektronik eiSos	Transformer, 160 uH, TH	37.34x35.56mm
L300, L301	2	160 uH	PFC4124QM-161K06D-00	TDK	Transformer, 160 uH, TH	43x38mm

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Q200, Q202, Q300, Q302	4	600V	IPW60R070C6	Infineon Technologies	MOSFET N-CH 600V 53A TO247	TO-247
Q201, Q203, Q301, Q303	4	20V	FMMT718TA	Diodes Inc.	Transistor, PNP, 20V, 1.5A, SOT-23	SOT-23
R100, R101, R102	3	432k	CRCW1206432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.25 W, 1206	1206
R103	1	10	TWW10J10RE	Ohmite	RES, 10, 5%, 10 W, TH	12.5x9mm
R104, R105	2	75	CRCW120675R0JNEA	Vishay-Dale	RES, 75, 5%, 0.25 W, 1206	1206
R200, R206, R300, R306		3.0	CRCW06033R00JNEA	Vishay-Dale	RES, 3.0 ohm, 5%, 0.1W, 0603	0603
R201, R202, R203	3	0.02	CSRN2010FK20L0	Stackpole Electronics Inc	RES, 0.02, 1%, 1 W, 2010	2010
R204, R212, R304, R312	4	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R205, R215	2	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R207, R223, R307, R323	4	3.01Meg	CRCW08053M01FKEA	Vishay-Dale	RES, 3.01 M, 1%, 0.125 W, 0805	0805
R208, R209, R216, R308, R309, R316	6	2.87Meg	CRCW08052M87FKEA	Vishay-Dale	RES, 2.87 M, 1%, 0.125 W, 0805	0805
R210, R211, R310, R311	4	20.5k	CRCW060320K5FKEA	Vishay-Dale	RES, 20.5 k, 1%, 0.1 W, 0603	0603
R213, R217, R221, R222, R313, R317, R321, R322	8	2.74Meg	CRCW08052M74FKEA	Vishay-Dale	RES, 2.74 M, 1%, 0.125 W, 0805	0805
R214, R314	2	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R218, R224, R318, R324	4	133k	CRCW0603133KFKEA	Vishay-Dale	RES, 133 k, 1%, 0.1 W, 0603	0603
R219, R319	2	11.3k	CRCW060311K3FKEA	Vishay-Dale	RES, 11.3 k, 1%, 0.1 W, 0603	0603
R226, R326	2	121k	CRCW0603121KFKEA	Vishay-Dale	RES, 121 k, 1%, 0.1 W, 0603	0603
R227, R327	2	82.5k	CRCW060382K5FKEA	Vishay-Dale	RES, 82.5 k, 1%, 0.1 W, 0603	0603
R228, R328	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R301, R302, R303	3	0.025	CSRN2010FK25L0	Stackpole Electronics Inc	RES, 0.025, 1%, 1 W, 2010	2010
RV100	1		S10K275E2	EPCOS Inc	Varistor 275V RMS 10MM Radial, TH	10mm Radial
U200, U300	2		UCC27324D	Texas Instruments	DUAL 4-A PEAK HIGH SPEED LOW- SIDE POWER MOSFET DRIVERS, D0008A	
U201, U301	2		UCC28063DR	Texas Instruments	Natural Interleaving™ Transition-Mode PFC Controller with Improved Audible Noise Immunity, D0016A	D0016A
L200, L202	0	160 uH	PFC4124QM-161K06D-00	TDK	Transformer, 160 uH, TH	43x38mm
TP300, TP301, TP302, TP303, TP304, TP305,	0		3104-2-00-34-00-00-08-0	Mill-Max	PCB Pin, Swage Mount, TH	3104-2
TP306, TP307						

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