

PMP10912 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB100	1		PMP10912	Any	Printed Circuit Board	
C100, C104	2	100pF	C1608C0G2A101J	TDK	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	0603
C101, C105	2	560uF	LGG2E561MELA35	Nichicon	CAP ALUM 560UF 250V 20% SNAP	CAP, 25x25mm
C102	1	1uF	450MPK105J	Rubycon	CAP FILM 1UF 450VDC RADIAL	Radial 18.2x8.5x17.9
C103, C111	2	470pF	VY2471K29Y5SS63V7	Vishay-Bccomponents	CAP, CERM, 470pF, 300V, +/-10%, VY2, 5x7.5 mm	5x7.5 mm
C106	1	0.33uF	ECQ-U2A334ML	Panasonic	CAP, Film, 0.33uF, 275V, +/-20%, TH	RCAP, 17.5x17.5x9.5mm
C107, C108, C109, C112, C113, C114, C115	7	680uF	UHW1V681MPD6	Nichicon	CAP ALUM 680UF 35V 20% RADIAL	CAPPR5-10x16
C110	1	0.1uF	C1206C104J5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 1206	1206
C116	1	2200pF	DE1E3KX222MN5AA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, 10.0x8.0x14.0mm	10.0x8.0x14.0mm
C117	1	1000pF	C0805C102K1RACTU	Kemet	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0805	0805
C118	1	33uF	25PX33MEFC5X11	Rubycon	CAP ALUM 33UF 25V 20% RADIAL	RCAP, 5x5mm
C119	1	10pF	C0603C100J5GACTU	Kemet	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603
C120	1	220pF	06035A221JAT2A	AVX	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C121	1	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
D100, D103	2	120V	STPS30SM120STN	STMicroelectronics	DIODE SCHOTTKY 120V 30A TO220AB	TO-220AB
D101, D104, D114	3	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
D102, D106	2	600V	MURS360T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 3 A, SMC	SMC
D105	1	16V	MMSZ5246BS-7-F	Diodes Inc.	Diode, Zener, 16 V, 200 mW, SOD-323	SOD-323
D107	1	420V	GBU8J-BP	Micro Commercial Component	Diode, Switching-Bridge, 420V, 8A, TH	GBU
D108	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D109, D111	2	1000V	1N4007	Fairchild Semiconductor	Diode, P-N, 1000V, 1A, TH	DO-41
D110	1	5.1V	MMSZ5231B-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 500 mW, SOD-123	SOD-123
D112	1	70V	BAV70-V	Vishay-Semiconductor	Diode, Switching, 70V, 0.25A, SOT-23	SOT-23
D113	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
D115	1	15V	MMSZ5245BS-7-F	Diodes Inc.	Diode, Zener, 15 V, 200 mW, SOD-323	SOD-323
F100	1		37216300001	Littelfuse	Fuse, 6.3 A, 250 V, TH	TR5 fuse 8.5mm DIA
H100, H102	2		513002B02500G	Aavid	BOARD LEVEL HEATSINK .5" TO-220	12.70x50.80x34.92 mm
H101, H104	2		513201B02500G	Aavid	HEATSINK TO-218/TO-247 W/PINS 2"	12.70x50.80x34.92 mm
H103	1		530614B00000G	Aavid	Heat Sink, TO-220, TH	TO-220 Heat Sink
J100	1		1-1318301-3	TE Connectivity	Header, 312mil, 3x1, Tin, TH	19.7x10.7 x8.5 mm
J101	1	2x1	1715721	Phoenix Contact	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block
J102	1		923345-01-C	3M	Jumper Wire, 100mil spacing, pkg of 200, TH	Wire Jumper
L100	1	68uH	RFS1317-683KL	Coilcraft	Inductor, Shielded, Ferrite, 68 uH, TH	13.3mm DIA
L101	1	10mH	744825510	Würth Elektronik eiSos	Coupled inductor, 10 mH, 5 A, 0.055 ohm, TH	30x35x21mm
Q100, Q103	2	560V	SPW32N50C3	Infineon Technologies	MOSFET N-CH 560V 32A TO-247	TO-247
Q101	1	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
Q102	1	1.6V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60V, 0.8A, SOT-23	SOT-23
Q104	1	40 V	PZT2222A	Fairchild Semiconductor	Transistor, NPN, 40 V, 1 A, SOT-223	SOT-223
R100, R105	2	DNP	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805

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R101, R103, R104, R106, R111, R115	6	100k	CRCW1206100KJNEA	Vishay-Dale	RES, 100k ohm, 5%, 0.25W, 1206	1206
R102	1	3.0	CRCW06033R00JNEA	Vishay-Dale	RES, 3.0, 5%, 0.1 W, 0603	0603
R107, R108, R109	3	7.5k	CRCW12067K50JNEA	Vishay-Dale	RES, 7.5 k, 5%, 0.25 W, 1206	1206
R110	1	22.6k	CRCW060322K6FKEA	Vishay-Dale	RES, 22.6 k, 1%, 0.1 W, 0603	0603
R112	1	34.8k	CRCW060334K8FKEA	Vishay-Dale	RES, 34.8 k, 1%, 0.1 W, 0603	0603
R114	1	3.9k	CRCW06033K90JNEA	Vishay-Dale	RES, 3.9k ohm, 5%, 0.1W, 0603	0603
R116	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100 ohm, 1%, 0.1W, 0603	0603
R117	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R118	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R119	1	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.125 W, 0805	0805
R120	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0k ohm, 5%, 0.1W, 0603	0603
R121, R122	2	0.22	CSRN2512FTR220	Stackpole Electronics Inc	RES, 0.22, 1%, 2 W, 2512	2512
R123	1	698	CRCW0603698RFKEA	Vishay-Dale	RES, 698, 1%, 0.1 W, 0603	0603
RT100	1	1 ohm	B57237S109M	EPCOS Inc	Thermistor NTC, 1 ohm, 20%, 15x7mm	15x7mm
RT101	1	470k ohm	B57164K474J	EPCOS Inc	Thermistor NTC, 470k ohm, 5%, Disc, 5.5x5mm	Disc, 5.5x5mm
T100	1	200 uH	750315340	Würth Elektronik eiSos	Transformer, 200 uH, TH	41.9x49mm
T101	1	750 uH	760301302	Würth Elektronik eiSos	Transformer, 750 uH, TH	10.5x10.5mm
U100	1		UCC28630D	Texas Instruments	High-Power Flyback Controller with Primary-Side Regulation and Peak-Power Mode, D0007A	D0007A
R113	0	80.6k	CRCW060380K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603

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