

PMP20396 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB	1		PMP20396	Any	Printed Circuit Board	
C900	1	2.2uF	CKG57NX7T2W225M500JH	TDK	CAP, CERM, 2.2 µF, 450 V, +/- 20%, X7T, AEC-Q200 Grade 1, 6x5x5mm	6x5x5mm
C901	1	0.047uF	GRM32DR72J473KW01L	MuRata	CAP, CERM, 0.047 µF, 630 V, +/- 10%, X7R, 1210	1210
C902	1	0.22uF	GRM55DR72J224KW01L	MuRata	CAP, CERM, 0.22 µF, 630 V, +/- 10%, X7R, 2220	2220
C903, C921	2	22uF	GRM21BR60J226ME39L	MuRata	CAP, CERM, 22 µF, 6.3 V, +/- 20%, X5R, 0805	0805
C904	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C905, C906	2	22uF	GRM32EC81E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X6S, 1210	1210
C907, C920	2	1uF	C0603C105K8PACTU	Kemet	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0603	0603
C908, C909, C910	3	470uF	PLF1C471MDO1	Nichicon	CAP, AL, 470 µF, 16 V, +/- 20%, 0.009 ohm, TH	THD, 2-Leads, 10 mm Dia, Height 13 mm, Pin Spacing 5 mm
C913	1	10uF	1210YD106KAT2A	AVX	CAP, CERM, 10 µF, 16 V, +/- 10%, X5R, 1210	1210
C914	1	1uF	C0603C105K4PACTU	Kemet	CAP, CERM, 1 µF, 16 V, +/- 10%, X5R, 0603	0603
C915	1	0.1uF	08053C104KAT2A	AVX	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0805	0805
C917	1	0.1uF	GRM155R61H104ME14D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X5R, 0402	0402
C918	1	4.7uF	C3225X5R1H475K250AB	TDK	CAP, CERM, 4.7 µF, 50 V, +/- 10%, X5R, 1210	1210
C919, C929	2	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C922	1	0.01uF	0603ZC103KAT2A	AVX	CAP, CERM, 0.01 µF, 10 V, +/- 10%, X7R, 0603	0603
C923	1	1000pF	06031C102MAT2A	AVX	CAP, CERM, 1000pF, 100V, +/-20%, X7R, 0603	0603
C924	1	4.7uF	12063D475KAT2A	AVX	CAP, CERM, 4.7 µF, 25 V, +/- 10%, X5R, 1206	1206
C925, C926	2	10uF	885012208069	Würth Elektronik	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1206	1206
C927	1	56uF	UPJ1V560MED1TD	Nichicon	CAP, AL, 56 µF, 35 V, +/- 20%, 0.45 ohm, TH	TH, 2-Leads, Dia 6.3mm, PinSpacing 2.5mm
C928	1	0.47uF	885012207102	Würth Elektronik	CAP, CERM, 0.47 µF, 50 V, +/- 10%, X7R, 0805	0805
C930	1	2200 pF	C921U222MYWDBA7317	Kemet	CAP, CERM, 2200pF, 250V, +/-20%, E, Cap, 7x12x9 mm TH	
C931	1	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
C932	1	0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22 µF, 25 V, +/- 10%, X7R, 0603	0603
D900, D907	2	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
D901	1	30V	BAT54-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
D902, D910	2	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
D903	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100 V, 0.25 A, SOD-323	SOD-323
D904	1	16V	MMSZ5246BS-7-F	Diodes Inc.	Diode, Zener, 16 V, 200 mW, SOD-323	SOD-323
D905	1	100V	B1100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 1 A, SMA	SMA
D906	1	5.1V	MMSZ5231B-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 500 mW, SOD-123	SOD-123
D908, D909	2	150V	DFLS1150-7	Diodes Inc.	Diode, Schottky, 150 V, 1 A, PowerDI123	PowerDI123
D911	1	27V	MMSZ5254B-7-F	Diodes Inc.	Diode, Zener, 27 V, 500 mW, SOD-123	SOD-123
D912	1	13V	SMAJ13A	Littelfuse	Diode, TVS, Uni, 13 V, SMA	SMA
D913	1	33V	SMAJ33A	Littelfuse	TVS DIODE 33VWM 53.3VC SMA	SMA
L900	1	2.2uH	744025002	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 2.2 µH, 1.8 A, 0.057 ohm, SMD	Inductor, 2.8x2.8x2.8mm
L901	1	6.8uH	744025006	Würth Elektronik eiSos	FIXED IND 6.8UH 1.1A 165 MOHM	Inductor, 2.8x2.8x2.8mm
L902	1	2.2uH	XAL5030-222MEB	Coilcraft	Inductor, Shielded, Composite, 2.2 µH, 9.2 A, 0.01 ohm, SMD	5.3x31.x5.5mm
Q900, Q903	2	600V	IPL65R230C7AUMA1	Infineon Technologies	MOSFET N-CH 650V 10A 4VSON	PG-VSON-4
Q901	1	60V	2N7002-7-F	Diodes Inc.	MOSFET, N-CH, 60 V, 0.17 A, SOT-23	SOT-23
Q902	1	40 V	MMBT2222A	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.15 A, SOT-23	SOT-23
Q904	1	80V	CSD19502Q5B	Texas Instruments	MOSFET, N-CH, 80 V, 100 A, VSON-CLIP-8	DNK0008A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
Q905	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R900	1	3.0	CRCW06033R00JNEA	Vishay-Dale	RES, 3.0, 5%, 0.1 W, 0603	0603
R901, R902, R903, R933	4	1.00k	RNCP1206FTD1K00	Stackpole Electronics Inc	RES SMD 1K OHM 1% 1/2W 1206	1206
R905	1	68.1k	RG1608P-6812-B-T5	Susumu Co Ltd	RES, 68.1 k, 0.1%, 0.1 W, 0603	0603
R906, R908	2	432k	RC0603FR-07432KL	Yageo America	RES, 432 k, 1%, 0.1 W, 0603	0603
R907	1	10.0	CRCW080510R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.125 W, 0805	0805
R909	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R910	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R911	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R912	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R913, R929	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R914	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
R915	1	866	CRCW0603866RFKEA	Vishay-Dale	RES, 866, 1%, 0.1 W, 0603	0603
R916	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R917	1	36.0k	RC0603FR-0736KL	Yageo America	RES, 36.0 k, 1%, 0.1 W, 0603	0603
R918	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, 0402	0402
R919	1	0.3	CSRN2010FKR300	Stackpole Electronics Inc	RES, 0.3, 1%, 1 W, 2010	2010
R920	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8 k, 1%, 0.1 W, 0603	0603
R921	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R922	1	237	CRCW0603237RFKEA	Vishay-Dale	RES, 237, 1%, 0.1 W, 0603	0603
R923	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, 0603	0603
R924	1	2.00k	CRCW12062K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.25 W, 1206	1206
R925	1	2.26k	CRCW06032K26FKEA	Vishay-Dale	RES, 2.26 k, 1%, 0.1 W, 0603	0603
R926	1	15	CRCW060315R0JNEA	Vishay-Dale	RES, 15 ohm, 5%, 0.1W, 0603	0603
R927	1	33.2	CRCW060333R2FKEA	Vishay-Dale	RES, 33.2, 1%, 0.1 W, 0603	0603
R928	1	9.53k	CRCW06039K53FKEA	Vishay-Dale	RES, 9.53 k, 1%, 0.1 W, 0603	0603
R930	1	953k	CRCW0603953KFKEA	Vishay-Dale	RES, 953 k, 1%, 0.1 W, 0603	0603
R931	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
R932	1	180k	RC0603FR-07180KL	Yageo America	RES, 180 k, 1%, 0.1 W, 0603	0603
T900	1	750 uH	760301302	Würth Elektronik eiSos	Transformer, 750 uH, TH	10.5x10.5mm
T901	1	260uH	RLTI-1189	Renco Electronics	Transformer, 260 uH, TH	1050x740mil
TP900, TP901, TP902, TP903, TP904, TP905, TP906, TP907, TP908, TP909	10		3104-2-00-34-00-00-08-0	Mill-Max	PCB Pin, Swage Mount, TH	3104-2
U900	1		TPS62160QDSGRQ1	Texas Instruments	3-V to 17-V 1-A Step-Down Converter with DCS-Control™, DSG0008A	DSG0008A
U901	1		LM53600AQDSXRQ1	Texas Instruments	Synchronous Buck Regulator for 650mA Space Constraint Applications, DSX0010A	DSX0010A
U902	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U903	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U904	1		LM317DCY	Texas Instruments	3-Terminal Adjustable Regulator, 4-pin SOT-223, Pb-Free	MP04A
U905	1		PC817X4J000F		Opto-Isolator, 1 Channel, TH	DIP-4
U906	1		LM431ACM3/NOPB	Texas Instruments	Adjustable Precision Zener Shunt Regulator, 3-pin SOT-23	MF03A
C916	0	100pF	06035A101FAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 1%, COG/NP0, 0603	0603
R904	0	DNP	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805

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