

**PMP20795 REV A Bill of Materials**

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB600	1		PMP20795	Any	Printed Circuit Board	
C600	1	2200pF	AY2222M35Y5US63L7	Vishay-Bccomponents	CAP, CERM, 2200 pF, 300 V, +/- 20%, Y5U, AEC-Q200 Grade 1, D9.5xT5mm	D9.5xT5mm
C601	1	10uF	UVY2W100MPD1TD	Nichicon	CAP, AL, 10 µF, 450 V, +/- 20%, TH	D10xL20mm
C602	1	1uF	450MPK105J	Rubycon	CAP, Film, 1 µF, 450 V, +/- 5%, TH	18x9.5mm
C603, C614	2	0.01uF	B32621A6103K189	EPCOS (TDK)	CAP FILM 10000PF 10% 630VDC RAD	
C604, C605, C606, C607	4	22uF	C2012X5R1V226M125AC	TDK	CAP, CERM, 22 µF, 35 V, +/- 20%, X5R, 0805	0805
C608, C609, C610, C611	4	330uF	35ZLH330MEFC10X12.5	Rubycon	CAP ALUM 330UF 20% 35V RADIAL	TH, 2-Leads, Body 10x20mm, Pin Spacing 5mm
C612	1	150pF	GRM31A5C2J151JW01D	MuRata	CAP, CERM, 150 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C613	1	22pF	GRM31A5C2J220JW01D	Murata	CAP CER 22PF 630V C0G/NP0 1206	1206
C616	1	100uF	EEU-FC1V101	Panasonic	CAP, AL, 100 µF, 35 V, +/- 20%, 0.117 ohm, AEC-Q200 Grade 2, TH	Cap 8x11.5mm
C617	1	820pF	06035A821JAT2A	AVX	CAP, CERM, 820 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C618, R609	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
C619	1	47pF	GRM1885C1H470FA01J	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
C620	1	2.2uF	C1206C225K4RACTU	Kemet	CAP, CERM, 2.2 µF, 16 V, +/- 10%, X7R, 1206	1206
C621	1	0.22uF	ECW-FD2W224KQ	Panasonic Electronic Compon	0.22µF ±10% Film Capacitor 450V Polypropylene (PP), Metallized Radial	18x6.5mm
C622	1	2.2uF	GRM188R6YA225KA12D	MuRata	CAP, CERM, 2.2 µF, 35 V, +/- 10%, X5R, 0603	0603
C623, C626, C627, C697, C698	5	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X5R, 0603	0603
C624	1	3300pF	GRM1885C1H332JA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C625	1	0.22uF	B32922C3224M	TDK	CAP, Film, 0.22 µF, 630 V, +/- 20%, TH	B32922_12.5mm
C628	1	0.47uF	GCM188R71E474KA64D	MuRata	CAP, CERM, 0.47 µF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C629	1	3300pF	06031C332JAT2A	AVX	CAP, CERM, 3300 pF, 100 V, +/- 5%, X7R, 0603	0603
C630	1	2.2pF	06035A2R2CAT2A	AVX	CAP, CERM, 2.2 pF, 50 V, +/- 11%, C0G/NP0, 0603	0603
C631	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C696	1	100uF	35ZLJ100M6.3X11	Rubycon	CAP ALUM 100UF 20% 35V RADIAL	6.3x11mm, TH
D600, D602	2	100V	STPS41H100CTY	STMicroelectronics	Diode, Schottky, 100 V, 20 A, AEC-Q101, TH	TO-220AB
D601	1	60V	STPS160UY	STMicroelectronics	Diode, Schottky, 60 V, 1 A, AEC-Q101, SMB	SMB
D605	1	600V	ES1JAF	Fairchild Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMAF	SMAF
D606	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
D607, D608	2	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D609	1	600V	DF06S-E3	Vishay-Semiconductor	Diode, Switching-Bridge, 600 V, 1 A, DF-S	DF-S
D610, D611	2	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
F600	1		37202000001	Littelfuse	Fuse, 0.2 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
J600	1		1715734	Phoenix Contact	TERM BLOCK 3POS 5.08MM, TH	15.24x13.8x9.8mm
J601	1		923345-04-C	3M	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200	Jumper Wire, 400 mil Spacing, Yellow, Pkg of 200
J604	1		ED120/4DS	On-Shore Technology	Terminal Block, 5.08 mm, 4x1, Brass, TH	4x1 5.08 mm Terminal Block
L600	1	30uH	59936	Payton	Inductor, 30 µH, TH	15x8mm
Q600, Q601	2	650V	IPA65R190CFD	Infineon Technologies	MOSFET, N-CH, 650 V, 17.5 A, TO-220FP	TO-220FP
R600, R601	2	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R602	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	0603

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R603, R604, R610	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R605	1	20.5	CRCW060320R5FKEA	Vishay-Dale	RES, 20.5, 1%, 0.1 W, 0603	0603
R606	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	0603
R607	1	86.6k	CRCW060386K6FKEA	Vishay-Dale	RES, 86.6 k, 1%, 0.1 W, 0603	0603
R608	1	221k	CRCW0603221KFKEA	Vishay-Dale	RES, 221 k, 1%, 0.1 W, 0603	0603
R611	1	2.2	CRCW06032R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.1 W, 0603	0603
R612, R613, R614	3	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
R615, R616, R619	3	4.99Meg	CRCW12064M99FKEA	Vishay-Dale	RES, 4.99 M, 1%, 0.25 W, 1206	1206
R617, R620, R622, R625	4	10.0Meg	CRCW120610M0FKEA	Vishay-Dale	RES, 10.0 M, 1%, 0.25 W, 1206	1206
R621	1	68.1	CRCW060368R1FKEA	Vishay-Dale	RES, 68.1, 1%, 0.1 W, 0603	0603
R623	1	432k	CRCW0603432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.1 W, 0603	0603
R624	1	127k	CRCW0603127KFKEA	Vishay-Dale	RES, 127 k, 1%, 0.1 W, 0603	0603
R626, R627	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
T600	1		59932	Payton	Transformer, TH	44x32.2mm
TP600, TP602	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP601, TP603, TP604	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U600	1		FOD817D	Fairchild Semiconductor	OPTOISOLATOR 5KV TRANSISTOR 4DIP	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U601	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A
U602	1		UCC256301	Texas Instruments	Enhanced LLC Resonant Controller with Driver, DDB0014A	DDB0014A
C615	0	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0603	0603
D603	0	11V	MMSZ5241B-7-F	Diodes Inc.	Diode, Zener, 11 V, 500 mW, SOD-123	SOD-123
D604	0	27V	1SMB5935BT3G	ON Semiconductor	Diode, Zener, 27 V, 550 mW, SMB	SMB
R618	0	787k	CRCW0603787KFKEA	Vishay-Dale	RES, 787 k, 1%, 0.1 W, 0603	0603

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