

PMP40379 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB600	1		PMP40379	Any	Printed Circuit Board	
C600, C601	2	470 nF	890324025039CS	Wurth Electronics	WCAP-FTX2 Film Capacitors, 18x8x14mm, 275V AC, 470 nF	18x8x14mm
C602, C603, C644, C645	4	1000pF	CD45-E2GA102M-NKA	TDK	CAP, CERM, 1000 pF, X1 440 VAC/Y1 400 VAC, +/- 20%, E, D7xT6mm	D7xT6mm
C605, C606, C607, C608, C609, C610	6	560uF	EPAG201ELL561MM45S	United Chemi-Con	CAP ALUM 560UF 20% 200V RADIAL	Radial, Can
C611, C612	2	0.1uF	GRM31CR72E104KW03L	MuRata	CAP, CERM, 0.1 µF, 250 V,+/- 10%, X7R, 1206	1206
C613, C614	2	0.1uF	ECW-F6104JL	Panasonic	CAP, Film, 0.1 µF, 630 V,+/- 5%, TH	18mmx7.7mmx12.1mm
C615	1	150pF	GRM31A5C2J151JW01D	MuRata	CAP, CERM, 150 pF, 630 V,+/- 5%, C0G/NP0, 1206	1206
C616	1	82pF	GRM31A5C2J820JW01D	MuRata	CAP, CERM, 82 pF, 630 V,+/- 5%, C0G/NP0, 1206	1206
C617	1	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01 µF, 16 V,+/- 10%, X7R, 0603	0603
C618	1	270uF	EKZE350ELL271MH20D	Chemi-Con	CAP, AL, 270 µF, 35 V, +/- 20%, TH	D8xL20mm
C620	1	4.7uF	C3216X7R1V475K085AC	TDK	CAP, CERM, 4.7 µF, 35 V,+/- 10%, X7R, 1206	1206
C621, C622	2	10uF	GRM21BC71C106KE11L	MuRata	CAP, CERM, 10 µF, 16 V,+/- 10%, X7S, 0805	0805
C623	1	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, 0603	0603
C624	1	1000pF	GRM1885C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C625	1	2.2pF	06035A2R2CAT2A	AVX	CAP, CERM, 2.2 pF, 50 V, +/- 11%, C0G/NP0, 0603	0603
C626	1	1000pF	GRM1885C2A102JA01D	MuRata	CAP, CERM, 1000 pF, 100 V,+/- 5%, C0G/NP0, 0603	0603
C627	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C628	1	4.7uF	GRM31CR71C475KA01L	MuRata	CAP, CERM, 4.7 µF, 16 V,+/- 10%, X7R, 1206	1206
C629	1	470pF	C0603X471K5RACTU	Kemet	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
C631	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
C632, C633, C634, C636, C637, C638	6	2000uF	EGXF500ELL202MU40S	United Chemi-Con	CAP ALUM 2000UF 20% 50V RADIAL	Radial, Can
C635, C639	2	10uF	C3216X5R1H106K160AB	TDK	CAP, CERM, 10 µF, 50 V,+/- 10%, X5R, 1206	1206
C642	1	2200pF	AY2222M35Y5US63L7	Vishay-Bccomponents	CAP, CERM, 2200 pF, 300 V, +/- 20%, Y5U, AEC-Q200 Grade 1, D9.5xT5mm	D9.5xT5mm
C646	1	0.47uF	1812Y5000474KXTWS2	Knowles Capacitors	CAP, CERM, 0.47 µF, 500 V,+/- 10%, X7R, 1812	1812
D600, D601	2	1.05V	MJRA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D603	1	420V	GBU8J-BP	Micro Commercial Componen	Diode, Switching-Bridge, 420 V, 8 A, TH	GBU
D604, D605	2	220V	P6SMB220A-E3/52	Vishay Semiconductors	TVS Diodes - Transient Voltage Suppressors 600W 220V Unidirect	SMB
D606, D607	2	100V	MMDL914-TP	Micro Commercial Componen	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D608	1	60V	STPS160UY	STMicroelectronics	Diode, Schottky, 60 V, 1 A, AEC-Q101, SMB	SMB
D611	1	600V	ES1JAF	Fairchild Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMAF	SMAF
D612	1	6.2V	MMSZ4691T1G	ON Semiconductor	Diode, Zener, 6.2 V, 500 mW, SOD-123	SOD-123
D613, D614, D615	3	24V	MMSZ5252B-7-F	Diodes Inc.	Diode, Zener, 24 V, 500 mW, SOD-123	SOD-123
D616, D617, D618, D619	4	100V	STPS41H100CTY	STMicroelectronics	Diode, Schottky, 100 V, 20 A, AEC-Q101, TH	TO-220AB
D620	1	12V	MMSZ5242B-7-F	Diodes Inc.	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
F601	1	250V/8A	5HF 8-R	Bel Fuse Inc.	FUSE CERAMIC 8A 250VAC 5X20MM	5mm x 20mm
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
H1, H3, H5, H7	4		4824	Keystone	HEX STANDOFF 6-32 NYLON 1-1/2"	HEX STANDOFF 6-32 NYLON 1-1/2 inch
H2, H4, H6, H8	4		1903C	Keystone	Standoff, Hex, 0.5"L #6-32 Nylon	6-32 HEX Nylon standoff 0.500 mil
H9, H10, H11, H17, H18, H19, H20	7		MAX01NG	Aavid Thermalloy	Heatsink clip for TO-220	Heatsink clip for TO-220
H12, H13, H21, H22, H23, H24	6		SPT400-12-11-25	Bergquist	THERM PAD 25.02X11MM GRAY/GRN	
H14	1		SP900S-0.009-00-114	Bergquist	THERM PAD 25.02X11MM GRAY/GRN	
H15, H16, H25, H26	4		29311	Keystone Electronics	MACH SCREW PAN HEAD SLOTTED M3	MACH SCREW PAN HEAD SLOTTED M3
H600, H602	2		782653B04250G	Aavid	HEATSINK VERT MAX CLIP, BLACK, 4.25 INCHES	4.25 INCH EXTRUDED HEAT SINK
J600	1		703W-00/54	Qualtek Electronics Corporation	AC Receptacle, 10A 250VAC	20X50X28.7mm
J601, J602	2		ED120/4DS	On-Shore Technology	Terminal Block, 5.08 mm, 4x1, Brass, TH	4x1 5.08 mm Terminal Block
J603	1		1430-1	Keystone	Pin Shorting, Pin Spacing 5.08mm, TH	Pin Shorting, Pin Spacing 5.08mm, TH
L600, L601	2	12mH	7448051012	WURTH ELEKTRONIK	CMC 12MH 10A 2LN TH	34x23mm
Q600, Q601	2	650V	IPA65R190CFD	Infineon Technologies	MOSFET, N-CH, 650 V, 17.5 A, TO-220FP	TO-220FP
R600	1	275V	S10K275E2	TDK	Varistor 275V RMS 10MM Radial, TH	10mm Radial
R601, R602, R603	3	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
R604, R633	2	10	B57364S0100M051	EPCOS (TDK)	ICL 10 OHM 20% 7.5A 21MM	
R605, R607	2	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R606, R608	2	10k	RC0603JR-0710KL	Yageo America	RES, 10 k, 5%, 0.1 W, 0603	0603
R609	1	30k	CRCW060330K0JNEA	Vishay-Dale	RES, 30 k, 5%, 0.1 W, 0603	0603
R610	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R611	1	150	RC1206FR-07150RL	Yageo America	RES, 150, 1%, 0.25 W, 1206	1206
R612	1	2.2	CRCW06032R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.1 W, 0603	0603
R614	1	300k	CRCW0603300KJNEA	Vishay-Dale	RES, 300 k, 5%, 0.1 W, 0603	0603
R615, R616, R617	3	4.99Meg	CRCW12064M99FKEA	Vishay-Dale	RES, 4.99 M, 1%, 0.25 W, 1206	1206
R618	1	169k	RC0603FR-07169KL	Yageo America	RES, 169 k, 1%, 0.1 W, 0603	0603
R619	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R621	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	0603
R622	1	806k	CRCW0603806KFKEA	Vishay-Dale	RES, 806 k, 1%, 0.1 W, 0603	0603
R624	1	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, 0603	0603
R625	1	270k	CRCW0603270KJNEA	Vishay-Dale	RES, 270 k, 5%, 0.1 W, 0603	0603
R626	1	8.2k	CRCW06038K20JNEA	Vishay-Dale	RES, 8.2 k, 5%, 0.1 W, 0603	0603
R627	1	20k	CRCW060320K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.1 W, 0603	0603
R628	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R629, R630, R631, R632	4	1.0Meg	CRCW12061M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.25 W, 1206	1206
S600	1		V80212MS02Q	C&K Components	Switch, Slide, DPDT, On-On, 10 A, 125 VAC, 30 VDC, TH	26.19x16.5mm
T600	1	220uH	750343844	Würth Elektronik	Transformer, 220uH, 16-pin, TH, Vertical	48x46mm

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U600	1		UCC25630-2DDBR	Texas Instruments	LLC Resonant Controller With High Voltage Start Up Enabling Low Standby Power, DDB0014A (SOIC-14)	DDB0014A
U601	1		VO618A	Vishay-Semiconductor	Optocoupler, 5.3 kV, 50-600% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U602	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
XF1, XF2	2		0751.0052	Schurter	FUSE CLIP CART 250V 6.3A, Single End	Fuse End Clips
C630	0	10pF	06035A100JAT2A	AVX	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C640, C641	0	0.1uF	12061C104JAT2A	AVX	CAP, CERM, 0.1 µF, 100 V, +/- 5%, X7R, 1206	1206
D621	0	3.6V	MMSZ5227B-7-F	Diodes Inc.	Diode, Zener, 3.6 V, 500 mW, SOD-123	SOD-123
R613	0	787k	CRCW0603787KFKEA	Vishay-Dale	RES, 787 k, 1%, 0.1 W, 0603	0603
R620	0	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603

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