

PMP40482 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB?	1		PMP40482	Any	Printed Circuit Board	
C600, C601, C602	3	470 nF	890324025039CS	Würth Electronics	WCAP-FTX2 Film Capacitors, 18x8x14mm, 275V AC, 470 nF	18x8x14mm
C603, C604	2	1000pF	CD45-E2GA102M-NKA	TDK	CAP, CERM, 1000 pF, X1 440 VAC/Y1 400 VAC, +/- 20%, E, D7xT6mm	D7xT6mm
C605, C606, C607	3	470uF	EKXJ201ELL471MM40S	United Chemi-Con	CAP ALUM 470UF 20% 200V RADIAL	Radial, Can
C608, C609	2	0.1uF	ECW-F6104JL	Panasonic	CAP, Film, 0.1 µF, 630 V,+/- 5%, TH	18mmx7.7mmx12.1mm
C610	1	150pF	GRM31A5C2J151JW01D	MuRata	CAP, CERM, 150 pF, 630 V,+/- 5%, C0G/NP0, 1206	1206
C611	1	82pF	GRM31A5C2J820JW01D	MuRata	CAP, CERM, 82 pF, 630 V,+/- 5%, C0G/NP0, 1206	1206
C612	1	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 µF, 25 V,+/- 10%, X7R, 0603	0603
C613, C614	2	270uF	EKZE350ELL271MH20D	Chemi-Con	CAP, AL, 270 µF, 35 V, +/- 20%, TH	D8xL20mm
C615, C641, C642, C643	4	4.7uF	C3216X6S1H475K160AB	TDK	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X6S, 1206	1206
C616	1	4.7uF	C3216X7R1V475K085AC	TDK	CAP, CERM, 4.7 µF, 35 V,+/- 10%, X7R, 1206	1206
C617, C618	2	10uF	GRM21BC71C106KE11L	MuRata	CAP, CERM, 10 µF, 16 V,+/- 10%, X7S, 0805	0805
C619	1	0.15uF	C1608X7R1H154K080AB	TDK	CAP, CERM, 0.15 µF, 50 V,+/- 10%, X7R, 0603	0603
C620	1	1000pF	GRM1885C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C621	1	2.2pF	06035A2R2CAT2A	AVX	CAP, CERM, 2.2 pF, 50 V, +/- 11%, C0G/NP0, 0603	0603
C622	1	470pF	GRM1885C1H471JA01D	MuRata	CAP, CERM, 470 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
C623	1	220pF	GRM188R71H221KA01D	MuRata	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603	0603
C624	1	4.7uF	GRM31CR71C475KA01L	MuRata	CAP, CERM, 4.7 µF, 16 V,+/- 10%, X7R, 1206	1206
C625, C626, C627	3	470uF	EKZE350ELL471MJ20S	Chemi-Con	CAP, AL, 470 µF, 35 V, +/- 20%, TH	D10xL20mm
C628, C629, C630, C631	4	10uF	GRM31CR71E106KA12L	MuRata	CAP, CERM, 10 µF, 25 V,+/- 10%, X7R, 1206	1206
C632, C633, C634	3	220uF	EKYB101ELL221MK25S	Chemi-Con	CAP, AL, 220 µF, 100 V, +/- 20%, TH	D12.5xL25mm
C635, C636, C637, C638	4	3.3uF	C3216X7S2A335M160AB	TDK	CAP, CERM, 3.3 µF, 100 V,+/- 20%, X7S, 1206	1206
C639, C640	2	220uF	EKZE500ELL221MJ16S	Chemi-Con	CAP, AL, 220 µF, 50 V, +/- 20%, TH	D10xL16mm
C644	1	0.1uF	06033C104JAT2A	AVX	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
C645	1	470pF	C0603X471K5RACTU	Kemet	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
C647	1	2200pF	AY2222M35Y5US63L7	Vishay-Bccomponents	CAP, CERM, 2200 pF, 300 V, +/- 20%, Y5U, AEC-Q200 Grade 1, D9.5xT5mm	D9.5xT5mm
D600, D601	2	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D602	1	420V	GBU8J-BP	Micro Commercial Component	Diode, Switching-Bridge, 420 V, 8 A, TH	GBU
D603, D604	2	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
D605, D613	2	100V	MBSR1100T3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SMB	SMB
D606	1	60V	STPS160UY	STMicroelectronics	Diode, Schottky, 60 V, 1 A, AEC-Q101, SMB	SMB
D607	1	600V	ES1JAF	Fairchild Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMAF	SMAF
D609, D610	2	100V	STPS41H100CTY	STMicroelectronics	Diode, Schottky, 100 V, 20 A, AEC-Q101, TH	TO-220AB
D611, D612	2	200V	MBR20200CTTU	Fairchild Semiconductor	Diode, Schottky, 200 V, 10 A, TH	TO-220AB
D614	1	27V	1SMB5935BT3G	ON Semiconductor	Diode, Zener, 27 V, 550 mW, SMB	SMB
D615	1	12V	MMSZ5242B-7-F	Diodes Inc.	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
D616	1	5.1V	MMSZ5231BS-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 200 mW, SOD-323	SOD-323

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D617	1	62V	1SMB5944BT3G	ON Semiconductor	Diode, Zener, 62 V, 550 mW, SMB	SMB
F601	1	250V/8A	5HF 8-R	Bel Fuse Inc.	FUSE CERAMIC 8A 250VAC 5X20MM	5mm x 20mm
H600, H609	2		782653B04250G	Aavid	HEATSINK VERT MAX CLIP, BLACK, 4.25 INCHES	4.25 INCH EXTRUDED HEAT SINK
H601, H602, H603, H610, H611, H612, H613	7		MAX01NG	Aavid Thermalloy	Heatsink clip for TO-220	Heatsink clip for TO- 220
H604, H605, H614, H615, H616, H617	6		SPT400-12-11-25	Bergquist	THERM PAD 25.02X11MM GRAY/GRN	
H606	1		SP900S-0.009-00-114	Bergquist	THERM PAD 25.02X11MM GRAY/GRN	
H607, H608, H618, H619	4		29311	Keystone Electronics	MACH SCREW PAN HEAD SLOTTED M3	MACH SCREW PAN HEAD SLOTTED M3
H620, H622, H624, H626	4		4824	Keystone	HEX STANDOFF 6-32 NYLON 1-1/2"	HEX STANDOFF 6- 32 NYLON 1-1/2 inch
H621, H623, H625, H627	4		1903C	Keystone	Standoff, Hex, 0.5"L #6-32 Nylon	6-32 HEX Nylon standoff 0.500 mil
J600	1		1-1318301-3	TE Connectivity	Header, 312mil, 3x1, Tin, TH	19.7x10.7 x8.5 mm
J601	1		5102	Keystone	Shorting Jumper, 5.375mm, 2 Position, Tin, SMT	Shorting Jumper, 5.375mm, 2 Position, SMT
J602, J603, J604	3		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
L600, L601	2		7448041104	Würth Electronics	COMMON MODE CHOKE, 4mH, 11A	
L602	1	12uH	CZ0642-BL	Coilcraft	Inductor, Toroid, Powdered Iron, 12 µH, 9.8 A, 0.031 ohm, TH	28.6x12.3mm
Q600, Q601	2	650V	IPA65R190CFD	Infineon Technologies	MOSFET, N-CH, 650 V, 17.5 A, TO-220FP	TO-220FP
R600	1	10	B57364S0100M051	EPCOS (TDK)	ICL 10 OHM 20% 7.5A 21MM	
R601	1	400pF	B72210S2131K101	TDK EPCOS		
R602, R603, R604	3	1.65k	CRCW12061K65FKEA	Vishay-Dale	RES, 1.65 k, 1%, 0.25 W, 1206	1206
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	47k	CRCW060347K0JNEA	Vishay-Dale	RES, 47 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	75.0	RC1206FR-0775RL	Yageo America	RES, 75.0, 1%, 0.25 W, 1206	1206
R612	1	2.2	CRCW06032R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.1 W, 0603	0603
R613	1	1.5Meg	CRCW06031M50JNEA	Vishay-Dale	RES, 1.5 M, 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	137k	RC0603FR-07137KL	Yageo America	RES, 137 k, 1%, 0.1 W, 0603	0603
R619	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R621	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R622	1	360k	CRCW0603360KJNEA	Vishay-Dale	RES, 360 k, 5%, 0.1 W, 0603	0603
R623	1	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.1 W, 0603	0603
R624	1	33.0k	CRCW060333K0FKEA	Vishay-Dale	RES, 33.0 k, 1%, 0.1 W, 0603	0603
R625	1	0	RC0603JR-070RL	Yageo America	RES, 0, 5%, 0.1 W, 0603	0603
R626	1	820k	CRCW0603820KJNEA	Vishay-Dale	RES, 820 k, 5%, 0.1 W, 0603	0603
R627	1	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, 0603	0603
R628	1	27k	CRCW060327K0JNEA	Vishay-Dale	RES, 27 k, 5%, 0.1 W, 0603	0603

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R629	1	8.2k	CRCW06038K20JNEA	Vishay-Dale	RES, 8.2 k, 5%, 0.1 W, 0603	0603
R631	1	0	B57364S0100M051	EPCOS (TDK)	ICL 10 OHM 20% 7.5A 21MM	
T600	1	50uH	750344216	Würth	Transformer, ETD39, 16-pin, TH, Vertical	
TP601	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP602	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U600	1		UCC25630-4DDBR	Texas Instruments	Wide Vin LLC Resonant Controller With High-Voltage Start Up Enabling Low Standby Power, DDB0014A (SOIC-14)	DDB0014A
U601	1		FOD817D	Fairchild Semiconductor	Optocoupler, 5 kV, 300-600% 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
C646	0	10pF	06035A100JAT2A	AVX	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R620	0	30k	CRCW120630K0JNEA	Vishay-Dale	RES, 30 k, 5%, 0.25 W, 1206	1206
R630	0	3.3k	CRCW06033K30JNEA	Vishay-Dale	RES, 3.3 k, 5%, 0.1 W, 0603	0603

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