

PMP40473 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB?	1		PMP40473	Any	Printed Circuit Board	
C1, C2	2	0.1uF	890324025017	Wurth Elektronik	CAP, Film, 0.1 μ F, X2 275 VAC, +/- 10%, TH	18x6mm
C3	1	22uF	EEU-EE2D220	Panasonic	CAP, AL, 22 μ F, 200 V, +/- 20%, TH	D10xL20mm
C4	1	22uF	EEU-EE2D220	Panasonic	CAP, AL, 22 μ F, 220 V, +/- 20%, TH	D10xL20mm
C5	1	1000pF	GRM31BR72J102KW01L	MuRata	CAP, CERM, 1000 pF, 630 V,+/- 10%, X7R, 1206	1206
C6	1	0.033uF	08055C333KAT2A	AVX	CAP, CERM, 0.033 μ F, 50 V,+/- 10%, X7R, 0805	0805
C7	1	33uF	860040572001	Wurth	CAP, AL, 33 μ F, 35 V, +/- 20%, TH	D5xL11mm
C8	1	0.1uF	C0805C104K5RACTU	Kemet	CAP, CERM, 0.1 μ F, 50 V,+/- 10%, X7R, 0805	0805
C9	1	1000pF	GRM216R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V,+/- 10%, X7R, 0805	0805
C10	1	390pF	C0805C391K5RACTU	Kemet	CAP, CERM, 390 pF, 50 V,+/- 10%, X7R, 0805	0805
C11	1	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
C12	1	470uF	860040575010	Wurth	CAP, AL, 470 μ F, 35 V, +/- 20%, TH	D10xL20mm
C13	1	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 μ F, 50 V,+/- 10%, X7R, 1206	1206
C14	1	1000uF	860040575010	Wurth	CAP, AL, 1000 μ F, 25 V, +/- 20%, TH	D10xL20mm
C15, C17	2	1uF	C1206C105K3RACTU	Kemet	CAP, CERM, 1 μ F, 25 V,+/- 10%, X7R, 1206	1206
C16	1	1000uF	860020475018	Wurth	CAP, AL, 1000 μ F, 25 V, +/- 20%, TH	D10xL20mm
C18	1	0.22uF	C2012X7R1H224K125AA	TDK	CAP, CERM, 0.22 μ F, 50 V,+/- 10%, X7R, 0805	0805
C20	1	0.1uF	GRM21BR71E104KA01L	MuRata	CAP, CERM, 0.1 μ F, 25 V,+/- 10%, X7R, 0805	0805
D1	1	600V	KBP06G	Diodes Inc.	Diode, Switching-Bridge, 600 V, 1.5 A, TH	Diode Bridge
D2	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
D3	1	1000V	RS1MB-13-F	Diodes Inc.	Diode, P-N, 1000 V, 1 A, SMB	SMB
D4	1	100V	B3100-13-F	Diodes Inc.	Diode, Schottky, 100 V, 3 A, SMC	SMC
D5	1	60V	MBRD360T4G	ON Semiconductor	Diode, Schottky, 60 V, 3 A, DPAK	DPAK
D6	1	60V	SBR0560S1-7	Diodes Inc.	Diode, Schottky, 60 V, 0.5 A, SOD-123	SOD-123
D7	1	12V	MMSZ5242B-7-F	Diodes Inc.	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
F1	1		37205000001	Littelfuse	Fuse, 0.5 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
J1	1		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
JP1, JP5	2		923345-07-C	3M	Jumper Wire, 700mil spacing, Violet, pkg of 150, TH	700 mil Jumper Wire
JP2	1		923345-06-C	3M	Jumper Wire, 600mil spacing, Blue, pkg of 150, TH	600 mil Jumper Wire
JP3, JP4	2		923345-03-C	3M	Jumper Wire, 300mil spacing, Orange, pkg of 200	300 mil Jumper Wire
L1	1	10mH	744823210	Wurth Elektronik	Coupled inductor, 10 mH, 2 A, 0.125 ohm, TH	13x22x17.5mm
L2	1	220uH	7447462221	Wurth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 220 μ H, 0.5 A, 0.96 ohm, TH	D6 x 8.5mm
Q1	1	800V	IPP80R1K4P7XKSA1	Infineon Technologies	MOSFET, N-CH, 800 V, 4 A, TO-220AB	TO-220AB
R1	1	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, 0805	0805
R2	1	100k	PR02000201003JR500	Vishay-Bccomponents	RES, 100 k, 5%, 2 W, AEC-Q200 Grade 0, Axial resistor	Axial resistor
R3, R4	2	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R5, R6, R7	3	330k	CRCW1206330KJNEA	Vishay-Dale	RES, 330 k, 5%, 0.25 W, 1206	1206
R9	1	30k	CRCW080530K0JNEA	Vishay-Dale	RES, 30 k, 5%, 0.125 W, 0805	0805
R10	1	100k	CRCW0805100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.125 W, 0805	0805
R11	1	1.8k	CRCW08051K80JNEA	Vishay-Dale	RES, 1.8 k, 5%, 0.125 W, 0805	0805
R13	1	2.2	RC0805JR-072R2L	Yageo America	RES, 2.2, 5%, 0.125 W, 0805	0805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R14	1	47k	CRCW080547K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.125 W, 0805	0805
R15	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R16, R17, R18	3	1.5	CRCW12061R50JNEA	Vishay-Dale	RES, 1.5, 5%, 0.25 W, 1206	1206
R19, R20	2	1.0k	CRCW08051K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.125 W, 0805	0805
R21	1	10k	CRCW080510K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.125 W, 0805	0805
R22, R25	2	2.7k	CRCW08052K70JNEA	Vishay-Dale	RES, 2.7 k, 5%, 0.125 W, 0805	0805
R23	1	33k	CRCW080533K0JNEA	Vishay-Dale	RES, 33 k, 5%, 0.125 W, 0805	0805
R24	1	15.0k	CRCW080515K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.125 W, 0805	0805
R26	1	2.2k	CRCW08052K20JNEA	Vishay-Dale	RES, 2.2 k, 5%, 0.125 W, 0805	0805
R27	1	22	CRCW120622R0JNEA	Vishay-Dale	RES, 22, 5%, 0.25 W, 1206	1206
R28	1	33k	CRCW120633K0JNEA	Vishay-Dale	RES, 33 k, 5%, 0.25 W, 1206	1206
RV1	1	275V	S10K275E2	TDK	Varistor 275V RMS 10MM Radial, TH	10mm Radial
T1	1	420uH	750344218	Würth	Transformer, EF25, 420uH, 10-pins, TH	29.21x27.94mm
TP3, TP4, TP6	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP5, TP7, TP8	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC28600D	Texas Instruments	Quasi-Resonant Flyback Green-Mode Controller with Current Control, 99 % Duty Cycle, -40 to +105 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U2	1		FOD817D	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, TH	DIP, 4-Leads, Body 6.86x4.83mm, Pitch 2.54mm
U3	1		TL431AIDBZT	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
C19	0	470pF	08055C471KAT2A	AVX	CAP, CERM, 470 pF, 50 V,+/- 10%, X7R, 0805	0805
C21, C22	0	0.1uF	GRM21BR71E104KA01L	MuRata	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X7R, 0805	0805
R12	0	10k	CRCW080510K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.125 W, 0805	0805
R29, R30	0	10k	CRCW120610K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.25 W, 1206	1206

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