

PMP30462 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C5	2	100uF	UWT1E101MCL1GS	Nichicon	CAP, AL, 100 µF, 25 V, +/- 20%, SMD	6.6x6.6mm
C2, C6	2	4.7uF	GRM21BR71E475KA73L	MuRata	CAP, CERM, 4.7 µF, 25 V,+/- 10%, X7R, 0805	0805
C3, C4	2	2.2uF	UVY2G2R2MPD1TD	Nichicon	CAP, AL, 2.2 µF, 400 V, +/- 20%, TH	D8xL11.5mm
C7	1	150uF	UWT1A151MCL1GS	Nichicon	CAP, AL, 150 µF, 10 V, +/- 20%, SMD	6.6x6.6mm
C8	1	10uF	GRM21BR71A106KE51K	MuRata	CAP, CERM, 10 µF, 10 V,+/- 10%, X7R, 0805	0805
C9	1	2200pF	DE1E3KX222MA5BA01	MuRata	CAP, CERM, 2200 pF, X1 250 VAC/Y1 300 VAC, +/- 20%, E, Disc 10x8mm	Disc 10x8mm
C10	1	3.3uF	C3216X7R1H335K160AC	TDK	CAP, CERM, 3.3 µF, 50 V,+/- 10%, X7R, 1206	1206
C11	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, 0603	0603
C12	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, 0805	0805
C13	1	2200pF	GRM188R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V,+/- 10%, X7R, 0603	0603
C14, C15, C18	3	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output and some BOM reports
C16	1	3300pF	06035C332KAT2A	AVX	CAP, CERM, 3300 pF, 50 V,+/- 10%, X7R, 0603	0603
C17	1	0.047uF	GRM21BR71H473KA01L	MuRata	CAP, CERM, 0.047 µF, 50 V,+/- 10%, X7R, 0805	0805
C101	1	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V,+/- 5%, C0G/NP0, 0603	0603
D1, D6	2	100V	MBR1H100SFT3G	ON Semiconductor	Diode, Schottky, 100 V, 1 A, SOD-123FL	SOD-123FL
D2	1	600V	MB6S-TP	Micro Commercial Component	Diode, Switching-Bridge, 600 V, 0.5 A, TO269AA	TO269AA
D3	1	DNP	DNP	Diodes Inc.	Diode, TVS, Uni, 150 V, 243 Vc, SMB	SMB
D4, D7	2	18V	MMSZ5248B-7-F	Diodes Inc.	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
D5	1	DNP	DNP	Micro Commercial Component	Diode, Superfast Rectifier, 600 V, 1 A, SMA	SMA
D8	1	100V	MMBD914	Fairchild Semiconductor	Diode, P-N, 100 V, 0.2 A, SOT-23	SOT-23
D9	1		B140HW-7	Used in BOM report	Diode, Schottky, 40V, [PackageReference]	Used in PnP output and some BOM reports
D10	1	DNP	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
F1	1		37201000001	Littelfuse	Fuse, 0.1 A, 250VAC/VDC, TH	TR5 fuse 8.5mm DIA
L1	1	1mH	7447462102	Würth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 1 mH, 0.25 A, 4.38 ohm, TH	D6 x 8.5mm
Q1	1	600V	STN1NK60Z	STMicroelectronics	MOSFET, N-CH, 600 V, 0.3 A, SOT-223	SOT-223
R1	1	DNP	CRCW1206200RJNEA	Vishay-Dale	RES, 200, 5%, 0.25 W, 1206	1206
R2	1	10	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R3	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20, 5%, 0.125 W, 0805	0805
R4	1	133k	CRCW0603133KFKEA	Vishay-Dale	RES, 133 k, 1%, 0.1 W, 0603	0603
R5	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R6	1	0	CRCW08050000Z0EAHP	Vishay-Dale	RES, 0, 5%, 0.333 W, 0805	0805
R7	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R8	1	54.9k	CRCW060354K9FKEA	Vishay-Dale	RES, 54.9 k, 1%, 0.1 W, 0603	0603
R9	1	3.01k	RT0603BRD073K01L	Yageo America	RES, 3.01 k, 0.1%, 0.1 W, 0603	0603
R10, R15, R16, R18, R19	5	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	Used in PnP output and some BOM reports
R11	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R12	1	3.90	ERJ-6RQF3R9V	Panasonic	RES, 3.90, 1%, 0.125 W, 0805	0805
R13	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, 0603	0603

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R14	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R17	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, 0603	0603
R20	1	19.1k	CRCW060319K1FKEA	Vishay-Dale	RES, 19.1 k, 1%, 0.1 W, 0603	0603
T1	1	2.5mH	750317696	Würth Elektronik	Transformer, 2500 uH, SMD	1.632x17.78mm
TP1, TP2, TP4, TP5, TP6, TP8	6		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP7	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A (SOIC-7)	D0007A
U2	1		FOD817DS	Fairchild Semiconductor	Optocoupler, 5 kV, 300-600% CTR, SMT	DIP-4L Gullwing
U3	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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