

PMP10202 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.01uF	C1206C103KARACTU	Kemet	CAP, CERM, 0.01 μ F, 250 V, +/- 10%, X7R, 1206	1206
C2	1	0.1uF	GCM188R71H104KA57	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C3, C4, C5, C6	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 μ F, 100 V, +/- 10%, X7R, 1210	1210
C7	1	100uF	EEV-FK1K101Q	Panasonic	CAP, AL, 100 μ F, 80 V, +/- 20%, 0.32 ohm, SMD	SMT Radial H13
C8, C9, C13, C101	4	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 μ F, 100 V, +/- 10%, X7R, 0603	0603
C10, C11, C12, C14, C15	5	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 μ F, 50 V, +/- 10%, X7R, 1210	1210
C16	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 0805	0805
C17	1	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 μ F, 25 V, +/- 10%, X7R, 1210	1210
C18, C20	2	0.022uF	GRM188R71H223KA01	MuRata	CAP, CERM, 0.022 μ F, 50 V, +/- 10%, X7R, 0603	0603
C19, C26	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C21, C24	2	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C22	1	4700pF	GRM188R71H472KA01	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	0603
C23	1	1uF	GRM219R71E105KA88D	MuRata	CAP, CERM, 1 μ F, 25 V, +/- 10%, X7R, 0805	0805
C25	1	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1812	1812
C102	1	470pF	08051C471KAT2A	AVX	CAP, CERM, 470 pF, 100 V, +/- 10%, X7R, 0805	0805
D1, D3, D4, D7	4	100V	MMSD914T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
D2	1	150V	VB10150C-M3	Vishay	Diode, Schottky, 150 V, 5 A, DDPAK	DDPAK
D5	1	13V	MMSZ5243BS-7-F	Diodes Inc.	Diode, Zener, 13 V, 200 mW, SOD-323	SOD-323
D6	1	30V	BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
D101	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	SOD-123
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
J3	1		61300211121	Würth Elektronik eiSos	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
L1	1	3.3uH	MSS1048-332NLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3 μ H, 7.22 A, 0.01 ohm, SMD	MSS1048
L2	1	220uH	MSS1210-224KE	Coilcraft	Inductor, Shielded, Ferrite, 220 μ H, 2.1 A, 0.216 ohm, SMD	Inductor, 12.3x10x12.3mm
L3	1	1mH	LPS6235-105MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 1 mH, 0.18 A, 3.4 ohm, SMD	LPS6235
Q1	1	-150V	SI2325DS-T1-E3	Vishay-Siliconix	MOSFET, P-CH, -150 V, -0.53 A, SOT-23	SOT-23
Q2	1	150V	BSC360N15NS3 G	Infineon Technologies	MOSFET, N-CH, 150 V, 33 A, PG-TDSON-8	PG-TDSON-8
R1, R9	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R2, R18, R20	3	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R3, R4	2	162k	CRCW0603162KFKEA	Vishay-Dale	RES, 162 k, 1%, 0.1 W, 0603	0603
R5	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R6	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R7	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 0603	0603
R8	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90 k, 1%, 0.1 W, 0603	0603
R10	1	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, 0603	0603
R11	1	15.8k	CRCW060315K8FKEA	Vishay-Dale	RES, 15.8 k, 1%, 0.1 W, 0603	0603
R12, R13	2	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	0603
R14, R15	2	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	0603

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R16	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R17	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R19	1	3.92k	CRCW06033K92FKEA	Vishay-Dale	RES, 3.92 k, 1%, 0.1 W, 0603	0603
R21	1	5.11	CRCW08055R11FKEA	Vishay-Dale	RES, 5.11, 1%, 0.125 W, 0805	0805
R101	1	33.2	CRCW120633R2FKEA	Vishay-Dale	RES, 33.2, 1%, 0.25 W, 1206	1206
T1	1		P8205NLT	Pulse Engineering	Transformer, Current Sense, SMT	P82xx
T2	1	190 uH	750315669	Würth Elektronik	Transformer, 190 uH, SMT	32.31x27.03mm
TP1, TP2, TP3	3	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4, TP6, TP9, TP10	4	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP5, TP7, TP101	3	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP8	1	Orange	5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1		UCC2897APWR	Texas Instruments	Advanced Active Clamp PWM Controller with Current-Mode Control, -40 to +125 degC, 20-pin TSSOP (PW), Green (RoHS & no Sb/Br)	PW0020A
U2	1		TCMT1107	Vishay-Semiconductor	Optocoupler, 3.75 kV, 80-160% CTR, SMD-4	SOP-4
U3	1		TL432AIDBZR	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

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