

PMP11155 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP11155PCB Rev. B	Any	Printed Circuit Board	
C1	1	0.33uF	B32672Z5334K	EPCOS Inc	CAP, Film, 0.33uF, 520V, +/-10%, TH	18x14.5x8.5mm
C2	1	470pF	C1608C0G2E471J	TDK	CAP, CERM, 470 pF, 250 V, +/- 5%, C0G/NP0, 0603	0603
C3	1	0.47uF	890334025039CS	Wurth Elektronik	CAP, Film, 0.47 uF, 310 V, +/- 10%, TH	18x8mm
C4	1	100uF	ECA-2AM101	Panasonic	CAP, AL, 100 uF, 100 V, +/- 20%, TH	D10xL16mm
C5	1	680uF	EKZE350ELL681MK20S	Chemi-Con	CAP, AL, 680 uF, 35 V, +/- 20%, 0.021 ohm, TH	D12.5xL20mm
C6, C7, C8, C9	4	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
C10	1	0.01uF	GRM155R71E103KA01D	MuRata	CAP, CERM, 0.01uF, 25V, +/-10%, X7R, 0402	0402
C11	1	22uF	ECA-1VM220	Panasonic	CAP, AL, 22 uF, 35 V, +/- 20%, TH	5.0mmx11mm
C12	1	0.01uF	GRM155R71E103KA01D	MuRata	CAP, CERM, 0.01 uF, 25 V, +/- 10%, X7R, 0402	0402
C13	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
C14	1	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402
C15, C18	2	10pF	GRM1555C1H100JA01D	MuRata	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0402	0402
C16	1	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	0402
C17	1	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C19	1	2.2uF	GRM188R6YA225KA12D	MuRata	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X5R, 0603	0603
C20	1	4.7uF	GRM188R61E475KE11D	MuRata	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X5R, 0603	0603
D1	1	1V	HD04-T	Diodes Inc.	Diode, Switching-Bridge, 400V, 0.8A, MiniDIP	MiniDIP
D2	1	100V	SMCJ100A	Littelfuse	Diode, TVS, Uni, 100 V, 1500 W, SMC	SMC
D3, D6	2	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D4	1	200V	SBR10200CTL-13	Diodes Inc.	Diode, Super Barrier Rectifier, 200 V, 5 A, DPAK	DPAK
D5, D11	2	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
D7, D8	2	600V	CGRM4005-G	Comchip Technology	Diode, P-N, 600V, 1A, 3.9x1.7x1.8mm	3.9x1.7x1.8mm
D9	1	15V	MMSZ5245B-7-F	Diodes Inc.	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
D10	1	12V	MMSZ5242B-7-F	Diodes Inc.	Diode, Zener, 12 V, 500 mW, SOD-123	SOD-123
D12	1	24V	MMSZ5252B-7-F	Diodes Inc.	Diode, Zener, 24 V, 500 mW, SOD-123	SOD-123
F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250 V, SMD	FUSE 10.1x3.12x3.13mm
J1	1		770W-X2/10	Qualtek Electronics Corporatio	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
L1, L4	2	470uH	74477124	Wurth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 470 uH, 0.64 A, 0.66 ohm, SMD	WE-PD-L
L2	1	1.3mH	UU9.8V-132LF	GCI Technologies	Coupled inductor, 1.3 mH, 0.7 A, 0.5 ohm, TH	Coupled inductor, 17.5x17x11mm
L3	1	4.7uH	SD43-472MLB	Coilcraft	Inductor, Ferrite, 4.7 uH, 2.9 A, 0.094 ohm, SMD	4.2x4.7mm
Q1	1	100 V	FZT493TA	Diodes Inc.	Transistor, NPN, 100 V, 1 A, AEC-Q101, SOT-223	SOT-223
Q2	1	600V	AOD7S60	AOS	MOSFET, N-CH, 600V, 7A, DPAK	DPAK
Q3	1	0.2V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23
Q4	1	40 V	MMDT3946-7-F	Diodes Inc.	Transistor, NPN/PNP Pair, 40 V, 0.2 A, SOT-363	SOT-363
R1, R5	2	100k	CRCW1206100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.25 W, 1206	1206
R2, R4	2	1.0	CRCW12061R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.25 W, 1206	1206
R3	1	1.00k	CRCW12061K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.25 W, 1206	1206
R6	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R7, R12	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R8	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R9	1	3.3	CRCW08053R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.125 W, 0805	0805
R10	1	6.98k	CRCW04026K98FKED	Vishay-Dale	RES, 6.98 k, 1%, 0.063 W, 0402	0402

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R11, R14	2	590k	CRCW1206590KFKEA	Vishay-Dale	RES, 590k ohm, 1%, 0.25W, 1206	1206
R13	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402
R15	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
R16, R19	2	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R17	1	7.87k	CRCW04027K87FKED	Vishay-Dale	RES, 7.87 k, 1%, 0.063 W, 0402	0402
R18	1	0.82	CSR1206FTR820	Stackpole Electronics Inc	RES, 0.82, 1%, 0.5 W, 1206	1206
R20	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R21, R22	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R23	1	499k	CRCW0402499KFKED	Vishay-Dale	RES, 499k ohm, 1%, 0.063W, 0402	0402
R24	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0k ohm, 1%, 0.063W, 0402	0402
R25	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99k ohm, 1%, 0.063W, 0402	0402
R26	1	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R27	1	57.6k	CRCW040257K6FKED	Vishay-Dale	RES, 57.6 k, 1%, 0.063 W, 0402	0402
R100	1	10.0k	ERJ-3EKF1002V	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0603	0603
T1	1	580 uH	RLTI-1153	Renco Electronics	Transformer, 580 uH, TH	1000x1000mil
TP1	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		UCC28050D	Texas Instruments	Transition Mode PFC Controller	D0008A
U2	1		VOS617A-7X001T	Vishay-Semiconductor	OptoCoupler, Phototransitor, 80-160%, SSOP-4	7x2.12x2.6mm
U3	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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