

## PMP11112 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1, C2, C19, C20, C33, C34, C50, C51, C62	9	330uF	EEE-FP1V331AP	Panasonic	CAP ALUM 330UF 35V 20% SMD	SMT Radial G
C3, C4, C5, C6, C21, C22, C23, C24, C35, C36, C37, C38, C52, C53, C54, C55	16	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206
C7, C25, C39, C56	4	10uF	GRM32ER7YA106KA12L	MuRata	CAP, CERM, 10uF, 35V, +/-10%, X7R, 1210	1210
C8, C10, C26, C28, C40, C43, C57, C59	8	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603
C9, C27, C41, C58	4	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C11, C29, C44, C60	4	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
C12, C30, C45, C46	4	470pF	GRM2165C2A471JA01D	MuRata	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	0805
C13, C47, C49	3	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603
C14	1	0.047uF	GRM188R71E473KA01D	MuRata	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	0603
C16	1	330pF	GRM1885C1H331JA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C18	1	0.033uF	C1608X8R2A333K	TDK	CAP, CERM, 0.033 μF, 50 V, +/- 10%, X7R, 0603	0603
C31	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C32	1	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
C42	1	220pF	C1608C0G1H221J	TDK	CAP, CERM, 220pF, 50V, +/-5%, C0G/NP0, 0603	0603
D1, D2, D3, D5	4	0.57V	PMEG6010CEH,115	NXP	Diode, Schottky, 60V, 1A, SOD-123F	SOD-123F
IN1, OUT1, Sync In 1, Sync In 2, Sync In 3, Sync In 4	6	White	5007	Keystone	Test Point, TH, Compact, White	Keystone5007
J1, J2, J3, J5	4	50A	CB35-36-CY	Panduit	Terminal 50A Lug	CB35-36-CY
L1, L2, L3, L4	4	3uH	XAL1580-302MEB	Coilcraft	Inductor, Shielded, Composite, 3 μH, 34.4 A, 0.002619 ohm, SMD	15.2x8x16.2mm
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8	40V	CSD18501Q5A	Texas Instruments	MOSFET, N-CH, 40 V, 22 A, SON 5x6mm	SON 5x6mm
R1, R20, R31, R44	4	0.002	CSNL2512FT2L00	Stackpole	RES, 0.002, 1%, 2 W, 2512	2512
R2, R4, R21, R22, R32, R33, R45, R46	8	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603

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R5, R9, R10, R23, R27, R28, R34, R39, R41, R47, R51, R52	12	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
R6	1	75.0k	CRCW060375K0FKEA	Vishay-Dale	RES, 75.0 k, 1%, 0.1 W, 0603	0603
R7, R25, R36, R49	4	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3 ohm, 5%, 0.1W, 0603	0603
R8	1	11.5k	CRCW060311K5FKEA	Vishay-Dale	RES, 11.5 k, 1%, 0.1 W, 0603	0603
R11, R24, R26, R29, R68, R69, R70	7	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R12, R30, R43, R54	4	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R15	1	36.5k	CRCW060336K5FKEA	Vishay-Dale	RES, 36.5 k, 1%, 0.1 W, 0603	0603
R16	1	2.67k	CRCW06032K67FKEA	Vishay-Dale	RES, 2.67k ohm, 1%, 0.1W, 0603	0603
R17	1	52.3k	ERJ-6ENF5232V	Panasonic	RES, 52.3 k, 1%, 0.125 W, 0805	0805
R18	1	665	CRCW0805665RFKEA	Vishay-Dale	RES, 665, 1%, 0.125 W, 0805	0805
R35	1	1.0	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0 ohm, 5%, 0.1W, 0603	0603
R37	1	8.66	CRCW06038R66FKEA	Vishay-Dale	RES, 8.66 ohm, 1%, 0.1W, 0603	0603
R40	1	2.37k	CRCW06032K37FKEA	Vishay-Dale	RES, 2.37 k, 1%, 0.1 W, 0603	0603
R48, R50, R55, R56	4	7.5	ERJ-12ZYJ7R5U	Panasonic	RESISTOR 7.5 OHM 3/4W 5% 2010	2010
R58	1	158k	CRCW0603158KFKEA	Vishay-Dale	RES, 158k ohm, 1%, 0.1W, 0603	0603
SW1, SW2, SW3, SW4	4	White	5002	Keystone	Test Point, TH, Miniature, White	Keystone5002
U1, U3, U4, U7	4		LM5122MH/NOPB	Texas Instruments	Wide Input Synchronous Boost Controller with Multiple Phase Capability, PWP0020A	PWP0020A
U5	1		LMC555CMX	Texas Instruments	CMOS Timer, 8-pin Narrow SOIC	M08A
U6	1		CD4017BM96	Texas Instruments	IC 10-OUT DECADE COUNTER 16-SOIC	D (R-PDSO-G16)
U8	1		LM2936MP-3.3/NOPB	Texas Instruments	Ultra-Low Quiescent Current LDO Voltage Regulator, 4-pin SOT-223, Pb-Free	MP04A
Vin Gnd, Vout Gnd	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
Vin, Vout	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000

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