

PMP11479 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPC8?	1		PMP11422	Any	PMP11422	N/A
C1	1	330pF	GRM188R72A331KA01D	MuRata	CAP, CERM, 330pF, 100V, +/-10%, X7R, 0603	0603
C2	1	100uF	EEE-FK1C101P	Panasonic	CAP, AL, 100 µF, 16 V, +/- 20%, 0.36 ohm, SMD	SMT Radial D
C3	1	150uF	EMZJ160ADA151MF80G	Panasonic	CAP, AL, 150 µF, 16 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 1, SMD	12.5x13.5
C6, C8, C9, C10	4	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
C13	1	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0402	0402
C15	1	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0402	0402
C16	1	100pF	GRM1555C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C17	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
C18	1	0.022uF	GCM155R71H223KA55D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, C0G/NP0, 0402	0402
C19	1	0.01uF	GCM155R71H103KA55D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, C0G/NP0, 0402	0402
C20	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X5R, 0603	0603
C25	1	100pF	GRM2165C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0805	0805
C26	1	4700pF	GRM155R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0402	0402
C27	1	1000pF	GRM1555C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
D2	1	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
J1, J2, J3, J4	4		575-8	Keystone	Standard Banana Jack, Uninsulated, 8.9mm	Keystone575-8
L1	1	6uH	7443551600	Würth Elektronik	Inductor, Shielded Drum Core, WE-Perm, 6 µH, 12 A, 0.0084 ohm, SMD	WE-HCA1
L2	1	105nH	744302010	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 105nH, 30A, 0.000235 ohm, SMD	7x5x7mm
Q1, Q3	2	25V	CSD16415Q5	Texas Instruments	MOSFET, N-CH, 25 V, 100 A, SON 5x6mm	SON 5x6mm
R1	1	10	CRCW120610R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.25W, 1206	1206
R2	1	0.01	ERJ-M1WSF10MU	Panasonic	RES, 0.01, 1%, 1 W, 2512	2512
R5	1	25.5k	CRCW040225K5FKED	Vishay-Dale	RES, 25.5 k, 1%, 0.063 W, 0402	0402
R7, R8	2	100	CRCW0402100RJNED	Vishay-Dale	RES, 100, 5%, 0.063 W, 0402	0402
R9, R12, R16	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
R11	1	3.3	CRCW04023R30JNED	Vishay-Dale	RES, 3.3 ohm, 5%, 0.063W, 0402	0402
R14	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0 ohm, 1%, 0.063W, 0402	0402
R17	1	8.45k	CRCW04028K45FKED	Vishay-Dale	RES, 8.45 k, 1%, 0.063 W, 0402	0402
R18	1	15.4k	CRCW040215K4FKED	Vishay-Dale	RES, 15.4 k, 1%, 0.063 W, 0402	0402
R21	1	60.4k	CRCW040260K4FKED	Vishay-Dale	RES, 60.4 k, 1%, 0.063 W, 0402	0402
R23	1	1.69k	CRCW04021K69FKED	Vishay-Dale	RES, 1.69 k, 1%, 0.063 W, 0402	0402
R24	1	30k	CRCW040230K0JNED	Vishay-Dale	RES, 30 k, 5%, 0.063 W, 0402	0402
R26	1	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2 k, 1%, 0.063 W, 0402	0402
TP1, TP2	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP4, TP6	3	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP5, TP7	2	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1		LM5122QMHX/NOPB	Texas Instruments	Wide Input Synchronous Boost Controller with Multiple Phase Capability, PWP0020A	PWP0020A
C4	0	150uF	EMZJ160ADA151MF80G	Panasonic	CAP, AL, 150 µF, 16 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 1, SMD	12.5x13.5
C5	0	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
R22	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402

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