

## PMP9402 REV 1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP9402	Any	Printed Circuit Board	
C1, C2, C3	3	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206
C4, C7, C8, C9, C14, C18	6	0.1uF	C1005X7R1H104K050BB	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	0402
C5	1	4.7uF	GRM188R61C475KAAJ	MuRata	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603
C6	1	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603
C10, C13, C16, C17	4	22uF	JMK212BJ226KG-T	Taiyo Yuden	CAP, CERM, 22uF, 6.3V, +/-10%, X5R, 0805	0805
C11	1	820pF	C1005C0G1E821J	TDK	CAP, CERM, 820pF, 25V, +/-5%, C0G/NP0, 0402	0402
C12, C15, C19	3	100uF	JMK316BJ107ML-T	Taiyo Yuden	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	1206
J1, J2	2		614004134726	Würth Elektronik eiSos GmbH	WR-COM USB Type A Up-Right	
L1	1	10uH	7443331000	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 10uH, 8A, 0.0207 ohm, SMD	Inductor, 10.9x9.3x10mm
Q1, Q2	2	80V	BSZ123N08NS3 G	Infineon Technologies	MOSFET, N-CH, 80V, 40A, PG-TSDSON-8	PG-TSDSON-8
R1, R3, R11, R12, R15, R16	6	DNP	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
R2	1	226k	CRCW0402154KFKED	Vishay-Dale	RES, 154k ohm, 1%, 0.063W, 0402	0402
R4	1	1.2k	CRCW06031K20JNEA	Vishay-Dale	RES, 1.2k ohm, 5%, 0.1W, 0603	0603
R5	1	75k	CRCW040275K0JNED	Vishay-Dale	RES, 75k ohm, 5%, 0.063W, 0402	0402
R6, R7, R8	3	0.2	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R9, R10, R17, R18, R20	5	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R19	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0k ohm, 1%, 0.063W, 0402	0402
U1	1		LM3150MH	Texas Instruments	SIMPLE SWITCHER® CONTROLLER, 42V Synchronous Step-Down, 14-pin TSSOP-EP	MXA14A
U2	1		TPS2561ADRC	Texas Instruments	DUAL CHANNEL PRECISION ADJUSTABLE CURRENT-LIMITED POWER SWITCHES, DRC0010A	DRC0010A
U3	1		TPS2513DBV	Texas Instruments	DUAL CHANNEL AUTO DETECT USB CHARGING CONTROLLER, DBV0006A	DBV0006A
VI+, VI-	2		3125-2-00-34-00-00-08-0	Mill-Max	PCB Pin, TH	PCB Pin (3125-2)

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