

PMP11451 REV D Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP11451	Any	Printed Circuit Board	
C1	1	1500pF	DE2E3KY152MN3AM02	MuRata	CAP, CERM, 1500 pF, 250 V, +/- 20%, E, TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm	TH, 2- Leads, Body 7x5mm, Pin Spacing 7.5mm
C2, C3	2	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47 µF, 400 V, +/- 20%, TH	18x20mm
C4	1	0.22uF	890324025027CS	Wurth Elektronik	CAP, Film, 0.22 µF, 275 V, +/- 10%, TH	18x6x11.5mm
C5, C6	2	330uF	25SEPF330M	Panasonic	CAP, Aluminum Polymer, 330 µF, 25 V, +/- 20%, 0.014 ohm, TH	D10xL13mm
C7, C8, C10, C11	4	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X5R, 0402	0402
C12	1	470pF	GRM188R72E471KW07D	MuRata	CAP, CERM, 470 pF, 250 V, +/- 10%, X7R, 0603	0603
C14	1	0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0402	0402
C16, C21	2	10uF	GRM219R61A106KE44D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 10%, X5R, 0805	0805
C100	1	15uF	UHE2A150MED	Nichicon	CAP, AL, 15 µF, 100 V, +/- 20%, 1.2 ohm, TH	D6.3xL11mm
D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D5	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D8	1	30V	BAT54ST-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-523	SOT-523
D9	1	600V	CSFMT108-HF	Comchip Technology	Diode, Superfast Rectifier, 600 V, 1 A, 3.5x1.6mm	3.5x1.6mm
D10	1	18V	MMSZ5248B-7-F	Diodes Inc.	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
D11	1	40V	B340A-13-F	Diodes Inc.	Diode, Schottky, 40 V, 3 A, SMA	SMA
D100	1	150V	SMCJ150A-TP	Micro Commercial Component	Diode, TVS, Uni, 150 V, 1500 W, SMC	SMC
D101	1	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100 V, 0.2 A, SOD-323	SOD-323
F1	1		0443003.DR	Littelfuse	Fuse, 3 A, 250 V, SMD	FUSE 10.1x3.12x3.13mm
J1	1		770W-X2/10	Qualtek Electronics Corporation	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
J2	1		12401548E4#2A	Amphenol Canada	Connector, Receptacle, USB Type C, R/A, TH	Connector, Receptacle, USB Type C, R/A, TH
J5	1		PMP11455 Rev A	Texas Instruments	TPS25740 Daughter Card	4x2 Header Receptacle
L1	1	33uH	DR73-330-R	Coiltronics	Inductor, Shielded Drum Core, Ferrite, 33 µH, 1.31 A, 0.166 ohm, SMD	DR73
L2	1	1mH	744821201	Wurth Elektronik	Coupled inductor, 1 mH, 2 A, 0.045 ohm, TH	15 x 18 x 7.5mm
L3	1	800nH	XAL5030-801MEB	Coilcraft	Inductor, Shielded, Composite, 800 nH, 13 A, 0.01 ohm, SMD	5.3x31.x5.5mm
Q1	1	100 V	FCX493TA	Diodes Inc.	Transistor, NPN, 100 V, 1 A, SOT-89	SOT-89
Q3	1	150V	FDMS86255	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 10 A, SON 5x6mm	SON 5x6mm
Q7	1	650V	IPL60R299CP	Infineon Technologies	MOSFET N-CH 650V 11.1A 4VSON	PG-VSON-4
Q9	1	30V	CSD17578Q3A	Texas Instruments	MOSFET, N-CH, 30 V, 14 A, SON 3.3x3.3mm	SON 3.3x3.3mm
Q100	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
R4, R9, R28	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R5, R30	2	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R6	1	576k	CRCW0402576KFKED	Vishay-Dale	RES, 576 k, 1%, 0.063 W, 0402	0402
R7	1	442k	CRCW0402442KFKED	Vishay-Dale	RES, 442 k, 1%, 0.063 W, 0402	0402
R8	1	51.1	ERJ-8ENF51R1V	Panasonic	RES, 51.1, 1%, 0.25 W, 1206	1206
R10	1	3.24k	CRCW04023K24FKED	Vishay-Dale	RES, 3.24 k, 1%, 0.063 W, 0402	0402
R12	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
R14	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R16	1	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.125 W, 0805	0805

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R17	1	0.2	WSL2010R2000FEA	Vishay-Dale	RES, 0.2, 1%, 0.5 W, 2010	2010
R18	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R19	1	332k	CRCW0402332KFKED	Vishay-Dale	RES, 332 k, 1%, 0.063 W, 0402	0402
R20	1	1.78k	CRCW04021K78FKED	Vishay-Dale	RES, 1.78 k, 1%, 0.063 W, 0402	0402
R21, R22	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R23	1	1.00Meg	CRCW04021M00FKED	Vishay-Dale	RES, 1.00 M, 1%, 0.063 W, 0402	0402
R24	1	26.1k	CRCW040226K1FKED	Vishay-Dale	RES, 26.1 k, 1%, 0.063 W, 0402	0402
R25	1	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
R27	1	49.9k	CRCW120649K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.25 W, 1206	1206
R31	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R32	1	4.99	CRCW08054R99FKEA	Vishay-Dale	RES, 4.99, 1%, 0.125 W, 0805	0805
R37	1	0.006	WSL12065L000FEA18	Vishay-Dale	RES, 0.005, 1%, 0.5 W, 1206	1206
R40	1	100	CRCW0402100RFKED	Vishay-Dale	RES, 100, 1%, 0.063 W, 0402	0402
T1	1	75uH	RLTI-1159	Renco Electronics	Transformer, 75 uH, TH	1250x1020mil
TP3	1	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP8	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U2	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U3	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A	D0007A
U4	1		VOS617A-7X001T	Vishay-Semiconductor	OptoCoupler, Phototransistor, 80-160%, SSOP-4	7x2.12x2.6mm
U5	1		TL431AIDBZR	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
C20	0	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
D2	0	5.6V	MMSZ5232BS-7-F	Diodes Inc.	Diode, Zener, 5.6 V, 200 mW, SOD-323	SOD-323
D200	0	200V	CDBZ320200-HF	Comchip Technology	Diode, Schottky, 200 V, 20 A, PowerDI5	PowerDI5
J3, J4	0		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
Q8	0	40 V	CMST2222A TR	Central Semiconductor	Transistor, NPN, 40 V, 0.6 A, SOT-323	SOT-323
R26	0	6.65k	CRCW04026K65FKED	Vishay-Dale	RES, 6.65 k, 1%, 0.063 W, 0402	0402
R29	0	5.90k	CRCW04025K90FKED	Vishay-Dale	RES, 5.90 k, 1%, 0.063 W, 0402	0402
R36	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
U7	0		TPS2514ADBVR	Texas Instruments	USB Dedicated Charging Port Controller, DBV0006A	DBV0006A

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