

PMP11180 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP11180	Any	Printed Circuit Board	
C1	1	4700pF	DE2E3KY472MB3BM02F	MuRata	CAP, CERM, 4700 pF, 250 V, +/- 20%, E, 10x5x13mm	10x5x13mm
C2, C3	2	820uF	RL80J821MDN1KX	Nichicon	CAP, AL, 820uF, 6.3V, +/-20%, 0.008 ohm, TH	D8xL8
C4, C5, C6	3	47uF	GRM31CR61A476KE15L	MuRata	CAP, CERM, 47 uF, 10 V, +/- 10%, X5R, 1206	1206
C7, C10	2	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
C8	1	33uF	EEUED2D330	Panasonic	CAP, AL, 33uF, 200V, +/-20%, 0.542573 ohm, TH	10x20
C9	1	0.22uF	890324025027CS	Würth Elektronik	CAP, Film, 0.22 uF, 275 V, +/- 10%, TH	18x6x11.5mm
C11	1	2200pF	GRM155R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V, +/- 10%, X7R, 0402	0402
C12	1	10uF	CGA5L3X5R1H106K160AB	TDK	CAP, CERM, 10uF, 50V, +/-10%, X5R, 1206_190	1206_190
C13	1	0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0402	0402
C14, C17, C18, C26, C30, C31	6	10uF	GRM219R61A106KE44D	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X5R, 0805	0805
C15, C16, C25, C33	4	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X5R, 0402	0402
C19, C20, C21, C22, C27, C28, C34, C35	8	22uF	GRM21BR60J226ME39L	MuRata	CAP, CERM, 22 uF, 6.3 V, +/- 20%, X5R, 0805	0805
C23, C24, C29	3	0.01uF	GCM155R71E103KA37D	MuRata	CAP, CERM, 0.01 uF, 25 V, +/- 10%, X7R, 0402	0402
C32	1	33pF	GRM155C1H330JA01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C36	1	0.47uF	GRM155R61C474KE01	MuRata	CAP, CERM, 0.47 uF, 16 V, +/- 10%, X5R, 0402	0402
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	1	1.05V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600V, 1A, SMA	SMA
D4	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
D5	1	30V	BAT54ST-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-523	SOT-523
F1	1		0452003.	Littelfuse	Fuse, 3A, 125V, SMD	SloBlo452
J1	1		770W-X2/10	Qualtek Electronics Corporation	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
L1	1	30 ohm	MPZ2012S300AT000	TDK	Ferrite Bead, 30 ohm @ 100 MHz, 6 A, 0805	0805
L2	1	10mH	744821110	Würth Elektronik	Coupled inductor, 10 mH, 0.7 A, 0.35 ohm, +/- 30%, TH	15 x 18 x 7.5mm
L3, L6	2	1.5uH	XAL4020-152MEB	Coilcraft	Inductor, Shielded, Composite, 1.5 uH, 7.12 A, 0.02 ohm, SMD	4x2.1x4mm
L4, L5	2	2.2uH	XAL4020-222MEB	Coilcraft	Inductor, Shielded, Composite, 2.2 uH, 5.5 A, 0.04 ohm, SMD	4x2.1x4mm
Q1	1	30V	CSD17559Q5	Texas Instruments	MOSFET, N-CH, 30 V, 100 A, SON 5x6mm	SON 5x6mm
Q2	1	600V	AOD11S60	AOS	MOSFET, N-CH, 600 V, 11 A, DPAK	DPAK
R1	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R2	1	221k	CRCW0402221KFKED	Vishay-Dale	RES, 221 k, 1%, 0.063 W, 0402	0402
R3	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R4	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, 0402	0402
R5	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
R6, R13, R18, R20, R23, R24, R29, R30, R31, R34, R35	11	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R7	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
R8	1	20	CRCW040220R0JNED	Vishay-Dale	RES, 20, 5%, 0.063 W, 0402	0402
R9	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R10	1	90.9k	CRCW040290K9FKED	Vishay-Dale	RES, 90.9 k, 1%, 0.063 W, 0402	0402

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R11	1	1.78k	CRCW04021K78FKED	Vishay-Dale	RES, 1.78 k, 1%, 0.063 W, 0402	0402
R12	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, 0402	0402
R14	1	0.43	MCR18EZHJLR43	Rohm	RES, 0.43, 5%, 0.25 W, 1206	1206
R15	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R16	1	499	CRCW0402499RFKED	Vishay-Dale	RES, 499, 1%, 0.063 W, 0402	0402
R17	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R19	1	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
R21	1	3.32k	CRCW04023K32FKED	Vishay-Dale	RES, 3.32 k, 1%, 0.063 W, 0402	0402
R22, R25, R26, R32, R38	5	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R27, R36	2	33.2k	CRCW040233K2FKED	Vishay-Dale	RES, 33.2 k, 1%, 0.063 W, 0402	0402
R28	1	9.53k	CRCW04029K53FKED	Vishay-Dale	RES, 9.53 k, 1%, 0.063 W, 0402	0402
R33	1	22.6k	CRCW040222K6FKED	Vishay-Dale	RES, 22.6 k, 1%, 0.063 W, 0402	0402
R37	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, 0402	0402
T1	1	220 uH	RLTI-1157	Renco Electronics	Transformer, 220 uH, TH	1100x890mil
TP1, TP3, TP4, TP9, TP12	5	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP7, TP8, TP11, TP14	5	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP5, TP6, TP10, TP13	4	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
U1	1		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U2	1		UCC28740DR	Texas Instruments	Constant-Voltage, Constant-Current Flyback Controller Using Opto- Coupler Feedback, D0007A	D0007A
U3	1		VOS617A-7X001T	Vishay-Semiconductor	OptoCoupler, Phototransistor, 80-160%, SSOP-4	7x2.12x2.6mm
U4	1		TLVH431AQDBVRQ1	Texas Instruments	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR, DBV0005A	DBV0005A
U5, U7	2		TPS562210DDF	Texas Instruments	TPS553210DDF, DDF0008A	DDF0008A
U6	1		TPS563210DDF	Texas Instruments	TPS553210DDF, DDF0008A	DDF0008A
U8	1		TPS56528DDA	Texas Instruments	4.5V to 18, 5A Synchronous Step-Down SWIFT Converter with Advanced Eco-Mode, DDA0008E	DDA0008E

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