

PMP11371 REV F Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP11371	Any	Printed Circuit Board	
C1	1	47uF	EEUED2G470	Panasonic	CAP, AL, 47 μ F, 400 V, +/- 20%, 0.609529 ohm, TH	16x25
C2	1	33uF	EEUED2G330S	Panasonic	CAP, AL, 33 μ F, 400 V, +/- 20%, 0.868117 ohm, TH	16x20
C3	1	10uF	GRM21BR61C106KE15L	MuRata	CAP, CERM, 10 μ F, 16 V, +/- 10%, X5R, 0805	0805
C4	1	47pF	GRM1555C1H470FA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C5	1	0.22uF	890324025027CS	Würth Elektronik	CAP, Film, 0.22 μ F, 275 V, +/- 10%, TH	18x6x11.5mm
C6, C8	2	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
C7, C10, C14	3	470uF	16SEPC470M	Panasonic	CAP POLYMER 470UF 20% 16V T/H	D8xL8
C9	1	100uF	EEU-EB1E101S	Panasonic	CAP, AL, 100 μ F, 25 V, +/- 20%, TH	6.3x11.2mm
C13	1	4.7uF	GRM31CR71H475KA12L	MuRata	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, 1206	1206
C15	1	2200pF	CS11-E2GA222MYNS	TDK	CAP, CERM, 2200 pF, 250 V, +/- 20%, E, Radial Disc D10.5x7mm	Radial Disc D10.5x7mm
C16	1	0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 μ F, 50 V, +/- 10%, X7R, 0402	0402
C17	1	10uF	GRM219R61A106KE44D	MuRata	CAP, CERM, 10 μ F, 10 V, +/- 10%, X5R, 0805	0805
D1	1	600V	Z4DGP406L-HF	Comchip Technology	Diode, P-N-Bridge, 600 V, 4 A, Z4-D	Z4-D
D3	1	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, AEC-Q101, SMA	SMA
D5	1	200V	BAS21-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOT-23	SOT-23
D6	1	75V	BAS16-7-F	Diodes Inc.	Diode, Ultrafast, 75 V, 0.3 A, SOT-23	SOT-23
D9	1	30V	BAT54ST-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-523	SOT-523
D100, D101	2	70V	SMCJ70A	Littelfuse	Diode, TVS, Uni, 70 V, 1500 W, SMC	SMC
D200	1	40V	PDS1040L-13	Diodes Inc.	Diode, Schottky, 40 V, 10 A, PowerDI5	PowerDI5
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		282841-2	TE Connectivity	Terminal Block, 2x1, 5.08mm, TH	10.16x15.2x9mm
L1	1	33uH	DR73-330-R	Coiltronics	Inductor, Shielded Drum Core, Ferrite, 33 μ H, 1.31 A, 0.166 ohm, SMD	DR73
L2	1	2.2mH	744822222	Würth Elektronik	COMMON MODE CHOKE 2A 2 LN T/H	17.5x22x13 mm
L3	1	1.1uH	744314110	Würth Elektronik	Inductor, Shielded Drum Core, Superflux, 1.1 μ H, 13 A, 0.0032 ohm, SMD	6.9x4.8x6.9mm
Q1, Q2	2	60V	CSD18540Q5B	Texas Instruments	MOSFET, N-CH, 60 V, 28 A, SON 5x6mm	SON 5x6mm
Q3	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
Q4	1	600V	IPD60R280P7S	Infineon Technologies	MOSFET N-CH 600V 12A TO252-3	DDPAK
R1	1	249k	CRCW0402249KFKED	Vishay-Dale	RES, 249 k, 1%, 0.063 W, 0402	0402
R2	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R4	1	5.1	CRCW20105R10JNEF	Vishay-Dale	RES, 5.1, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R5	1	165k	CRCW0402165KFKED	Vishay-Dale	RES, 165 k, 1%, 0.063 W, 0402	0402
R8, R20	2	0	CRCW0402000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
R9	1	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, 0402	0402
R10	1	1.78k	CRCW04021K78FKED	Vishay-Dale	RES, 1.78 k, 1%, 0.063 W, 0402	0402
R11	1	2.00	CRCW06032R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.1 W, 0603	0603
R12	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, 0402	0402
R14	1	0.2	CSRN2010FKR200	Stackpole Electronics Inc	RES, 0.2, 1%, 1 W, 2010	2010
R15, R16, R23, R26	4	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R17	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402

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R18	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R21	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, 0402	0402
R22	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99 k, 1%, 0.063 W, 0402	0402
R25	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, 0402	0402
R28	1	8.25k	CRCW04028K25FKED	Vishay-Dale	RES, 8.25 k, 1%, 0.063 W, 0402	0402
R29	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
T1	1	100uH	RLTI-1174	Renco Electronics	Flyback Transformer, 100uH, TH	1410x1410mil
TP1	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
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		UCC24636DBVR	Texas Instruments	SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A	DBV0006A
U5	1		TL431AIDBZT	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

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