

## PMP10936 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP10936	Any	Printed Circuit Board	
C2	1	22uF	EKXG401ELL220MK20S	Nippon Chemi-Con	CAP, AL, 22uF, 400V, +/-20%, TH	12.5x20mm
C3	1	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47uF, 400V, +/-20%, TH	18x20mm
C4	1	0.22uF	890324025027CS	Würth Elektronik	CAP, Film, 0.22 µF, 275 V, +/- 10%, TH	18x6x11.5mm
C5	1	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
C6	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
C7, C8	2	180uF	RL81C181MDN1KX	Nichicon	CAP, AL, 180uF, 16V, +/-20%, 0.12 ohm, TH	D8xL8
C9	1	1uF	C1005X5R1E105K050BC	TDK	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0402	0402
C10	1	10uF	C2012X6S1C106MT	TDK	CAP, CERM, 10uF, 16V, +/-10%, X6S, 0805	0805
C11	1	0.1uF	TMK105B7104MV-FR	Taiyo Yuden	CAP, CERM, 0.1 µF, 25 V, +/- 20%, X7R, 0402	0402
C13	1	4.7uF	C2012X5R1H475K125AB	TDK	CAP, CERM, 4.7uF, 50V, +/-10%, X5R, 0805	0805
C14	1	4700pF	C1005X7R1H472K	TDK	CAP, CERM, 4700pF, 50V, +/-10%, X7R, 0402	0402
C15	1	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402
D1	1	1.1V	DF1506S-T	Diodes Inc.	Diode, Switching-Bridge, 600V, 1.5A, DF-S	DF-S
D2, D4	2	600V	MURA160T3G	ON Semiconductor	Diode, Ultrafast, 600 V, 1 A, SMA	SMA
D5	1	200V	BAS21-TP	Micro Commercial Component	Diode, P-N, 200V, 200A, SOT-23	SOT-23
D6	1	5.1V	MMSZ5231BS-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 200 mW, SOD-323	SOD-323
D7	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
F1	1		39213150000	Littelfuse	Fuse, 3.15A, 250V, TH	8x8.5x4mm
J1	1		770W-X2/10	Qualek Electronics Corporation	AC Receptacle, 2.5A, R/A, TH	AC, Reception 14.5x15x22 mm
L2	1	4mH	744821240	Würth Elektronik	Coupled inductor, 4 mH, 1.5 A, 0.14 ohm, +/- 30%, TH	15 x 18 x 7.5mm
L3	1	50 ohm	HI1206T500R-10	Laird-Signal Integrity Products	Ferrite Bead, 50 ohm @ 100MHz, 6A, 1206	1206
Q2	1	100V	CSD19531Q5A	Texas Instruments	MOSFET, N-CH, 100V, 16A, SON 5x6mm	SON 5x6mm
Q3, Q4	2	600V	AOD7S60	AOS	MOSFET, N-CH, 600 V, 7 A, DPAK	DPAK
Q5	1	60V	2N7002P,215	NXP Semiconductor	MOSFET, N-CH, 60 V, 0.36 A, SOT-23	SOT-23
R1	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R2	1	511k	CRCW0402511KFKED	Vishay-Dale	RES, 511 k, 1%, 0.063 W, 0402	0402
R3	1	402k	CRCW0402402KFKED	Vishay-Dale	RES, 402 k, 1%, 0.063 W, 0402	0402
R4, R17	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R5	1	30.1	CRCW040230R1FKED	Vishay-Dale	RES, 30.1 ohm, 1%, 0.063W, 0402	0402
R6	1	93.1k	CRCW040293K1FKED	Vishay-Dale	RES, 93.1k ohm, 1%, 0.063W, 0402	0402
R7	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R8	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9k ohm, 1%, 0.063W, 0402	0402
R9	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0 ohm, 5%, 0.063W, 0402	0402
R10	1	0.39	ERJ-8RQFR39V	Panasonic	RES, 0.39, 1%, 0.25 W, 1206	1206
R11	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R12	1	4.99k	CRCW04024K99FKED	Vishay-Dale	RES, 4.99k ohm, 1%, 0.063W, 0402	0402
R13	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
R15	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100k ohm, 1%, 0.063W, 0402	0402
R16	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R18	1	11.5k	CRCW040211K5FKED	Vishay-Dale	RES, 11.5 k, 1%, 0.063 W, 0402	0402
R19	1	10	CRCW040210R0JNED	Vishay-Dale	RES, 10, 5%, 0.063 W, 0402	0402
T1	1	220uH	7508112339	Würth Elektronik eiSos	Transformer, 220uH, TH	25x16x22.2mm
T2	1	2.3mH	RLTI-1143	Renco Electronics	Transformer, 2.3mH, TH	420x385x340mil

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP3	1	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP4	1	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose 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
U4	1		VOS617A-7X001T	Vishay-Semiconductor	OptoCoupler, Phototransistor, 80-160%, SSOP-4	7x2.12x2.6mm
U5	1		TLVH431AQDBVRQ1	Texas Instruments	LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR, DBV0005A	DBV0005A
C1	0	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402
L1	0	33uH	CDRH6D28NP-330NC	Sumida	Inductor, Shielded Drum Core, Ferrite, 33uH, 0.97A, 0.165 ohm, SMD	CDRH6D28
R21	0	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206

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