

PMP10885 REV C Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP10885	Any	Printed Circuit Board	
C1	1	47uF	EEU-EE2G470S	Panasonic	CAP, AL, 47uF, 400V, +/-20%, TH	18x20mm
C2	1	0.047uF	GRM32DR72J473KW01L	MuRata	CAP, CERM, 0.047uF, 630V, +/-10%, X7R, 1210	1210
C3	1	0.22uF	890324025027CS	Wurth Elektronik	CAP, Film, 0.22 uF, 275 V, +/- 10%, TH	18x6x11.5mm
C4, C5	2	820uF	RL80J821MDN1KX	Nichicon	CAP, AL, 820uF, 6.3V, +/-20%, 0.008 ohm, TH	D8xL8
C6, C9, C12, C15, C17	5	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
C7	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
C8	1	10uF	CGA5L3X5R1H106K160AB	TDK	CAP, CERM, 10uF, 50V, +/-10%, X5R, 1206_190	1206_190
C10	1	0.022uF	GRM155R71H223KA12D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, 0402	0402
C11	1	10uF	GRM219R61A106KE44D	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X5R, 0805	0805
C13, C18	2	47uF	GRM31CR61A476KE15L	MuRata	CAP, CERM, 47uF, 10V, +/-10%, X5R, 1206	1206
C14, C16	2	0.1uF	C1005X5R0J104K	TDK	CAP, CERM, 0.1uF, 6.3V, +/-10%, X5R, 0402	0402
C19	1	1000pF	GRM1555C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 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		0443003.DR	Littelfuse	Fuse, 3 A, 250 V, SMD	FUSE 10.1x3.12x3.13mm
J1, J2	2		0673298020	Molex	Connector, Receptacle, USB Type A, Vertical, R/A, TH	13.68x14.47x7mm
J100	1		923345-01-C	3M	Jumper Wire, 100mil spacing, pkg of 200, TH	Wire Jumper
L1	1	10mH	744821110	Wurth Elektronik	Coupled inductor, 10 mH, 0.7 A, 0.35 ohm, +/- 30%, TH	15 x 18 x 7.5mm
L100	1	30 ohm	MPZ2012S300AT000	TDK	Ferrite Bead, 30 ohm @ 100 MHz, 6 A, 0805	0805
Q1	1	600V	AOD7S60	AOS	MOSFET, N-CH, 600 V, 7 A, DPAK	DPAK
Q2	1	60V	CSD18531Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 19 A, SON 5x6mm	SON 5x6mm
R2	1	51	CRCW120651R0JNEA	Vishay-Dale	RES, 51, 5%, 0.25 W, 1206	1206
R3	1	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00k ohm, 1%, 0.063W, 0402	0402
R4	1	20	CRCW040220R0JNED	Vishay-Dale	RES, 20, 5%, 0.063 W, 0402	0402
R5	1	221k	CRCW0402221KFKED	Vishay-Dale	RES, 221 k, 1%, 0.063 W, 0402	0402
R6	1	90.9k	CRCW040290K9FKED	Vishay-Dale	RES, 90.9 k, 1%, 0.063 W, 0402	0402
R7	1	154k	CRCW0402154KFKED	Vishay-Dale	RES, 154 k, 1%, 0.063 W, 0402	0402
R8, R11, R18, R20, R23, R25	6	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402, RES, 10.0k ohm, 1%, 0.063W, 0402, RES, 10.0k ohm, 1%, 0.063W, 0402	0402
R9	1	1.78k	CRCW04021K78FKED	Vishay-Dale	RES, 1.78 k, 1%, 0.063 W, 0402	0402
R10, R19	2	30.1k	CRCW040230K1FKED	Vishay-Dale	RES, 30.1 k, 1%, 0.063 W, 0402	0402
R12	1	37.4k	CRCW040237K4FKED	Vishay-Dale	RES, 37.4 k, 1%, 0.063 W, 0402	0402
R13	1	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, 0402	0402
R14	1	0.43	MCR18EZHLR43	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
R21	1	3.32k	CRCW04023K32FKED	Vishay-Dale	RES, 3.32 k, 1%, 0.063 W, 0402	0402
R22	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402

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R24, R26	2	44.2k	CRCW040244K2FKED	Vishay-Dale	RES, 44.2 k, 1%, 0.063 W, 0402	0402
R27	1	5.1	CRCW12065R10JNEA	Vishay-Dale	RES, 5.1, 5%, 0.25 W, 1206	1206
T1	1	220 uH	RLTI-1133	Renco Electronics	Transformer, 220 uH, TH	890x1100mil
TP1, TP2	2	White	5002	Keystone	Test Point, Miniature, White, TH	White 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, U9	2		TPS2559DRC	Texas Instruments	Precision Adjustable Current-Limited Power-Distribution Switch, DRC0010A	DRC0010A
U6, U8	2		TPD2E001DRLR	Texas Instruments	Low-Capacitance + / - 15 kV ESD-Protection Array for High-Speed Data Interfaces, 2 Channels, -40 to +85 degC, 5-pin SOT (DRL), Green (RoHS & no Sb/Br)	DRL0005A
U7	1		TPS2513DBV	Texas Instruments	DUAL CHANNEL AUTO DETECT USB CHARGING CONTROLLER, DBV0006A	DBV0006A

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