

**PMP8817 Rev C Bill Of Materials**

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
!PCB	1		Printed Circuit Board		PMP8817	Any
C1	1	47uF	CAP, AL, 47uF, 400V, +/-20%, TH	16x25	UCS2G470MHD	Nichicon
C2	1	0.047uF	CAP, CERM, 0.047uF, 630V, +/-10%, X7R, 1210	1210	GRM32DR72J473KW01L	MuRata
C3	1	0.33uF	CAP, CERM, 0.33uF, 50V, +10%, X7R, 0805	0805	GRM219R71H334KA88D	MuRata
C4, C5, C10, C14	4	1uF	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402	GRM155R61A105KE15D	MuRata
C6	1	0.1uF	CAP, Film, 0.1uF, 630V, +/-10%, TH	B32922_10.5mm	B32922C3104K	EPCOS Inc
C7	1	22pF	CAP, CERM, 22pF, 50V, +/-5%, COG/NP0, 0402	0402	GRM1555C1H220JA01D	MuRata
C8	1	4.7pF	CAP, CERM, 4.7pF, 50V, +/-5%, COG/NP0, 0402	0402	GRM1555C1H477CA01D	MuRata
C9, C11	2	47uF	CAP, CERM, 47uF, 10V, +/-10%, X5R, 1206	1206	GRM31CR61A476KE15L	MuRata
C12, C13	2	820uF	CAP, AL, 820uF, 6.3V, +/-20%, 0.008 ohm, TH	D8xL8	RL80J821MDN1KX	Nichicon
C15	1	2200pF	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm	DE2E3KY222MA2BM01	MuRata
C200, C201, C202, C203, C204	5	0.1uF	CAP, CERM, 0.1uF, 6.3V, +/-10%, X5R, 0402	0402	C1005X5R0J104K	TDK
D1	1	1V	Diode, Switching-Bridge, 400V, 0.8A, MiniDIP	MiniDIP	HD04-T	Diodes Inc.
D2	1	120V	Diode, TVS, Uni, 120V, 1500W, SMC	SMC	SMCJ120A-TP	Micro Commercial Components
D3	1	1.05V	Diode, Ultrafast, 600V, 1A, SMA	SMA	MURA160T3G	ON Semiconductor
D4	1	1.25V	Diode, Ultrafast, 100V, 0.15A, SOD-123	SOD-123	1N4148W-7-F	Diodes Inc.
F1	1		Fuse, 3A, 125V, SMD	SloBlo452	0452003.	Littelfuse
J1, J2	2		Connector, Receptable, USB Type A, Vertical, TH	Vertical USB Type A	1002-021-01000	CnC Tech
L1, L2	2	220uH	Inductor, Shielded, Powdered Iron, 22uH, 1A, 0.49 ohm, SMD	4.2x1.8x4.1mm	RL-4018-220M	Renco Electronics
Q1	1	800V	MOSFET, N-CH, 800V, 4A, DPAK	DPAK	SPD04N80C3	Infineon Technologies
Q2	1	60V	MOSFET, N-CH, 60V, SON 5x6mm	SON 5x6mm	CSD18533Q5A	Texas Instruments
R1, R3	2	2.00Meg	RES, 2.00Meg ohm, 1%, 0.25W, 1206	1206	ERJ-8ENF2004V	Panasonic
R2	1	200	RES, 200 ohm, 5%, 0.25W, 1206	1206	CRCW1206200RJNEA	Vishay-Dale
R4, R15	2	23.2k	RES, 23.2k ohm, 1%, 0.063W, 0402	0402	CRCW040223K2FKED	Vishay-Dale
R5	1	95.3k	RES, 95.3k ohm, 1%, 0.063W, 0402	0402	CRCW040295K3FKED	Vishay-Dale
R7	1	3.01k	RES, 3.01k ohm, 1%, 0.063W, 0402	0402	CRCW04023K01FKED	Vishay-Dale
R8	1	24.3k	RES, 24.3k ohm, 1%, 0.063W, 0402	0402	CRCW040224K3FKED	Vishay-Dale
R9	1	28.0k	RES, 28.0k ohm, 1%, 0.063W, 0402	0402	CRCW040228K0FKED	Vishay-Dale
R10	1	0.68	RES, 0.68 ohm, 1%, 0.25W, 1206	1206	ERJ-8RQFR68V	Panasonic
R13	1	10	RES, 10 ohm, 5%, 0.063W, 0402	0402	CRCW040210R0JNEA	Vishay-Dale
R14	1	0	RES, 0 ohm, 5%, 0.063W, 0402	0402	CRCW0402000Z0ED	Vishay-Dale
R16	1	200k	RES, 200k ohm, 1%, 0.063W, 0402	0402	CRCW0402200KFKED	Vishay-Dale
R17	1	75.0	RES, 75.0 ohm, 1%, 0.063W, 0402	0402	CRCW040275R0FKED	Vishay-Dale
R18	1	51	RES, 51 ohm, 5%, 0.063W, 0402	0402	CRCW040251R0JNEA	Vishay-Dale
R100	1	1.00k	RES, 1.00k ohm, 1%, 0.063W, 0402	0402	CRCW04021K00FKED	Vishay-Dale
R200	1	499k	RES, 499k ohm, 1%, 0.063W, 0402	0402	CRCW0402499KFKED	Vishay-Dale
R201	1	10.0k	RES, 10.0k ohm, 1%, 0.063W, 0402	0402	CRCW040210K0FKED	Vishay-Dale
T2	1	370 uH	Transformer, 370uH, TH	760x670x730mil	RLTI-1083	Renco Electronics
TP1, TP2	2	White	Test Point, TH, Multipurpose, White	Keystone5012	5012	Keystone
U1	1		DUAL CHANNEL AUTO DETECT USB CHARGING CONTROLLER, DBV0006A	DBV0006A	TPS2513DBV	Texas Instruments
U3	1		GREEN Rectifier Controller Device, DRB0008A	DRB0008A	UCC24610DRB	Texas Instruments
U4	1		Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, DBV0006A	DBV0006A	UCC28700DBV	Texas Instruments
U5	1		DUAL CHANNEL PRECISION ADJUSTABLE CURRENT-LIMITED POWER SWITCHES, DRC0010A	DRC0010A	TPS2561ADRC	Texas Instruments
U200	1		1.8V, Resistor-Programmable TEMPERATURE SWITCH and ANALOG OUT TEMPERATURE SENSOR, DCK0006A	DCK0006A	TMP300BIDCK	Texas Instruments
U201, U202	2		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	TPD2E001DRLR	Texas Instruments

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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