

PMP9202 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB?	1		PMP9202	Any	Printed Circuit Board	
C1, C2	2	6.8uF	UCA2G6R8MPD1TD	Nichicon	CAP, AL, 6.8uF, 400V, +/-20%, TH	CAPPR5-10x16
C3	1	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
C4, C5	2	820uF	RL80J821MDN1KX	Nichicon	CAP, AL, 820uF, 6.3V, +/-20%, 0.008 ohm, TH	D8xL8
C6, C7	2	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402
C10	1	2200pF	DE2E3KY222MA2BM01	MuRata	CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm	Radial D8x5mm
D1	1	600V	RH06-T	Diodes Inc.	Diode, Switching-Bridge, 600V, 0.5A, MiniDIP	MiniDIP
D2	1	90V	SMAJ90A	Littelfuse	Diode, TVS, Uni, 90V, 400W, SMA	SMA
D3	1	1.05V	MRA4007	ON Semiconductor	DIODE GEN PURPOSE 1000V 1A SMA	SMA
D4	1	45V	SBR10U45SP5	Diodes Inc.	Diode, Super Barrier Rectifier, 45V, 10A, PowerDI5	PowerDI5
D5	1	100V	BAS316,115	NXP Semiconductor	Diode, Ultrafast, 100V, 0.25A, SOD-323	SOD-323
F1	1		RST 500	Bel Fuse	Fuse, 0.5A, 250V, TH	8.35x7.7x4mm
J1	1		1002-021-01000	CnC Tech	Connector, Receptable, USB Type A, Vertical, TH	Vertical USB Type A
L1	1	100uH	ME3220-104KLB	Coilcraft	Inductor, Drum Core, Ferrite, 100uH, 0.32A, 3.5 ohm, SMD	ME3220
L2	1	1uH	XFL3012-102MEB	Coilcraft	Inductor, Shielded, Composite, 1uH, 2.5A, 0.04 ohm, SMD	3x1.2x3mm
Q1	1	600V	AOD3N60	Alpha & Omega Semiconductor	MOSFET N-CH 600V 2.5A TO252	DPAK
R3	1	49.9	CRCW120649R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.25W, 1206	1206
R4	1	49.9	STD	STD	RES, 1%, 0.063W, 0402	0402
R10	1	0.91	STD	STD	RES, 1%, 0.125W, 0805	0805
R11	1	1.78k	STD	STD	RES, 1%, 0.063W, 0402	0402
R15	1	133k	STD	STD	RES, 1%, 0.063W, 0402	0402
R16	1	31.6k	STD	STD	RES, 1%, 0.063W, 0402	0402
R17	1	100k	STD	STD	RES, 1%, 0.063W, 0402	0402
R18	1	3.01k	STD	STD	RES, 1%, 0.063W, 0402	0402
T1	1	435 uH	RLTI-1067	Renco Electronics	Transformer, 430uH, TH	760x670x730mil
TP1, TP2	2	White	5012	Keystone	Test Point, TH, Multipurpose, White	Keystone5012
TP3	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP4	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		UCC28710D	Texas Instruments	Constant-Voltage, Constant-Current Controller With Primary-Side Regulation, D0007A	D0007A

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