

PMP9204 Rev B Bill of Materials

| Designator | Quantity | Value | Description | PackageReference | PartNumber | Manufacturer |
|------------|----------|--------|---|---------------------------|----------------------|---------------------------------|
| IPC? | 1 | | Printed Circuit Board | | PMP9204 | Any |
| C1, C2 | 2 | 6.8uF | CAP, AL, 6.8uF, 400V, +/-20%, TH | CAPPR5-10x16 | UCA2G6R8MPD1TD | Nichicon |
| C3 | 1 | 10uF | CAP, CERM, 10uF, 50V, +/-10%, X5R, 1206_190 | 1206_190 | CGA5L3X5R1H106K160AB | TDK |
| C4, C5 | 2 | 220uF | CAP ALUM 220UF 6.3V 20% RADIAL | RCAP, 6.3x8mm | APSA6R3ELL221MFA5G | United Chemi-Con |
| C6, C7 | 2 | 1uF | CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402 | 0402 | GRM155R61A105KE15D | MuRata |
| C10 | 1 | 2200pF | CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm | Radial D8x5mm | DE2E3KY222MA2BM01 | MuRata |
| C13 | 1 | 0.22uF | CAP, CERM, 16V, +/-10%, X7R, 0402 | 0402 | STD | STD |
| C100 | 1 | 0.01uF | CAP, CERM, 25V, +/-10%, X7R, 0402 | 0402 | STD | STD |
| D1 | 1 | 600V | Diode, Switching-Bridge, 600V, 0.5A, MiniDIP | MiniDIP | RH06-T | Diodes Inc. |
| D2 | 1 | 90V | Diode, TVS, Uni, 90V, 400W, SMA | SMA | SMAJ90A | Littelfuse |
| D3 | 1 | 1.05V | DIODE GEN PURPOSE 1000V 1A SMA | SMA | MRA4007 | ON Semiconductor |
| D4 | 1 | 45V | Diode, Super Barrier Rectifier, 45V, 10A, PowerDi5 | PowerDi5 | SBR10U45SP5 | Diodes Inc. |
| D5 | 1 | 100V | Diode, Ultrafast, 100V, 0.25A, SOD-323 | SOD-323 | BAS316,115 | NXP Semiconductor |
| F1 | 1 | | Fuse, 0.5A, 250V, TH | 8.35x7.7x4mm | RST 500 | Bel Fuse |
| J1 | 1 | | Connector, Receptable, USB Type A, Vertical, TH | Vertical USB Type A | 1002-021-01000 | CnC Tech |
| L1 | 1 | 100uH | Inductor, Drum Core, Ferrite, 100uH, 0.32A, 3.5 ohm, SMD | ME3220 | ME3220-104KLB | Coilcraft |
| L2 | 1 | 1uH | Inductor, Shielded, Composite, 1uH, 2.5A, 0.04 ohm, SMD | 3x1.2x3mm | XFL3012-102MEB | Coilcraft |
| Q1 | 1 | 600V | MOSFET N-CH 600V 2.5A TO252 | DPAK | AOD3N60 | Alpha & Omega Semiconductor Inc |
| R3 | 1 | 49.9 | RES, 49.9 ohm, 1%, 0.25W, 1206 | 1206 | CRCW120649R9FKEA | Vishay-Dale |
| R4 | 1 | 49.9 | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R5 | 1 | 0 | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R6, R12 | 2 | 1.00k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R9 | 1 | 2.00k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R10 | 1 | 0.91 | RES, 1%, 0.125W, 0805 | 0805 | STD | STD |
| R11 | 1 | 1.78k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R14, R16 | 2 | 30.1k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R15 | 1 | 133k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R17, R103 | 2 | 10k | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| R101, R102 | 2 | 499 | RES, 1%, 0.063W, 0402 | 0402 | STD | STD |
| T1 | 1 | 435 uH | Transformer, 430uH, TH | 760x670x730mil | RLTI-1067 | Renco Electronics |
| TP1, TP2 | 2 | White | Test Point, TH, Multipurpose, White | Keystone5012 | 5012 | Keystone |
| TP3 | 1 | Red | Test Point, Miniature, Red, TH | Red Miniature Testpoint | 5000 | Keystone |
| TP4 | 1 | Black | Test Point, Miniature, Black, TH | Black Miniature Testpoint | 5001 | Keystone |
| U1 | 1 | | Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A | D0007A | UCC28740D | Texas Instruments |
| U2 | 1 | | PRECISION PROGRAMMABLE REFERENCE, DBZ0003A | DBZ0003A | TL431AIDBZ | Texas Instruments |
| U3 | 1 | | Opto-Isolator, 1 Channel, SMT | DIP-4 | LTV-817S | Lite-On |

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