

PMP11287 REV A Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|------------|----------|--------|--------------------|----------------------------|---|---------------------------|
| PCB1 | 1 | | PMP11287 | Any | Printed Circuit Board | |
| C1 | 1 | 0.01uF | 06031C103MAT2A | AVX | CAP, CERM, 0.01 μF, 100 V, +/- 20%, X7R, 0603 | 0603 |
| C2 | 1 | 0.1uF | 06033C104JAT2A | AVX | CAP, CERM, 0.1 μF, 25 V, +/- 5%, X7R, 0603 | 0603 |
| C3 | 1 | 47uF | UVR1C470MDD1TD | Nichicon | CAP ALUM 47UF 20% 16V RADIAL | 6.3x9mm |
| C4 | 1 | 1uF | 12063C105KAT2A | AVX | CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206 | 1206 |
| C5 | 1 | 1uF | GCM31MR71E105KA37L | MuRata | CAP, CERM, 1 μF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206 | 1206 |
| C6 | 1 | 220pF | GRM1885C1H221JA01D | MuRata | CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| C7 | 1 | 560pF | 06035A561JAT2A | AVX | CAP, CERM, 560 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| C8 | 1 | 1000uF | UVK1C102MPD1TD | Nichicon | CAP ALUM 1000UF 20% 16V RADIAL | 10x16mm |
| C9 | 1 | 1uF | UVZ2G010MPD1TD | Nichicon | CAP ALUM 1UF 20% 400V RADIAL | 8x11 |
| C101 | 1 | 1uF | GRM216R61E105KA12D | MuRata | CAP, CERM, 1 μF, 25 V, +/- 10%, X5R, 0805 | 0805 |
| D1 | 1 | 100V | 1N4148W-7-F | Diodes Inc. | Diode, Ultrafast, 100V, 0.15A, SOD-123 | SOD-123 |
| D2, D5 | 2 | 600V | RS1J | Fairchild Semiconductor | DIODE GEN PURP 600V 1A SMA | SMA |
| D3 | 1 | 11V | MMSZ5241B-7-F | Diodes Inc. | DIODE ZENER 11V 500MW SOD123 | SOD-123 |
| D4 | 1 | 100V | MMDL914-TP | Micro Commercial Component | Diode, Switching, 100V, 0.2A, SOD-323 | SOD-323 |
| D6 | 1 | 600V | MDB6S | Fairchild Semiconductor | Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4 | MICRODIP_4 |
| F1 | 1 | | 37203150001 | Littelfuse | Fuse, 0.315 A, 250VAC/VDC, TH | TR5 fuse 8.5mm DIA |
| L1 | 1 | 220uH | SDR1006-221KL | Bourns | Inductor, Drum Core, Ferrite, 220 μH, 0.66 A, 0.73 ohm, SMD | SDR1006 |
| Q1 | 1 | | MJD18002D2T4G | ON Semiconductor | TRANS NPN 450V 2A DPAK | DPAK |
| Q2 | 1 | 500V | AOD3N50 | AOS | MOSFET, N-CH, 500 V, 2.8 A, DPAK | DPAK |
| R1 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100 k, 1%, 0.1 W, 0603 | 0603 |
| R2 | 1 | 9.53k | CRCW06039K53FKEA | Vishay-Dale | RES, 9.53 k, 1%, 0.1 W, 0603 | 0603 |
| R3, R4 | 2 | 75 | PNP300JR-73-75R | Yageo | RES 75 OHM 3W 5% AXIAL | Axial resistor |
| R5, R6 | 2 | 220k | CRCW2010220KJNEF | Vishay-Dale | RES, 220 k, 5%, 0.75 W, 2010 | 2010 |
| R7 | 1 | 10.0k | CRCW060310K0FKEA | Vishay-Dale | RES, 10.0k ohm, 1%, 0.1W, 0603 | 0603 |
| R8 | 1 | 511 | CRCW0603511RFKEA | Vishay-Dale | RES, 511 ohm, 1%, 0.1W, 0603 | 0603 |
| R9 | 1 | 2.49k | CRCW06032K49FKEA | Vishay-Dale | RES, 2.49k ohm, 1%, 0.1W, 0603 | 0603 |
| R10 | 1 | 10.0 | CRCW060310R0FKEA | Vishay-Dale | RES, 10.0, 1%, 0.1 W, 0603 | 0603 |
| R11 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100k ohm, 1%, 0.1W, 0603 | 0603 |
| R12 | 1 | 1.00 | CRCW12061R00FKEA | Vishay-Dale | RES, 1.00, 1%, 0.25 W, 1206 | 1206 |
| R13, R14 | 2 | 5.1k | CRCW12065K10JNEA | Vishay-Dale | RES, 5.1 k, 5%, 0.25 W, 1206 | 1206 |
| R15 | 1 | 33.0 | ERJ-8ENF33R0V | Panasonic | RES, 33.0, 1%, 0.25 W, 1206 | 1206 |
| TP1, TP3 | 2 | Red | 5000 | Keystone | Test Point, Miniature, Red, TH | Red Miniature Testpoint |
| TP2, TP4 | 2 | Black | 5001 | Keystone | Test Point, Miniature, Black, TH | Black Miniature Testpoint |
| U1 | 1 | | UCC2813D-0 | Texas Instruments | IC REG CTRLR BST FLYBK PWM 8SOIC | D0008A |

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