



PMP10487 REV D Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | Package |
|--------------------|----------|--------|----------------------|-------------------|--|---------------------------|
| C1, C6, C8, C9 | 4 | 0.1uF | C1608X7R1H104K | TDK | CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603 | 0603 |
| C2, C3 | 2 | 10uF | GMK316AB7106KL | Taiyo Yuden | CAP, CERM, 10 µF, 35 V, +/- 10%, X7R, 1206 | 1206 |
| C4 | 1 | | DNP | | CAP, AL, open, SMD | SMT Radial D |
| C5, C10 | 2 | 1uF | GRM21BR71C105KA01L | MuRata | CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0805 | 0805 |
| C7 | 1 | | DNP | | CAP, open, 0603 | 0603 |
| C100 | 1 | 1500pF | C1608C0G1H152J | TDK | CAP, CERM, 1500 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| D1 | 1 | 40V | B140-13-F | Diodes Inc. | Diode, Schottky, 40 V, 1 A, SMA | SMA |
| D2 | 1 | 24V | SMAJ24A-13-F | Diodes Inc. | Diode, TVS, Uni, 24 V, 400 W, SMA | SMA |
| D3 | 1 | White | XPGBWT-01-0000-00HE3 | Cree | LED, White, 5000K, SMD | 3.45x3.45mm |
| D4 | 1 | | DNP | | Diode, Schottky, SMA | SMA |
| J2 | 1 | | DNP | | Terminal Block, 3.5mm Pitch, 2x1, TH | 7.0x8.2x6.5mm |
| L1 | 1 | 22uH | MSS7341-223MLB | Coilcraft | Inductor, Shielded Drum Core, Ferrite, 22 µH, 1.41 A, 0.08 ohm, SMD | MSS7341 |
| R1 | 1 | 0.15 | WSL1206R1500FEA | Vishay-Dale | RES, 0.15, 1%, 0.25 W, 1206 | 1206 |
| R2 | 1 | 38.3k | CRCW060338K3FKEA | Vishay-Dale | RES, 38.3 k, 1%, 0.1 W, 0603 | 0603 |
| R3 | 1 | 49.9k | CRCW060349K9FKEA | Vishay-Dale | RES, 49.9 k, 1%, 0.1 W, 0603 | 0603 |
| R4 | 1 | | DNP | | RES, open, 0603 | 0603 |
| R5 | 1 | | DNP | | RES, open, 0603 | 0603 |
| R6 | 1 | 10.0k | CRCW060310K0FKEA | Vishay-Dale | RES, 10.0 k, 1%, 0.1 W, 0603 | 0603 |
| R100 | 1 | 57.6k | CRCW060357K6FKEA | Vishay-Dale | RES, 57.6 k, 1%, 0.1 W, 0603 | 0603 |
| TP1, TP2, TP4 | 3 | Red | 5000 | Keystone | Test Point, Miniature, Red, TH | Red Miniature Testpoint |
| TP6, TP10 | 2 | Black | 5001 | Keystone | Test Point, Miniature, Black, TH | Black Miniature Testpoint |
| TP3, TP5, TP7, TP8 | 4 | | DNP | | Test Point, Miniature, Red, TH | Red Miniature Testpoint |
| TP9, TP11 | 2 | | DNP | | Test Point, Miniature, Black, TH | Black Miniature Testpoint |
| U1 | 1 | | LM20323MH | Texas Instruments | 36V,3A PowerWise 500 kHz Synchronous Buck Regulator Adjustable Frequency Synchronous Buck Regulator, 20-pin TSSOP-EP | MXA20A |
| U2 | 1 | | INA193AIDBVR | Texas Instruments | CURRENT SHUNT MONITOR -16V to +80V Common-Mode Range, DBV0005A | DBV0005A |

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