# PMP31404 RevA BOM

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|---|---|---|---|---|---|---|
| C1, C2, C3 | 3 | 10uF | GCM21BR71A106KE22L | MuRata | CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805 | 0805 |
| C4 | 1 | 100pF | CGA2B2C0G1H101J050BA | TDK | CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402 | 0402 |
| C5 | 1 | 2.2uF | EMK107BB7225MA-T | Taiyo Yuden | CAP, CERM, 2.2 uF, 16 V,+/- 10%, X7R, 0603 | 0603 |
| C6, C7 | 2 | 2.2uF | GRM188R71A225KE15J | MuRata | CAP, CERM, 2.2 µF, 10 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603 | 0603 |
| C8, C17 | 2 | 100nF | GRM155R62A104ME14D | Murata | Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 0.10uF, X5R, 15%, 20%, 100V | 0402 |
| C9 | 1 | 1uF | CC0402MRX5R6BB105 | Yageo America | CAP, CERM, 1 µF, 10 V,+/- 20%, X5R, 0402 | 0402 |
| C10 | 1 | DNP | DNP | MuRata | DNP | 0402 |
| C11, C12, C13, C101, C102, C103, C104, C105, C106, C107 | 10 | 10uF | CL31B106KBHNNNE | Samsung | CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1206 | 1206 |
| C14 | 1 | 0.33uF | GRM155R61A334KE15D | MuRata | CAP, CERM, 0.33 uF, 10 V, +/- 10%, X5R, 0402 | 0402 |
| C15 | 1 | 68pF | GRM1555C1H680JA01D | MuRata | CAP, CERM, 68 pF, 50 V, +/- 5%, C0G/NP0, 0402 | 0402 |
| C16 | 1 | 0.068uF | C1005X7R1H683K050BB | TDK | CAP, CERM, 0.068 uF, 50 V, +/- 10%, X7R, 0402 | 0402 |
| C18 | 1 | 4.7uF | GRM155R60J475ME87D | MuRata | CAP, CERM, 4.7 uF, 6.3 V, +/- 20%, X5R, 0402 | 0402 |
| C19 | 1 | 0.68uF | | TDK | CAP, CERM, 0.68 uF, 10 V, +/- 10%, X7R, 0402 | 0402 |
| C20 | 1 | 47pF | GRM1555C1H470JA01D | MuRata | CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0402 | 0402 |
| D1 | 1 | 20V | MBR0520LT1G | ON Semiconductor | Diode, Schottky, 20 V, 0.5 A, SOD-123 | SOD-123 |
| L1 | 1 | 1.5uH | XGL6060-152MEC | Coilcraft | 1.5 µH Shielded Molded Inductor 20.2 A 3.8mOhm Max Nonstandard | SMT_IND_6MM51_6MM71 |
| R1 | 1 | DNP | WSLP12061L000FEA | Vishay-Dale | DNP | 1206 |
| R2 | 1 | 0.001 | WSLP12061L000FEA | Vishay-Dale | RES, 0.001, 1%, 1 W, 1206 | 1206 |
| R3, R4 | 2 | 100 | ERJ-2RKF1000X | Panasonic | RES, 100, 1%, 0.1 W, 0402 | 0402 |
| R5, R6, R7, R13, R16 | 5 | 0 | | Vishay-Dale | RES, | 0402 |
| R8 | 1 | 80.6k | CRCW040280K6FKED | Vishay-Dale | RES, 80.6 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402 | 0402 |
| R9 | 1 | 47.5k | CRCW040247K5FKED | Vishay-Dale | RES, 47.5 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402 | 0402 |
| R10 | 1 | 12.1k | CRCW040212K1FKED | Vishay-Dale | RES, 12.1 k, 1%, 0.063 W, 0402 | 0402 |
| R11 | 1 | DNP | | Vishay-Dale | DNP | 0402 |
| R12 | 1 | 88.7k | CRCW040288K7FKED | Vishay-Dale | RES, 88.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402 | 0402 |
| R14 | 1 | 10.5k | CRCW040210K5FKED | Vishay-Dale | RES, 10.5 k, 1%, 0.063 W, 0402 | 0402 |
| R15 | 1 | 90.9k | CRCW040290K9FKED | Vishay-Dale | RES, 90.9 k, 1%, 0.063 W, 0402 | 0402 |
| R17 | 1 | 10.0k | CRCW040210K0FKED | Vishay-Dale | RES, 10.0 k, 1%, 0.063 W, 0402 | 0402 |
| R18 | 1 | 52.3k | CRCW040252K3FKED | Vishay-Dale | RES, 52.3 k, 1%, 0.063 W, 0402 | 0402 |
| U1 | 1 | | LM2665M6 | Texas Instruments | Switched Capacitor Voltage Converter, 6-pin SOT-23 | DBV0006A |
| U2 | 1 | | XLMG5126VBTT | Texas Instruments | 2.5MHz 42V wide-VIN synchronous GaN boost converter with output voltage tracking 22-VQFN-FCRLF -40 to 125 | VQFN-FCRLF21 |

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