

Filename: PMP30322RevA - BoM.xls
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PMP30322 REV A Bill of Materials

| Item # | Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--------|------------------------------|----------|---------|--------------------|----------------------|------------------------------------------------------------------|------------------|
| 1 | C1, C9 | 2 | 220pF | GRM188R71H221KA01D | MuRata | CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, 0603 | 0603 |
| 2 | C2 | 1 | 0.22uF | GRM188R71H224KAC4D | MuRata | CAP, CERM, 0.22 μF, 50 V,+/- 10%, X7R, 0603 | 0603 |
| 3 | C3 | 1 | 33pF | GRM1885C1H330JA01D | MuRata | CAP, CERM, 33 pF, 50 V,+/- 5%, COG/NP0, 0603 | 0603 |
| 4 | C4 | 1 | 0.047uF | GRM188R71H473KA61D | MuRata | CAP, CERM, 0.047 μF, 50 V,+/- 10%, X7R, 0603 | 0603 |
| 5 | C5 | 1 | 0.1uF | GCM188R71H104KA57D | MuRata | CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0603 | 0603 |
| 6 | C7 | 1 | 1uF | GRM188R71C105KA12D | MuRata | CAP, CERM, 1 μF, 16 V, +/- 10%, X7R, 0603 | 0603 |
| 7 | C8, C10, C11, C12, C13 | 5 | 4.7uF | GRM32ER71H475KA88L | MuRata | CAP, CERM, 4.7 μF, 50 V, +/- 10%, X7R, 1210 | 1210 |
| 8 | C27 | 1 | 100uF | EEE-FK1V101P | Panasonic | CAP, AL, 100 μF, 35 V, +/- 20%, 0.16 ohm, AEC-Q200 Grade 2, SMD | SMT Radial F |
| 9 | D1 | 1 | 60V | SS3P6 | Vishay-Semiconductor | Diode, Schottky, 60 V, 3 A, TO-277A | TO-277A |
| 10 | J1, J3 | 2 | | ED555/2DS | On-Shore Technology | Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH | 7.0x8.2x6.5mm |
| 11 | L1 | 1 | 22uH | MSS1278T-223MLB | Coilcraft | Inductor, Shielded Drum Core, Ferrite, 22 μH, 4 A, 0.04 ohm, SMD | MSS1278T |
| 12 | Q3 | 1 | 60V | Si7370DP | Vishay-Siliconix | MOSFET, N-CH, 60 V, 14.5 A, PowerPAK SO-8 | PowerPAK SO-8 |
| 13 | R1 | 1 | 255k | CRCW0603255KFKEA | Vishay-Dale | RES, 255 k, 1%, 0.1 W, 0603 | 0603 |
| 14 | R2 | 1 | 1.69k | CRCW06031K69FKEA | Vishay-Dale | RES, 1.69 k, 1%, 0.1 W, 0603 | 0603 |
| 15 | R3 | 1 | 3.01k | CRCW06033K01FKEA | Vishay-Dale | RES, 3.01 k, 1%, 0.1 W, 0603 | 0603 |
| 16 | R5 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100 k, 1%, 0.1 W, 0603 | 0603 |
| 17 | R6 | 1 | 10.0 | CRCW060310R0FKEA | Vishay-Dale | RES, 10.0, 1%, 0.1 W, 0603 | 0603 |
| 18 | R7, R15 | 2 | 0 | CRCW06030000Z0EA | Vishay-Dale | RES, 0, 5%, 0.1 W, 0603 | 0603 |
| 19 | R9 | 1 | 49.9 | CRCW060349R9FKEA | Vishay-Dale | RES, 49.9, 1%, 0.1 W, 0603 | 0603 |
| 20 | R10 | 1 | 1.00k | CRCW06031K00FKEA | Vishay-Dale | RES, 1.00 k, 1%, 0.1 W, 0603 | 0603 |
| 21 | R11 | 1 | 0.015 | WSLT2512R0150FEA | Vishay-Dale | RES, 0.015, 1%, 1 W, 2512 | 2512 |
| 22 | U1 | 1 | | TPS40210QDGRQ1 | Texas Instruments | 4.5-V TO 52-V INPUT CURRENT MODE BOOST CONTROLLER, DGQ0010D | DGQ0010D |

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