

Variant: None
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PMP30834 REV A Bill of Materials

| Item # | Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--------|------------------------------------|----------|----------------|----------------------|-----------------------------|--|-------------------------------|
| 1 | C1, C10 | 2 | 22pF | GRM1885C2A220JA01D | MuRata | CAP, CERM, 22 pF, 100 V, +/- 5%, COG/NP0, 0603 | 603 |
| 2 | C2, C8 | 2 | 0.1uF | C0603C104K5RACAUTO | Kemet | CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603 | 603 |
| 3 | C3, C5 | 2 | 10uF | CGA6P3X7S1H106K250AB | TDK | CAP, CERM, 10 uF, 50 V, +/- 10%, X7S, AEC-Q200 Grade 1, 1210 | 1210 |
| 4 | C4 | 1 | 22uF | EEH-ZC1H220P | Panasonic | CAP, Polymer Hybrid, 22 uF, 50 V, +/- 20%, 0.08 ohm, AEC-Q200 Grade 1, D6.3xL5.8mm SMD | D6.3xL5.8mm |
| 5 | C6, C7 | 2 | 100uF | C1210C107M9PACTU | Kemet | CAP, CERM, 100 uF, 6.3 V, +/- 20%, X5R, 1210 | 1210 |
| 6 | C9 | 1 | 100uF | T598D107M016ATE050 | Kemet | CAP, Tantalum Polymer, 100 uF, 16 V, +/- 20%, 0.05 ohm, AEC-Q200 Grade 1, 7343-31 SMD | 7343-31 |
| 7 | C11 | 1 | 1000pF | 202R18W102KV4E | Johanson Technology | CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206_190 | 1206_190 |
| 8 | C12 | 1 | 0.047uF | GCM188R71E473KA37D | MuRata | CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603 | 603 |
| 9 | D1 | 1 | PDS1040L-13 | PDS1040L-13 | Diodes Inc. | Diode, Schottky, 40 V, 10 A, PowerDI5 | PowerDI5 |
| 10 | D2 | 1 | 30V | 3SMAJ5936B-TP | Micro Commercial Components | Diode, Zener, 30 V, 3 W, SMA | SMA |
| 11 | D3 | 1 | 6.2V | BZT52C6V2T-7 | Diodes Inc. | Diode, Zener, 6.2 V, 300 mW, SOD-523 | SOD-523 |
| 12 | D4 | 1 | PMEG60T30ELRX | PMEG60T30ELRX | Nexperia | Diode, Schottky, 60 V, 3 A, AEC-Q101, SOD-123W | SOD-123W |
| 13 | FID1, FID2, FID3, FID4, FID5, FID6 | 6 | | N/A | N/A | Fiducial mark. There is nothing to buy or mount. | N/A |
| 14 | H1, H2, H3, H4 | 4 | | PMSSS 440 0025 PH | B&F Fastener Supply | MACHINE SCREW PAN PHILLIPS 4-40 | Machine Screw, 4-40, 1/4 inch |
| 15 | H5, H6, H7, H8 | 4 | | 1902C | Keystone | Standoff, Hex, 0.5"L #4-40 Nylon | Standoff |
| 16 | J1, J2, J3, J4 | 4 | | 1573-2 | Keystone | Terminal, Turret, TH, Double | Keystone1573-2 |
| 17 | L1 | 1 | 4.7uH | XFL4030-472MEB | Coilcraft | Inductor, Shielded, Composite, 4.7 uH, 2.1 A, 0.03 ohm, SMD | 4x4x3mm |
| 18 | L2 | 1 | 22 ohm | 742792021 | Würth Elektronik | Ferrite Bead, 22 ohm @ 100 MHz, 6 A, 0805 | 805 |
| 19 | R1, R2 | 2 | 100 | CRCW0603100RFKEA | Vishay-Dale | RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603 | 603 |
| 20 | R3 | 1 | 261k | CRCW0603261KFKEA | Vishay-Dale | RES, 261 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603 | 603 |
| 21 | R5 | 1 | 53.6k | RC0603FR-0753K6L | Yageo | RES, 53.6 k, 1%, 0.1 W, 0603 | 603 |
| 22 | R7 | 1 | 12.1k | CRCW060312K1FKEA | Vishay-Dale | RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603 | 603 |
| 23 | T1 | 1 | E-28888 | E-28888 | Custom | Transformer, Flyback, SMT | ER-11.5-005 (15x14.5x5.5mm) |
| 24 | TP1, TP2, TP3, TP4 | 4 | | 5015 | Keystone | Test Point, Miniature, SMT | Testpoint_Keystone_Miniature |
| 25 | U1 | 1 | LM25184QNGURQ1 | LM25184QNGURQ1 | Texas Instruments | 42-VIN PSR Flyback DC/DC Converter with 65-V, 4-A Integrated MOSFET, NGU0008C (WSON-8) | NGU0008C |

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