

Variant: 001
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PMP22822 REV A Bill of Materials

| Item # | Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--------|-----------------------------------|----------|--------|---------------------|---------------------------|--|--|
| 1 | C2, C4, C6 | 3 | 1uF | C1608X7R1V105K080AC | TDK | CAP, CERM, 1 uF, 35 V, +/- 10%, X7R, 0603 | 603 |
| 2 | C7 | 1 | 100pF | CL10B101KB8NNNC | Samsung Electro-Mechanics | CAP, CERM, 100 pF, 50 V,+/- 10%, X7R, 0603 | 603 |
| 3 | C8 | 1 | 2.2uF | C2012X7R1V225K085AC | TDK | CAP, CERM, 2.2 uF, 35 V, +/- 10%, X7R, 0805 | 805 |
| 4 | C9 | 1 | 0.1uF | C0603X104K3RACTU | Kemet | CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603 | 603 |
| 5 | C10 | 1 | 4.7uF | C3216X7R1H475K160AE | TDK | CAP, CERM, 4.7 uF, 50 V,+/- 10%, X7R, 1206 | 1206 |
| 6 | C11 | 1 | 0.22uF | GRM188R71H224KAC4D | MuRata | CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, 0603 | 603 |
| 7 | C12, C15 | 2 | 47uF | C3216X5R1E476M160AC | TDK | CAP, CERM, 47 uF, 25 V, +/- 20%, X5R, 1206_190 | 1206_190 |
| 8 | C14 | 1 | 1uF | GRM21BR71C105KA01L | MuRata | CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0805 | 805 |
| 9 | D1, D2, D3 | 3 | 45V | RB520SM-40FH | Rohm | Diode, Schottky, 45 V, 0.2 A, AEC-Q101, SOD-523 | SOD-523 |
| 10 | D4 | 1 | 50V | B150-13-F | Diodes Inc. | Diode, Schottky, 50 V, 1 A, SMA | SMA |
| 11 | J1, J2, J3, J4, J5 | 5 | | ED555/2DS | On-Shore Technology | Terminal Block, 3.5mm Pitch, 2x1, TH | 7.0x8.2x6.5mm |
| 12 | R2, R4, R6 | 3 | 3.40k | M55342K12B3E40T | TT Electronics/IRC | RES, 3.40 k, 1%, 0.1 W, 0603 | 603 |
| 13 | R7 | 1 | 100 | RC0603FR-07100RL | Yageo | RES, 100, 1%, 0.1 W, 0603 | 603 |
| 14 | R8 | 1 | 8.66k | ERJ-6ENF8661V | Panasonic | RES, 8.66 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805 | 805 |
| 15 | R9 | 1 | 0 | RMCF0603ZTOR00 | Stackpole Electronics Inc | RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603 | 603 |
| 16 | R11 | 1 | 100k | RC0603FR-07100KL | Yageo | RES, 100 k, 1%, 0.1 W, 0603 | 603 |
| 17 | R12 | 1 | 5.90k | RC0603FR-075K9L | Yageo | RES, 5.90 k, 1%, 0.1 W, 0603 | 603 |
| 18 | T1 | 1 | | 750319519 | Würth Electronics | Transformer, 0.15Ohm PRI, 0.35Ohm SEC, 42.5uH, 1:1:1:1:1, 4000VAC, 17.46x16.51x12.70mm SMT | SMT_XFRMR_17MM 46_16MM51 |
| 19 | TP1, TP3, TP5, TP7, TP9, TP10 | 6 | | 5000 | Keystone | Test Point, Miniature, Red, TH | Red Miniature Testpoint |
| 20 | TP2, TP4, TP6, TP8, TP11, TP12 | 6 | | 5001 | Keystone | Test Point, Miniature, Black, TH | Black Miniature Testpoint |
| 21 | U1 | 1 | | LMR36520ADDA | Texas Instruments | SIMPLE SWITCHER® 4.2-V to 65-V, 2-A Synchronous Step-down Converter, DDA0008J (HSOIC-8) | DDA0008J |
| 22 | C1, C3, C5, C13 | 0 | 100pF | CL10B101KB8NNNC | Samsung Electro-Mechanics | CAP, CERM, 100 pF, 50 V,+/- 10%, X7R, 0603 | 603 |
| 23 | H1, H2, H3, H4 | 0 | | 4824 | Keystone | | HEX STANDOFF 6- 32 NYLON 1-1/2 inch |
| 24 | R1, R3, R5 | 0 | 200 | RC0603FR-07200RL | Yageo | RES, 200, 1%, 0.1 W, 0603 | 603 |

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