

PMP41017 PrimaryBoard REV E1 Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--|----------|---------|----------------------|-----------------------|---|------------------|
| Brd CTS_pri | 1 | | | | CTS daughter board | |
| C51, C52, C53 | 3 | 3300uF | 8.6002E+11 | Würth Elektronik | CAP, AL, 3300 uF, 16 V, +/- 20%, 0.023 ohm, TH | D13xL25mm |
| C69, C70, C71, C72, C142, C151, C168, C169 | 8 | 0.1uF | CGA6L1X7T2J104K160AC | TDK | CAP, CERM, 0.1 uF, 630 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210 | 1210 |
| C73, C159, C171 | 3 | 0.1uF | GCM188R71E104KA57D | MuRata | CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603 | 603 |
| C138, C139, C143, C144, C147, C148, C152, C153 | 8 | 0.033uF | C3225C0G2J333J250AA | TDK | CAP, CERM, 0.033 uF, 630 V, +/- 5%, C0G/NP0, 1210 | 1210 |
| C140, C145, C149, C154 | 4 | 0.022uF | CGA6N4NP02J223J230AA | TDK | CAP, CERM, 0.022 uF, 630 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, | |
| C141, C146, C150, C155 | 4 | 0.01uF | CGA6J4C0G2J103J125AA | TDK | CAP, CERM, 0.01 uF, 630 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 1210 | 1210 |
| C156, C157 | 2 | 0.1uF | C1608X7R1E104K080AA | TDK | CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603 | 603 |
| L3 | 1 | | YXS50494T | YAXIN ELECTRONIC TECH | Customized Resonant Choke | PQ2010 |
| R51, R53, R124 | 3 | 12.0k | RC0603FR-0712KL | Yageo | RES, 12.0 k, 1%, 0.1 W, 0603 | 603 |
| R103 | 1 | 1.18Meg | | | RES, 1.18Meg, 1%, 0.1 W, 0402 | 402 |
| R104 | 1 | 1.96Meg | | | RES, 1.96Meg, 1%, 0.1 W, 0402 | 402 |
| R120, R122, R123 | 3 | 1.00Meg | CRCW12061M00FKEA | Vishay-Dale | RES, 1.00 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206 | 1206 |
| R601 | 1 | 0 | | | RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402 | AXIAL-0.3 |
| TRAN3, TRAN4 | 2 | | | YAXIN ELECTRONIC TECH | PQ32 TRANSFORMER | PQ3220 |
| U18 | 1 | | TPS7A2401DBVR | Texas Instruments | Linear Voltage Regulator IC 1 Output 200mA SOT-23-5 | SOT-23-5 |
| U21 | 1 | | AMC1311BQDWVRQ1 | Texas Instruments | Automotive 2-V input, reinforced isolated amplifier with high CMTI for voltage sensing 8-SOIC -40 to 125 | SOIC8 |
| U22 | 1 | | TS321IDBVR | Texas Instruments | Low-Power Single Operational Amplifier, 3 to 30 V, -40 to 125 degC, 5-pin SOT23 (DBV5), Green (RoHS & no Sb/Br) | DBV0005A |