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PMP40270 REV A Bill of Materials

| Item # | Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--------|------------------|----------|--------|--------------------|-------------------|--|--|
| 1 | C1, C2, C14, C15 | 4 | 10uF | GRM155R60J106ME15D | MuRata | CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 0402 | 0402 |
| 2 | C3, C4, C6 | 3 | 10uF | GRM32ER61H106KA12L | MuRata | CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1210 | 1210 |
| 3 | C5, C7, C18 | 3 | 0.1uF | GRM155R61H104ME14D | MuRata | CAP, CERM, 0.1 µF, 50 V, +/- 20%, X5R, 0402 | 0402 |
| 4 | C8 | 1 | 0.47uF | GRM155R61E474KE01D | MuRata | CAP, CERM, 0.47 µF, 25 V, +/- 10%, X5R, 0402 | 0402 |
| 5 | C9 | 1 | 0.1uF | GRM155R60J104KA01D | MuRata | CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X5R, 0402 | 0402 |
| 6 | C10 | 1 | 47uF | GRM32ER61A476KE20L | MuRata | CAP, CERM, 47 µF, 10 V, +/- 10%, X5R, 1210 | 1210 |
| 7 | C11, C12, C19 | 3 | 47uF | GRM31CR60J476ME19L | MuRata | CAP, CERM, 47 µF, 6.3 V, +/- 20%, X5R, 1206 | 1206 |
| 8 | C13 | 1 | 4.7uF | GRM155R60J475ME47D | MuRata | CAP, CERM, 4.7 µF, 6.3 V, +/- 20%, X5R, 0402 | 0402 |
| 9 | J1, J2 | 2 | | 632 723 300 011 | Würth Elektronik | Connector, Receptacle, USB Type C, R/A | Connector, Receptacle, USB Type C, R/A, THT/SMT |
| 10 | J3, J5, J6 | 3 | | 5-146261-1 | TE Connectivity | Header, 100mil, 2x1, Gold, TH | Header, 2x1, 100mil |
| 11 | L1 | 1 | 10uH | XAL6060-103MEB | Coilcraft | Inductor, Shielded, Composite, 10 µH, 7.6 A, 0.03 ohm, SMD | IND 6.4x6.1x6.6 |
| 12 | R1, R3 | 2 | 100k | CRCW0402100KFKED | Vishay-Dale | RES, 100 k, 1%, 0.063 W, 0402 | 0402 |
| 13 | R2, R6 | 2 | 200 | CRCW0402200RFKED | Vishay-Dale | RES, 200, 1%, 0.063 W, 0402 | 0402 |
| 14 | R4 | 1 | 825k | CRCW0402825KFKED | Vishay-Dale | RES, 825 k, 1%, 0.063 W, 0402 | 0402 |
| 15 | R5 | 1 | 200k | CRCW0402200KFKED | Vishay-Dale | RES, 200 k, 1%, 0.063 W, 0402 | 0402 |
| 16 | R8 | 1 | 3.3 | CRCW04023R30JNED | Vishay-Dale | RES, 3.3, 5%, 0.063 W, 0402 | 0402 |
| 17 | U1, U3 | 2 | | TPS25821DSSR | Texas Instruments | USB Type-C 1.5 A DFP Controller and Power Switch, DSS0012B (WSON-12) | DSS0012B |
| 18 | U2 | 1 | | LMS3635AQRNLRQ1 | Texas Instruments | 3.5A Synchronous Buck Regulator for Automotive Applications, RNL0022A (VQFN-HR-22) | RNL0022A |
| 19 | J7, J9, J10 | 0 | | 5-146261-1 | TE Connectivity | Header, 100mil, 2x1, Gold, TH | Header, 2x1, 100mil |

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