

PMP30159 REV B Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|-----------------------------|----------|---------|--------------------|---------------------------|---|----------------------------|
| C1 | 1 | 330pF | GRM1885C1H331JA01D | MuRata | CAP, CERM, 330 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| C2 | 1 | 0.22uF | GRM188R71E224KA88D | MuRata | CAP, CERM, 0.22uF, 25V, +/-10%, X7R, 0603 | 0603 |
| C3 | 1 | 100pF | GRM1885C1H101JA01D | MuRata | CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603 | 0603 |
| C4 | 1 | 0.047uF | GRM188R71E473KA01D | MuRata | CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, 0603 | 0603 |
| C5, C7 | 2 | 1uF | GRM188R71E105KA12D | MuRata | CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603 | 0603 |
| C8, C10, C11, C12, C15, C28 | 6 | 22uF | GRM32ER71E226KE15L | MuRata | CAP, CERM, 22uF, 25V, +/-10%, X7R, 1210 | 1210 |
| C9 | 1 | 100pF | 06033C101KAT2A | AVX | CAP, CERM, 100pF, 25V, +/-10%, X7R, 0603 | 0603 |
| C13 | 1 | 330uF | 10SVP330M | Panasonic | CAP, Aluminum Polymer, 330 uF, 10 V, +/- 20%, 0.017 ohm | 8x10 SMD |
| C14 | 1 | 330uF | 10SEP330M | Panasonic | CAP, Aluminum Polymer, 330 uF, 10 V, +/- 20%, 0.017 ohm | D8xL12mm, THT |
| C27 | 1 | 330uF | EEHZA1E331P | Panasonic | CAP, Polymer Hybrid, 330 uF, 25 V, +/- 20%, 20 ohm | 10x10, SMD |
| C101 | 1 | 820pF | GRM188R71H821KA01D | MuRata | CAP, CERM, 820 pF, 50 V, +/- 10%, X7R, 0603 | 0603 |
| D1 | 1 | 40V | MBRS540T3G | ON Semiconductor | Diode, Schottky, 40 V, 5 A, SMC | SMC |
| D3 | 1 | 3.6V | CMDZ3L6 TR | Central Semiconductor | Diode, Zener, 3.6 V, 250 mW, SOD-323 | SOD-323 |
| D4 | 1 | 6.8V | MMSZ5235BS-7-F | Diodes Inc. | Diode, Zener, 6.8V, 200mW, SOD-323 | SOD-323 |
| D101, D102 | 2 | 30V | BAT54T1G | ON Semiconductor | Diode, Schottky, 30 V, 0.2 A, SOD-123 | SOD-123 |
| J1, J2 | 2 | | ED555/2DS | On-Shore Technology | Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH | 7.0x8.2x6.5mm |
| L2 | 1 | 10uH | MSD1583-103MEB | Coilcraft | Coupled inductor, 10uH, 3.68A, 0.016 ohm, +/-20% | IND_14.8x8.6x14.8mm, SMD |
| Q2 | 1 | 0.3V | MMBT2222A | Fairchild Semiconductor | Transistor, NPN, 40V, 0.15A, SOT-23 | SOT-23 |
| Q3 | 1 | 30V | CSD17307Q5A | Texas Instruments | MOSFET, N-CH, 30 V, 73 A | DQJ0008A |
| R1 | 1 | 182k | CRCW0603182KFKEA | Vishay-Dale | RES, 182 k, 1%, 0.1 W, 0603 | 0603 |
| R2 | 1 | 30.1k | CRCW060330K1FKEA | Vishay-Dale | RES, 30.1 k, 1%, 0.1 W, 0603 | 0603 |
| R3 | 1 | 2.00k | CRCW06032K00FKEA | Vishay-Dale | RES, 2.00k ohm, 1%, 0.1W, 0603 | 0603 |
| R5 | 1 | 12.4k | CRCW060312K4FKEA | Vishay-Dale | RES, 12.4 k, 1%, 0.1 W, 0603 | 0603 |
| R7 | 1 | 2.21 | CRCW06032R21FKEA | Vishay-Dale | RES, 2.21, 1%, 0.1 W, 0603 | 0603 |
| R8 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100k ohm, 1%, 0.1W, 0603 | 0603 |
| R9 | 1 | 49.9 | CRCW060349R9FKEA | Vishay-Dale | RES, 49.9 ohm, 1%, 0.1W, 0603 | 0603 |
| R10 | 1 | 1.00k | CRCW06031K00FKEA | Vishay-Dale | RES, 1.00k ohm, 1%, 0.1W, 0603 | 0603 |
| R11 | 1 | 0.015 | CSRN2010FK15L0 | Stackpole Electronics Inc | RES, 0.015, 1%, 1 W, 2010 | 2010 |
| R16, R18 | 2 | 20.0k | CRCW060320K0FKEA | Vishay-Dale | RES, 20.0k ohm, 1%, 0.1W, 0603 | 0603 |
| R101 | 1 | 2.2 | CRCW12062R20JNEA | Vishay-Dale | RES, 2.2, 5%, 0.25 W, 1206 | 1206 |
| TP1, TP8, TP11 | 3 | Black | 5001 | Keystone | Test Point, Miniature, Black, TH | Black Miniature Testpoint |
| TP2, TP10 | 2 | Red | 5000 | Keystone | Test Point, Miniature, Red, TH | Red Miniature Testpoint |
| TP4 | 1 | Orange | 5003 | Keystone | Test Point, Miniature, Orange, TH | Orange Miniature Testpoint |
| TP5, TP7 | 2 | White | 5002 | Keystone | Test Point, Miniature, White, TH | White Miniature Testpoint |
| U1 | 1 | | TPS40210DGQ | Texas Instruments | 4.5-V TO 52-V Boost Ctrl | DGQ0010D |

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