

| PMP10491_RevB_BOM.xlsx | | | | | | | |
|-----------------------------------------|----------|---------|-------------------------|---------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--|
| 11/17/2015 12:46:02 PM | | | | | | | |
| PMP10491 REV B Bill of Materials | | | | | | | |
| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference | |
| C14 | 1 | 100pF | GRM1555C1H101JA01D | MuRata | CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402 | 402 | |
| C16 | 1 | 470pF | C1005C0G1H471J | TDK | CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0402 | 402 | |
| C6 | 1 | 1000pF | GRM188R71H102KA01D | MuRata | CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603 | 603 | |
| C15 | 1 | 0.01uF | GRM188R71C103KA01D | MuRata | CAP, CERM, 0.01 µF, 16 V, +/- 10%, X7R, 0603 | 603 | |
| C18 | 1 | 0.068uF | GRM188R71C683KA01D | MuRata | CAP, CERM, 0.068 µF, 16 V, +/- 10%, X7R, 0603 | 603 | |
| C4, C11 | 2 | 0.1uF | GCM188R71H104KA57D | MuRata | CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603 | 603 | |
| C17 | 1 | 0.15uF | GRM188R71C154KA01D | MuRata | CAP, CERM, 0.15 µF, 16 V, +/- 10%, X7R, 0603 | 603 | |
| C12, C19 | 2 | 1uF | GRM188R61C105KA93D | MuRata | CAP, CERM, 1 µF, 16 V, +/- 10%, X5R, 0603 | 603 | |
| C10, C20 | 2 | 0.47uF | C2012X7R1E474K | TDK | CAP, CERM, 0.47 µF, 25 V, +/- 10%, X7R, 0805 | 805 | |
| C13 | 1 | 2200pF | GRM31BR73A222KW01L | MuRata | CAP, CERM, 2200 pF, 1000 V, +/- 10%, X7R, 1206 | 1206 | |
| C5 | 1 | 10uF | GRM31CR71C106KAC7L | MuRata | CAP, CERM, 10 µF, 16 V, +/- 10%, X7R, 1206 | 1206 | |
| C1, C2, C3 | 3 | 10uF | GRM32ER71H106KA12L | MuRata | CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210 | 1210 | |
| C7, C8, C9 | 3 | 47uF | GRM32ER71A476KE15L | MuRata | CAP, CERM, 47 µF, 10 V, +/- 10%, X7R, 1210 | 1210 | |
| D1 | 1 | | RF081M2STR | Rohm | Diode, Fast Rectifier, 200 V, 0.8 A, SOD-123 | SOD-123 | |
| D2, D3, D4, D5, D6, D7, D8 | 7 | | RF05VA1STR | Rohm | Diode, Fast Rectifier, 100 V, 0.5 A, TUMD2 | TUMD2 | |
| Q1 | 1 | | CSD18504Q5A | Texas Instruments | MOSFET, N-CH, 40 V, 15 A, SON 5x6mm | SON 5x6mm | |
| Q2 | 1 | | CSD19534Q5A | Texas Instruments | MOSFET, N-CH, 100 V, 10 A, SON 5x6mm | SON 5x6mm | |
| Q3 | 1 | | MMBT3906-7-F | Diodes Inc. | Transistor, PNP, 40 V, 0.2 A, SOT-23 | SOT-23 | |
| R12 | 1 | 0 | ERJ-2GE0R00X | Panasonic | RES, 0, 5%, 0.063 W, 0402 | 402 | |
| R6 | 1 | 4.7 | CRCW04024R70JNED | Vishay-Dale | RES, 4.7, 5%, 0.063 W, 0402 | 402 | |
| R3 | 1 | 10 | CRCW040210R0JNED | Vishay-Dale | RES, 10, 5%, 0.063 W, 0402 | 402 | |
| R4 | 1 | 49.9 | CRCW040249R9FKED | Vishay-Dale | RES, 49.9, 1%, 0.063 W, 0402 | 402 | |
| R11 | 1 | 100 | CRCW0402100RFKED | Vishay-Dale | RES, 100, 1%, 0.063 W, 0402 | 402 | |
| R15 | 1 | 267 | CRCW0402267RFKED | Vishay-Dale | RES, 267, 1%, 0.063 W, 0402 | 402 | |
| R16, R19 | 2 | 1.00k | CRCW04021K00FKED | Vishay-Dale | RES, 1.00 k, 1%, 0.063 W, 0402 | 402 | |
| R10 | 1 | 2.00k | CRCW04022K00FKED | Vishay-Dale | RES, 2.00 k, 1%, 0.063 W, 0402 | 402 | |
| R20 | 1 | 3.24k | CRCW04023K24FKED | Vishay-Dale | RES, 3.24 k, 1%, 0.063 W, 0402 | 402 | |
| R7, R13, R17, R18 | 4 | 10.0k | CRCW040210K0FKED | Vishay-Dale | RES, 10.0 k, 1%, 0.063 W, 0402 | 402 | |
| R14 | 1 | 34.0k | CRCW040234K0FKED | Vishay-Dale | RES, 34.0 k, 1%, 0.063 W, 0402 | 402 | |
| R8 | 1 | 56.2k | CRCW040256K2FKED | Vishay-Dale | RES, 56.2 k, 1%, 0.063 W, 0402 | 402 | |
| R21 | 1 | 750k | CRCW0402750KFKED | Vishay-Dale | RES, 750 k, 1%, 0.063 W, 0402 | 402 | |
| R1 | 1 | 24k | CRCW060324K0JNEA | Vishay-Dale | RES, 24 k, 5%, 0.1 W, 0603 | 603 | |
| R2 | 1 | 20 | CRCW080520R0JNEA | Vishay-Dale | RES, 20, 5%, 0.125 W, 0805 | 805 | |
| R5 | 1 | 5.6 | CRCW12065R60JNEA | Vishay-Dale | RES, 5.6, 5%, 0.25 W, 1206 | 1206 | |
| R9 | 1 | 0.04 | CSRN2010FK40L0 | Stackpole Electronics Inc | RES, 0.04, 1%, 1 W, 2010 | 2010 | |
| T1 | 1 | | C91181 | Sumida | Transformer, 7 uH, SMT | SMD, 12-Leads, Body 17x17.5mm, Pitch 2.5mm | |
| T2 | 1 | | P05NZ-198 | Sumida | Transformer, 1.7 mH, SMT | SMD, 7x7.9mm | |
| TP1, TP2, TP3, TP4 | 4 | | 8600-0-05-80-00-00-03-0 | Mill-Max | PCB Pin, solderless Pressfit, Tin over Nickel | PCB Pin | |
| U2 | 1 | | TLP291(GRL-TP,SE | Toshiba | General Purpose Photocoupler with Transistor Output, 100%-200% CTR, 3750 VRMS (Min), SOP-4 | SOP, 4-Leads, Body 2.65x4.60mm, Pitch 1.27mm | |
| U1 | 1 | | LM5022MM | Texas Instruments | 60V Low Side Controller for Boost and SEPIC, 10-pin MSOP | MUB10A | |
| U3 | 1 | | TLV431AIDBV | Texas Instruments | LOW-VOLTAGE ADJUSTABLE PRECISION SHUNT REGULATOR, DBV0005A | DBV0005A | |



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