

PMP11372 REV C Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|---------------|----------|---------|--------------------|---------------------------|---|------------------------------|
| !PCB | 1 | | PMP11372 | Any | Printed Circuit Board | |
| C1 | 1 | 47uF | UCS2E470MHD1TO | Nichicon | CAP, AL, 47 µF, 250 V, +/- 20%, ohm, TH | D12.5xL20mm |
| C2, C5 | 2 | 180uF | APSG250ELL181MH08S | Chem-Con | CAP, Aluminum Polymer, 180 µF, 25 V, +/- 20%, 0.018 ohm, TH | D8xL8mm |
| C3 | 1 | 0.1uF | B32520C3104K289 | TDK | CAP, Film, 0.1 µF, 250 V, +/- 10%, TH | 10x4x8.5mm |
| C4 | 1 | 0.1uF | GRM31CR72E104KW03L | MuRata | CAP, CERM, 0.1 µF, 250 V, +/- 10%, X7R, 1206 | 1206 |
| C6 | 1 | 22uF | EEU-EE2E220 | Panasonic | CAP, AL, 22 µF, 250 V, +/- 20%, TH | Cap, 10x20mm |
| C10, C12 | 2 | 1uF | GRM188R71E105KA12D | MuRata | CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603 | 0603 |
| C13 | 1 | 2200pF | DE2E3KY222MA2BM01 | MuRata | CAP, CERM, 2200pF, 250V, +/-20%, KY, Radial D8x5mm | Radial D8x5mm |
| C15 | 1 | 10uF | GRM21BR6YA106KE43L | MuRata | CAP, CERM, 10 µF, 35 V, +/- 10%, X5R, 0805 | 0805 |
| C16 | 1 | 470pF | GRM155R72A471KA01D | MuRata | CAP, CERM, 470 pF, 100 V, +/- 10%, X7R, 0402 | 0402 |
| C17 | 1 | 0.022uF | GRM155R71H223KA12D | MuRata | CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0402 | 0402 |
| D1 | 1 | 600V | Z4DGP406L-HF | Comchip Technology | Diode, P-N-Bridge, 600 V, 4 A, Z4-D | Z4-D |
| D2 | 1 | 600V | MURS360T3G | ON Semiconductor | Diode, Ultrafast, 600 V, 3 A, SMC | SMC |
| D5 | 1 | 75V | 1N4148X-TP | Micro Commercial Componen | Diode, Switching, 75 V, 0.3 A, SOD-523 | SOD-523 |
| D101 | 1 | 600V | MURA160T3G | ON Semiconductor | Diode, Ultrafast, 600 V, 1 A, SMA | SMA |
| F1 | 1 | | 0452003.MRL | Littelfuse | Fuse, 3 A, 125VAC/VDC, SMD | SloBlo452 |
| J1 | 1 | | 1-1318301-2 | TE Connectivity | Polarized Header, 7.92 mm, 2x1, Tin, TH | TH Header |
| L1 | 1 | 100uH | 744772101 | Würth Elektronik | Inductor, Drum Core, Ferrite, 100 µH, 0.9 A, 0.19 ohm, SMD | Dia 8x10mm |
| Q4 | 1 | 650V | IPL60R299CP | Infineon Technologies | MOSFET, N-CH, 650 V, 11.1 A, PG-VSON-4 | PG-VSON-4 |
| Q5 | 1 | 60V | CSD18540Q5B | Texas Instruments | MOSFET, N-CH, 60 V, 28 A, SON 5x6mm | SON 5x6mm |
| R1 | 1 | 10.0 | CRCW060310R0FKEA | Vishay-Dale | RES, 10.0, 1%, 0.1 W, 0603 | 0603 |
| R2, R3 | 2 | 0 | CRCW12060000Z0EA | Vishay-Dale | RES, 0, 5%, 0.25 W, 1206 | 1206 |
| R9 | 1 | 649k | CRCW0402649KFKED | Vishay-Dale | RES, 649 k, 1%, 0.063 W, 0402 | 0402 |
| R10 | 1 | 5.1 | CRCW06035R10JNEA | Vishay-Dale | RES, 5.1, 5%, 0.1 W, 0603 | 0603 |
| R11 | 1 | 549k | CRCW0402549KFKED | Vishay-Dale | RES, 549 k, 1%, 0.063 W, 0402 | 0402 |
| R12 | 1 | 4.7 | CRCW12064R70JNEA | Vishay-Dale | RES, 4.7, 5%, 0.25 W, 1206 | 1206 |
| R13 | 1 | 61.9k | CRCW040261K9FKED | Vishay-Dale | RES, 61.9 k, 1%, 0.063 W, 0402 | 0402 |
| R14, R19, R28 | 3 | 10.0k | CRCW040210K0FKED | Vishay-Dale | RES, 10.0 k, 1%, 0.063 W, 0402 | 0402 |
| R15 | 1 | 37.4k | CRCW040237K4FKED | Vishay-Dale | RES, 37.4 k, 1%, 0.063 W, 0402 | 0402 |
| R16 | 1 | 1.00k | CRCW04021K00FKED | Vishay-Dale | RES, 1.00 k, 1%, 0.063 W, 0402 | 0402 |
| R17, R22, R26 | 3 | 20.0k | CRCW040220K0FKED | Vishay-Dale | RES, 20.0 k, 1%, 0.063 W, 0402 | 0402 |
| R18 | 1 | 29.4k | CRCW040229K4FKED | Vishay-Dale | RES, 29.4 k, 1%, 0.063 W, 0402 | 0402 |
| R21 | 1 | 0.43 | ERJ-8RQFR43V | Panasonic | RES, 0.43, 1%, 0.25 W, AEC-Q200 Grade 1, 1206 | 1206 |
| R23 | 1 | 0 | CRCW04020000Z0ED | Vishay-Dale | RES, 0, 5%, 0.063 W, 0402 | 0402 |
| R24 | 1 | 3.01k | CRCW04023K01FKED | Vishay-Dale | RES, 3.01 k, 1%, 0.063 W, 0402 | 0402 |
| R25 | 1 | 4.99k | CRCW04024K99FKED | Vishay-Dale | RES, 4.99 k, 1%, 0.063 W, 0402 | 0402 |
| R27 | 1 | 30.1k | CRCW040230K1FKED | Vishay-Dale | RES, 30.1 k, 1%, 0.063 W, 0402 | 0402 |
| R29 | 1 | 3.48k | CRCW04023K48FKED | Vishay-Dale | RES, 3.48 k, 1%, 0.063 W, 0402 | 0402 |
| T1 | 1 | 300uH | RLTI-1196 | Renco Electronics | Transformer, 300 uH, TH | 1025x595mil |
| TP1 | 1 | Red | 5010 | Keystone | Test Point, Multipurpose, Red, TH | Red Multipurpose Testpoint |
| TP2 | 1 | Black | 5011 | Keystone | Test Point, Multipurpose, Black, TH | Black Multipurpose Testpoint |
| U1 | 1 | | UCC28740DR | Texas Instruments | Constant-Voltage, Constant-Current Flyback Controller Using Opto-Coupler Feedback, D0007A | D0007A |
| U2 | 1 | | UCC24636DBVR | Texas Instruments | SYNCHRONOUS RECTIFIER CONTROLLER WITH LOW POWER STANDBY, DBV0006A | DBV0006A |

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|------------|----------|-------|----------------|----------------------|--|------------------|
| U4 | 1 | | VOS617A-7X001T | Vishay-Semiconductor | OptoCoupler, Phototransistor, 80-160%, SSOP-4 | 7x2.12x2.6mm |
| U5 | 1 | | TL431AIDBZR | Texas Instruments | Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br) | DBZ0003A |
| L3 | 0 | 806uH | RLTI-1081 | Renco Electronics | Coupled inductor, 806 μ H, A, 0.27 ohm, TH | 360x360x360mil |

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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