

PMP10545 REV 5 Bill of Materials

| Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|-----------------------------------|----------|---------|--------------------|---------------------|---|----------------------------------|
| !PCB | 1 | | PMP10545 | Any | Printed Circuit Board | |
| C1, C2, C3, C4, C13, C14 | 6 | 10uF | EMK212BJ106KG-T | Taiyo Yuden | CAP, CERM, 10uF, 16V, +/-10%, X5R, 0805 | 0805 |
| C5, C8 | 2 | 0.1uF | C0603C104J3RAC | Kemet | CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603 | 0603 |
| C6 | 1 | 2200pF | C0603C222K5RAC | Kemet | CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603 | 0603 |
| C7 | 1 | 0.022uF | GRM188R71C223KA01D | MuRata | CAP, CERM, 0.022uF, 16V, +/-10%, X7R, 0603 | 0603 |
| C9, C10, C11, C12 | 4 | 2.2uF | GRM31CR61H225KA88L | MuRata | CAP, CERM, 2.2uF, 50V, +/-10%, X5R, 1206 | 1206 |
| C15 | 1 | 1uF | GRM188R71E105KA12D | MuRata | CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603 | 0603 |
| C17 | 1 | 1000pF | VJ1206A102JXGAT5Z | Vishay-Vitramon | CAP, CERM, 1000pF, 1000V, +/-5%, C0G/NP0, 1206 | 1206 |
| D1, D2, D3, D4 | 4 | 50V | ES1A-13-F | Diodes Inc. | Diode, Ultrafast, 50V, 1A, SMA | SMA |
| H1, H2, H3, H4 | 4 | | NY PMS 440 0025 PH | B&F Fastener Supply | Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead | Screw |
| H5, H6, H7, H8 | 4 | | 1902C | Keystone | Standoff, Hex, 0.5"L #4-40 Nylon | Standoff |
| J1, J2 | 2 | 2x1 | 1727010 | Phoenix Contact | Conn Term Block, 2POS, 3.81mm, TH | 2POS Terminal Block |
| R1, R2, R3, R4 | 4 | 2.21k | CRCW06032K21FKEA | Vishay-Dale | RES, 2.21 k, 1%, 0.1 W, 0603 | 0603 |
| R5 | 1 | 487k | CRCW0603487KFKEA | Vishay-Dale | RES, 487k ohm, 1%, 0.1W, 0603 | 0603 |
| R6 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100 k, 1%, 0.1 W, 0603 | 0603 |
| R7, R13 | 2 | 0 | CRCW06030000Z0EA | Vishay-Dale | RES, 0, 5%, 0.1 W, 0603 | 0603 |
| R8 | 1 | 0 | CRCW08050000Z0EA | Vishay-Dale | RES, 0, 5%, 0.125 W, 0805 | 0805 |
| R9 | 1 | 100k | CRCW0603100KFKEA | Vishay-Dale | RES, 100k ohm, 1%, 0.1W, 0603 | 0603 |
| R10 | 1 | 10.0k | CRCW060310K0FKEA | Vishay-Dale | RES, 10.0k ohm, 1%, 0.1W, 0603 | 0603 |
| R11 | 1 | 1.82k | CRCW06031K82FKEA | Vishay-Dale | RES, 1.82 k, 1%, 0.1 W, 0603 | 0603 |
| R12 | 1 | 18.2k | CRCW060318K2FKEA | Vishay-Dale | RES, 18.2k ohm, 1%, 0.1W, 0603 | 0603 |
| T1 | 1 | 190.8uH | VP5-0083TR | Coiltronics | VERSA-PAC Inductor | 21mm x 28.5mm |
| TP1, TP2, TP3, TP4, TP5 | 5 | Yellow | 5014 | Keystone | Test Point, Multipurpose, Yellow, TH | Yellow Multipurpose Testpoint |
| TP6, TP7, TP8, TP9, TP11, TP12 | 6 | Black | 5011 | Keystone | Test Point, Multipurpose, Black, TH | Black Multipurpose Testpoint |
| TP10 | 1 | Red | 5010 | Keystone | Test Point, Multipurpose, Red, TH | Red Multipurpose Testpoint |
| TP13 | 1 | Blue | 5127 | Keystone | Test Point, Multipurpose, Blue, TH | Blue Multipurpose Testpoint |
| U1 | 1 | | LM5160DNT | Texas Instruments | Wide Input 65V, 1.5A Synchronous Step-Down DC-DC Converter, DNT0012B | DNT0012B |

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