

Filename: Pro7756.tmp
 Variant: 001
 Generated: 8/31/2016 1:43:31 PM
 TID #: N/A



PMP15006 REV E1 Bill of Materials

| Item # | Designator | Quantity | Value | PartNumber | Manufacturer | Description | PackageReference |
|--------|------------|----------|--------|----------------------|-----------------------------|--|-------------------------------|
| 1 | IPCB1 | 1 | | PMP15006 | Any | Printed Circuit Board | |
| 2 | C1 | 1 | 1000pF | C0805C102JBRACU | Kemet | CAP, CERM, 1000 pF, 630 V, +/- 5%, X7R, 0805 | 0805 |
| 3 | C2, C6 | 2 | 10uF | GRM21BR71A106KE51K | MuRata | CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 0805 | 0805 |
| 4 | C3 | 1 | 0.01uF | GRM155R71H103KA88D | MuRata | CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402 | 0402 |
| 5 | C4 | 1 | 1000pF | CGA2B2X7R1H102K050BA | TDK | CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402 | 0402 |
| 6 | C5 | 1 | 0.01uF | CGA2B3X7R1H103K050BB | TDK | CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402 | 0402 |
| 7 | C7 | 1 | 0.1uF | CGA2B3X7R1H104K050BB | TDK | CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402 | 0402 |
| 8 | C9 | 1 | 2.2uF | C2012X7R1H225M125AC | TDK | CAP, CERM, 2.2 µF, 50 V, +/- 20%, X7R, 0805 | 0805 |
| 9 | C15 | 1 | 1uF | C1608X7R1C105K | TDK | CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603 | 0603L |
| 10 | D1 | 1 | 60V | PMEG6010CEJ,115 | NXP Semiconductor | Diode, Schottky, 60 V, 1 A, SOD-323F | SOD-323F |
| 11 | J1 | 1 | | HB3902U | Foxconn | Header, 2.54mm, 2x1, Gold, TH | Header, 2.54mm, 2x1, TH |
| 12 | J2 | 1 | | PBC04SAAN | Sullins Connector Solutions | Header, 2.54 mm, 4x1, Gold, TH | Header, 2.54 mm, 4x1, TH |
| 13 | L1 | 1 | 33uH | LPD8035V-333MR | Coilcraft | Coupled inductor, 33 µH, SMD | |
| 14 | R1 | 1 | 1.00 | CRCW06031R00FKEA | Vishay-Dale | RES, 1.00, 1%, 0.1 W, 0603 | 0603 |
| 15 | R2 | 1 | 100k | CRCW0402100FKED | Vishay-Dale | RES, 100 k, 1%, 0.063 W, 0402 | 0402 |
| 16 | R3 | 1 | 6.49k | CRCW04026K49FKED | Vishay-Dale | RES, 6.49 k, 1%, 0.063 W, 0402 | 0402 |
| 17 | R4 | 1 | 137k | CRCW0402137FKED | Vishay-Dale | RES, 137 k, 1%, 0.063 W, 0402 | 0402 |
| 18 | R5 | 1 | 49.9k | CRCW040249K9FKED | Vishay-Dale | RES, 49.9 k, 1%, 0.063 W, 0402 | 0402 |
| 19 | R6 | 1 | 2.00k | CRCW04022K00FKED | Vishay-Dale | RES, 2.00 k, 1%, 0.063 W, 0402 | 0402 |
| 20 | U1 | 1 | | LM5017SDX/NOPB | Texas Instruments | 100V, 600mA Constant On-Time Synchronous Buck Regulator, NGU0008B | NGU0008B |
| 21 | LBL1 | 0 | | THT-13-457-10 | Brady | Thermal Transfer Printable Labels, 1.250" W x 0.250" H - 10,000 per roll | PCB Label 1.25"H x 0.250"W |

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