

Filename: PMP4937\_REV\_BOM.xls

Date: 07/02/2009

## PMP4937\_REV BOM

| COUNT | RefDes    | Value       | Description                                        | Size               | Part Number    | Mfr              |
|-------|-----------|-------------|----------------------------------------------------|--------------------|----------------|------------------|
| 1     | C1        | 2.2uF       | Capacitor, Ceramic, 100-V, X7R, 20%                | 1210               | C3225X7R2A225M | TDK              |
| 2     | C2, C6    | 100pF       | Capacitor, Ceramic, 50V, X7R, 10%                  | 0603               | C1608X7R1H101K | TDK              |
| 1     | C3        | 0.1uF       | Capacitor, Ceramic, 50V, X7R, 10%                  | 0603               | C1608X7R1H104K | TDK              |
| 2     | C4, C100  | 0.01uF      | Capacitor, Ceramic, 50V, X7R, 10%                  | 0603               | C1608X7R1H102K | TDK              |
| 1     | C5        | 1uF         | Capacitor, Ceramic, 16V, X7R, 20%                  | 0603               | C1608X7R1C105M | TDK              |
| 1     | C8        | 4700pF      | Capacitor, Ceramic, 50V, X7R, 10%                  | 0603               | C1608X7R1H472K | TDK              |
| 1     | D1        | B260        | Diode, Schottky, 2-A, 60-V                         | SMB                | B260           | Diodes Inc.      |
| 1     | D2        | 5.1V        | Diode, Zener, 5.1-V                                | SOT23              | BZX84C5V1LT1   | ON Semiconductor |
| 1     | D3        | BAV99       | Diode, Dual Ultra Fast, Series, 200-mA, 70-V       | SOT23              | BAV99          | Fairchild        |
| 2     | J1, J2    | PEC36SAAN   | Header, Male 2-pin, 100mil spacing, (36-pin strip) | 0.100 inch x 2     | PEC36SAAN      | Sullins          |
| 1     | J3        | PEC36SAAN   | Header, Male 5-pin, 100mil spacing, (36-pin strip) | 0.100 inch x 5     | PEC36SAAN      | Sullins          |
| 1     | L1        | 47uH        | Inductor, SMT, 2A, 130milliohm                     | 0.402 x 0.394 inch | MSS1038-473ML  | Coilcraft        |
| 1     | Q1        | Si2308DS    | MOSFET, N-ch, 60V, 2A, 0.16Ohm                     | SOT23              | Si2308DS       | Vishay           |
| 1     | Q100      | FMMT451TA   | Bipolar, NPN, 60-V, 1-A                            | SOT23              | FMMT451TA      | Diodes Inc.      |
| 1     | Q2        | MMDT5401    | Transistor, NPN, Dual, 150V, 200ma                 | SOT-363            | MMDT5401       | Diodes           |
| 2     | Q3, Q4    | 2N7002      | MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms               | SOT23              | 2N7002W        | Diodes           |
| 2     | R1, R7    | 0.15        | Resistor, Chip, 1/10W, 5%                          | 0805               | STD            | STD              |
| 2     | R11, R100 | 49.9k       | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 1     | R14       | 49.9        | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 1     | R15       | 2k          | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 1     | R2        | 845         | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 2     | R3, R16   | 100k        | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 1     | R4        | 365k        | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 2     | R5, R12   | 10k         | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 2     | R6, R13   | 1k          | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 1     | R9        | 20k         | Resistor, Chip, 1/16W, 1%                          | 0603               | Std            | Std              |
| 2     | TP1, TP2  | 5000        | Test Point, Red, Thru Hole Color Keyed             | 0.100 x 0.100      | 5000           | Keystone         |
| 1     | TP3       | 5000        | Test Point, Black, Thru Hole Color Keyed           | 0.100 x 0.100 inch | 5000           | Keystone         |
| 1     | U1        | TPS40211DGQ | IC, 4.5V-52V I/P, Current Mode Boost Controller    | DGQ10              | TPS40211DGQ    | TI               |

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