

|                  |                               |              |                                          |                    |                    |             |
|------------------|-------------------------------|--------------|------------------------------------------|--------------------|--------------------|-------------|
| Date: 12/17/2009 |                               |              | <b>PMP5240_REVB BOM</b>                  |                    |                    |             |
|                  |                               |              |                                          |                    |                    |             |
| <b>COUNT</b>     | <b>RefDes</b>                 | <b>Value</b> | <b>Description</b>                       | <b>Size</b>        | <b>Part Number</b> | <b>MFR</b>  |
| 1                | C7                            | 0.047uF      | Capacitor, Ceramic, 25V, X7R, 15%        | 0603               | Std                | Std         |
| 1                | C1                            | 0.1uF        | Capacitor, Ceramic, 50V, X7R, 15%        | 0603               | Std                | Std         |
| 1                | C8                            | 2200pF       | Capacitor, Ceramic, 50V, X7R, 15%        | 0603               | Std                | Std         |
| 1                | C14                           | 0.1uF        | Capacitor, Ceramic, 50V, X7R, 15%        | 0603               | Std                | Std         |
| 1                | C16                           | 1uF          | Capacitor, Ceramic, 16V, X7R             | 0603               | Std                | Std         |
| 2                | C3, C4                        | 1uF          | Capacitor, Ceramic, 50V, X7R             | 1206               | C3216X7R1H105MT    | TDK         |
| 1                | C2                            | 56uF         | Capacitor, Aluminum Electrolytic, 35V    | 0.248 inch         | 35ZL560 6.3X11     | Rubycon     |
| 1                | D1                            | DFLS140L     | Diode, Schottky, 1A, 40V                 | PowerDI 123        | DFLS1100           | Diodes Inc. |
| 1                | D100                          | 15V          | Diode, Zener, 15V, 50uA                  | SOD123             | MMSZ4702T1         | On Semi     |
| 1                | L1                            | 100uH        | Inductor, SMT, 0.71A, 358 milliohm       | 0.278 x 0.278 inch | MSS7341-104ML      | Coilcraft   |
| 1                | Q4                            | Si1426DH     | MOSFET, N-ch, 30V, 2.9A, 115milliOhms    | SC-70              | Si1426DH           | Vishay      |
| 1                | Q5                            | 2N7002       | MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms     | SOT23              | 2N7002             | Vishay      |
| 1                | R8                            | 49.9         | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 2                | R6, R18                       | 100K         | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 1                | R1                            | 7.5K         | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 1                | R5                            | 10K          | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 1                | R4                            | 133K         | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 1                | R9                            | 38.3K        | Resistor, Chip, 1/16W, 1%                | 0603               | Std                | Std         |
| 1                | R17                           | 0.47         | Resistor, Chip, 1/10W, 1%                | 0805               | Std                | Std         |
| 1                | R100                          | 2.8K         | Resistor, Chip, 1/10W, 1%                | 0805               | Std                | Std         |
| 1                | U1                            | TPS54160DGQ  | IC, DC-DC Converter, 3V-60V, 1.5A        | MSOP-10            | TPS54160DGQ        | TI          |
| 1                | U2                            | TLV271iCDBV  | IC, Presicion, Op-Amp, 3MHz              | SOT23-5            | TLV271iCDBV        | TI          |
|                  |                               |              |                                          |                    |                    |             |
| <b>MISC</b>      |                               |              |                                          |                    |                    |             |
| 2                | J1, J5                        | ED555/2DS    | Terminal Block, 2-pin, 6-A, 3.5mm        | 0.27 x 0.25 inch   | ED555/2DS          | OST         |
| 1                | J7                            | PTC36SAAN    | Header, 2-pin, 100mil spacing            | 0.100 x 2          | PTC36SAAN          | Sullins     |
| 6                | TP1, TP2, TP3, TP8, TP9, TP12 | 5000         | Test Point, Red, Thru Hole Color Keyed   | 0.100 x 0.100 inch | 5000               | Keystone    |
| 3                | TP5, TP6, TP11                | 5001         | Test Point, Black, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001               | Keystone    |

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|                               |                                                                                          |
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