

| Filename: PMP5716REVA_BILLOFMATERIALS_bom.xls |               |                   |  |                    |                         |                         |
|---|---------------|-------------------|--|--------------------|-------------------------|-------------------------|
| Date: 06/14/2011                              |               |                   |  |                    |                         |                         |
| <b>PMP5716REVA_BILLOFMATERIALS BOM</b>        |               |                   |  |                    |                         |                         |
| COUNT   | RefDes        | Value             | Description                              | Size               | Part Number             | Mfr                     |
| 1   | C1            | 47uF              | Capacitor, Aluminum Electrolytic, 450V   | 0.571 inch         | EKXJ451ESS470ML25S      | Nippon Chemi-Con        |
| 1   | C2            | 1000uF            | Capacitor, Aluminum Electrolytic, 35V    | 0.492 inch         | 35V ZL 1000uF 12.5 X 25 | Rubycon                 |
| 1   | C3            | 4.7uF             | Capacitor, Ceramic, 50V, X7R, 20%        | 1210               | GRM32ER71H475KA88L      | Murata                  |
| 1   | C6            | 10nF              | Capacitor, Ceramic, 630V, C0G, 10%       | 1206               | C3216CH2J103K           | TDK                     |
| 1   | C9            | 27uF              | Capacitor, Aluminum Electrolytic, 25V    | 0.200 * 0.435 inch | 25V ZL 27uF 5 X 11      | Rubycon                 |
| 1   | C12           | 47nF              | Capacitor, Ceramic, 50V, X7R, 10%        | 0603               | C1608X7R1H473K          | TDK                     |
| 1   | C13           | 1uF               | Capacitor, Ceramic, 16V, X7R, 20%        | 0603               | C1608X7R1C105M          | TDK                     |
| 1   | C15           | 100nF             | Capacitor, Ceramic, 50V, X7R, 10%        | 0603               | C1608X7R1H104K          | TDK                     |
| 1   | C16           | 10nF              | Capacitor, Ceramic, 50V, X7R, 10%        | 0603               | C1608X7R1H103K          | TDK                     |
| 1   | C18           | 10nF              | CAP, CERM DISC, 250Vac, 20%              | .500 X .310        | ECKATS103MF6            | Panasonic               |
| 3   | C11 C14 C17   | 100pF             | Capacitor, Ceramic, 50V, X7R, 10%        | 0603               | C1608X7R1H101K          | TDK                     |
| 2   | C4-5          | 100nF             | Capacitor, Film, MKP 338 X2, 275VAC, 20% | .470x.250 inch     | 2222 338 20104          | BC Components           |
| 1   | D1            | ES3D              | Diode, 3A, 200V                          | SMC                | ES3D-13-F               | Diodes Inc.             |
| 1   | D2            | RH06-T            | Diode, Bridge, 0.5-A, 600-V              | MiniDIP            | RH06-T                  | Diodes                  |
| 1   | D3            | US1K              | Diode Ultrafast, 1-A, 800-V              | SMA                | US1K                    | Diodes Inc.             |
| 1   | D5            | BAS20             | Diode, Switching, 150V, 200mA            | SOT23              | BAS20LT1                | On Semiconductor        |
| 2   | D6-7          | BAS16             | Diode, Switching, 75V, 200mA             | SOT23              | BAS16LT1                | On Semiconductor        |
| 1   | F1            | 1.6A/250V         | Fuse, TR5 Series, 1.6A, 250V             | 0.335              | 3701160041              | Wickmann                |
| 1   | J1            | ED1514            | Terminal Block, 2-pin, 6-A, 3.5mm        | 0.27 x 0.25        | ED1514                  | OST                     |
| 1   | L1            | 10mH              | Inductor, Common-Mode, 0.25A             | 0.906 x 0.748 inch | UU9.8V-103              | GCI                     |
| 1   | Q1            | IRFBC30A          | MOSFET, N-ch, 600-V, 3.6-A, 2.2-Ohms     | TO-220V            | IRFBC30A                | International Rectifier |
| 1   | R3            | 100k              | Resistor, Chip, 1W, 5%                   | 2512               | STD                     | STD                     |
| 1   | R7            | 210k              | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | R8            | 49.9              | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | R12           | 41.2k             | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | R13           | 15k               | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | R15           | 1k                | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | R16           | 0.36              | Resistor, Chip, 1/4W, 5%                 | 1210               | Std                     | Std                     |
| 1   | R17           | 1.15k             | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 3   | R1 R5 R19     | 10                | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 2   | R11 R14       | 10k               | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 2   | R18 R6        | 100k              | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 2   | R2 R4         | 499k              | Resistor, Chip, 1/4W, 5%                 | 1210               | Std                     | Std                     |
| 2   | R9-10         | 4.99k             | Resistor, Chip, 1/16W, 1%                | 0603               | Std                     | Std                     |
| 1   | RT1           | 20 Ohms           | Thermistor, NTC, 20 Ohms                 | 0.197 DIA.         | ERT-D2FEL200S           | Panasonic               |
| 1   | T1            | SRW2425EG-U05V015 | Transformer, Custom, Flyback             | 1.004 x 1.181 inch | SRW2425EG-U05V015       | TDK                     |
| 1   | TP3           | 5001              | Test Point, Black, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001                    | Keystone                |
| 4   | TP1-2 TP4 TP7 | 5000              | Test Point, Red, Thru Hole Color Keyed   | 0.100 x 0.100 inch | 5000                    | Keystone                |

|        |   |            |  |                    |            |                   |
|--------|---|------------|--|--------------------|------------|-------------------|
| 1      | U1  | UCC28600D  | IC, Quasi-Resonant Flyback Green Mode Controller | SO8                | UCC28600D  | Texas Instruments |
| 1      | U2  | H11A817AS  | IC, Optocoupler, 5300-V, 50-160% CTR             | 0.435 x 0.210 inch | H11A817AS  | Fairchild         |
| 1      | U3  | TL431AIDBZ | IC, Precision Adjustable Shunt Regulator         | SOT23-3            | TL431AIDBZ | Texas Instruments |
|        |   |            |  |                    |            |                   |
| Notes: | 1. These assemblies are ESD sensitive, ESD precautions shall be observed.   |            |  |                    |            |                   |
|        | 2. These assemblies must be clean and free from flux and all contaminants.<br>Use of no clean flux is not acceptable. |            |  |                    |            |                   |
|        | 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.   |            |  |                    |            |                   |
|        | 4. Ref designators marked with an asterisk (***) cannot be substituted.   |            |  |                    |            |                   |
|        | All other components can be substituted with equivalent MFG's components.   |            |  |                    |            |                   |

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