Filename: PMP2942_REV_B_bom.xls
Date: 10/03/2007

# PMP2942_REV_B BOM

| COUNT | RefDes | Value | Description | SIZE | Part Number | MFR | AREA |
|---|---|---|---|---|---|---|---|
| 1 | C1 | 270p | Capacitor, Ceramic, 50V, NPO, [tol] | 0603 | std | std | 5650 |
| 1 | C10 | 10uF | Capacitor, Ceramic, 25V, [temp], [tol] | 1210 | Std | std | 83,600 |
| 2 | C11, C12 | 3.3uF | Capacitor, Ceramic, 50V, X7R, 20% | 1210 | Std | std | 83,600 |
| 1 | C2 | 0.22u | Capacitor, Ceramic, 16V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C3 | 100p | Capacitor, Ceramic, 50V, X7R, [tol] | 0603 | std | std | 5650 |
| 1 | C4 | 3300p | Capacitor, Ceramic, 50V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C5 | 0.1u | Capacitor, Ceramic, 25V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C7 | 1u | Capacitor, Ceramic, 16V, X7R, 20% | 0603 | std | std | 5650 |
| 1 | C9 | 22p | Capacitor, Ceramic, vvV, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | D1 | MBRS460 | Diode, 4A, 60V | SMC | MBRS460 | Onsemi | 95000 |
| 2 | J1, J2 | D120/2DS | Terminal Block, 2-pin, 15-A, 5.1mm | 0.40 x 0.35 inch | D120/2DS | OST | 141600 |
| 1 | L1 | 12u | Inductor, SMT, 4.9A, 24-milliohm | 0.485 sq inch | CDRH127-120 | Sumida | 95275 |
| 1 | L4 | 2.2 uH | Inductor, SMT, 2A, 23milliohm | 0.200 x 0.200 in | MSS5131-222MX_ | Coilcraft | 65 |
| 1 | Q1 | Si7308DN | MOSFET, Fast Switching, NChan, 60V, 6A, 59millohm | PWRPAK 1212 | Si7110DN | Vishay | 27200 |
| 1 | R1 | 249k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R10 | 1k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R100 | 1 | Resistor, Chip, 1W, 1% | 2512 | WSL-2512-xx 1% F | STD | 35100 |
| 1 | R11 | 0.02 | Resistor, Chip, 1W, 1% | 2512 | WSL-2512-xx 1% F | STD | 35100 |
| 1 | R2 | 7.5k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R3 | 1.62k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R5 | 49.9k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R7 | 10 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | U1 | TPS40210DGS | IC, Low Cost Non-Synchronous Boost Controller | DGS10 | TPS40210DGS | TI | 26780 |

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.
   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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