

| Filename: PMP2666REVB_bom.xls | | | | | | | |
|-------------------------------|--------|----------|--|------------------|--------------------|-----------|--------|
| Date: 09/11/2008 | | | | | | | |
| PMP2666REVB BOM | | | | | | | |
| COUNT | RefDes | Value | Description | SIZE | Part Number | MFR | AREA |
| 1 | C1 | 330p | Capacitor, Ceramic, 50V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C2 | 0.22u | Capacitor, Ceramic, 16V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C3 | 4.7p | Capacitor, Ceramic, 50V, [temp], [tol] | 0603 | std | std | 5650 |
| 1 | C4 | 10nF | 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 |
| 2 | C8 | 22uF | Capacitor, Ceramic, 16V, X7R | 1210 | Std | std | 83,600 |
| 1 | C9 | 330p | Capacitor, Ceramic, vvV, [temp], [tol] | 0603 | std | std | 5650 |
| | C10 | 22uF | Capacitor, Ceramic, 16V, X7R | 1210 | Std | std | 83,600 |
| 5 | C11 | 10uF | Capacitor, Ceramic, 25V, X7R, 20% | 1210 | Std | std | 83,600 |
| | C12 | 10uF | Capacitor, Ceramic, 25V, X7R, 20% | 1210 | Std | std | 83,600 |
| | C101 | 10uF | Capacitor, Ceramic, 25V, X7R, 20% | 1210 | Std | std | 83,600 |
| | C102 | 10uF | Capacitor, Ceramic, 25V, X7R, 20% | 1210 | Std | std | 83,600 |
| | C103 | 10uF | Capacitor, Ceramic, 25V, X7R, 20% | 1210 | Std | std | 83,600 |
| 4 | D1 | B230 | Diode, Rectifier, 2-A, 30-V | SMB | STD | STD | 95000 |
| | D101 | B230 | Diode, Rectifier, 2-A, 30-V | SMB | STD | STD | 95000 |
| | D102 | B230 | Diode, Rectifier, 2-A, 30-V | SMB | STD | STD | 95000 |
| | D103 | B230 | Diode, Rectifier, 2-A, 30-V | SMB | STD | STD | 95000 |
| 3 | J1 | D120/2DS | Terminal Block, 2-pin, 15-A, 5.1mm | 0.40 x 0.35 inch | D120/2DS | OST | 141600 |
| | J2 | D120/2DS | Terminal Block, 2-pin, 15-A, 5.1mm | 0.40 x 0.35 inch | D120/2DS | OST | 141600 |
| | J101 | D120/2DS | Terminal Block, 2-pin, 15-A, 5.1mm | 0.40 x 0.35 inch | D120/2DS | OST | 141600 |
| 1 | L1 | 22u | Inductor, SMT, 4.7A, 36.4-milliohm | 0.485 sq inch | CDRH127-/LDNP-220M | Sumida | 95275 |
| 1 | Q3 | FDS8884 | Transistor, MOSFET, N-Chan, 30V, 8.5A, Rds 23 milliOhm | SO8 | FDS8884 | Fairchild | 75900 |
| 1 | R1 | 182k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R2 | 22.1k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R3 | 2.00k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R5 | 41.2k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 4 | R6 | 0 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| | R7 | 0 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R9 | 49.9 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R10 | 1k | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 1 | R11 | 0.05 | Resistor, Chip, 1W, 1% | 2512 | WSL-2512-xx 1% R86 | STD | 35100 |

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|--------|---|-------------|---|--------------------|-------------|----------|-------|
| | R12 | 0 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| | R15 | 0 | Resistor, Chip, 1/16W, 1% | 0603 | std | std | 9100 |
| 2 | R101 | 10k | Resistor, Chip, 1/16W, x% | 0603 | Std | Std | 5,650 |
| | R102 | 10k | Resistor, Chip, 1/16W, x% | 0603 | Std | Std | 5,650 |
| 4 | TP1 | 5011 | Test Point, Black, Thru Hole | 0.125 x 0.125 inch | 5011 | Keystone | |
| 3 | TP2 | 5010 | Test Point, Red, Thru Hole | 0.125 x 0.125 inch | 5010 | Keystone | |
| 1 | TP4 | 5002 | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5002 | Keystone | 10 |
| 1 | TP5 | 5002 | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5002 | Keystone | 10 |
| 1 | TP7 | 5000 | Test Point, Red, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5000 | Keystone | 10 |
| | TP8 | 5011 | Test Point, Black, Thru Hole | 0.125 x 0.125 inch | 5011 | Keystone | |
| | TP10 | 5010 | Test Point, Red, Thru Hole | 0.125 x 0.125 inch | 5010 | Keystone | |
| | TP11 | 5011 | Test Point, Black, Thru Hole | 0.125 x 0.125 inch | 5011 | Keystone | |
| | TP101 | 5010 | Test Point, Red, Thru Hole | 0.125 x 0.125 inch | 5010 | Keystone | |
| | TP102 | 5011 | Test Point, Black, Thru Hole | 0.125 x 0.125 inch | 5011 | Keystone | |
| 1 | U1 | TPS40210DGS | IC, Low Cost Non-Synchronous Boost Controller | DGS10 | TPS40210DGS | TI | 26780 |
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| 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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