

| Filename: PMP2809_REVA_bom.xls | | | | | | |
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| Date: 06/27/2007 | | | | | | |
| PMP2809_REVA BOM | | | | | | |
| COUNT | RefDes | Value | Description | Size | Part Number | MFR |
| 2 | BAT1, BAT2 | | BATTERY LITHIUM AA CELL 1.5 VOLT | | L91VP | Energizer |
| 1 | BH1 | 2223 | Battery Holder, Double AA" Size " | 2.250 x 1.125 in | 2223 | Keystone |
| 2 | C1, C2 | 22uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 0805 | C2012X5R0J226M | TDK |
| 1 | C3 | 10uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 0603 | GRM188R60J106ME47D | Murata |
| 1 | C4 | 1000pF | Capacitor, Ceramic, 50V | 0603 | C0603C102J5GACTU | Kemet |
| 2 | C5, C6 | NU | Capacitor, Ceramic, 50V | 0603 | C0603C102J5GACTU | Kemet |
| 1 | D1 | 7090 XR-E | LED, White, 700mA | 0.276X 0.354 in | 7090 XR-E | Cree XLamp |
| 1 | D2 | LM4040D20IDBZR | DIODE, Shunt Voltage Reference | SOT-23 | LM4040D20IDBZR | TI |
| 2 | IW1, IW2 | | RED polarizing washer, snap on battery holder + terminal | | 59 | Keystone |
| 1 | L1 | 2.2 uH | Inductor, SMT, 8A, 20milliohm | 0.255 x 0.270 in | IHLP2525CZER2R2M01 | Vishay |
| 1 | R1 | 10K | Resistor, Chip, 1/16W, 1% | 0603 | ERJ-3EKF1002V | Panasonic |
| 1 | R6 | 49.9 | Resistor, Chip, 1/16W, 1% | 0603 | ERJ-3EKF4990V | Panasonic |
| 1 | R2 | 49.9K | Resistor, Chip, 1/16W, 1% | 0603 | ERJ-3EKF4992V | Panasonic |
| 2 | R3, R4 | 0.3 | Resistor, Chip, 1/10W, 1% | 0805 | RL1220S-R30-F | Susumu |
| 1 | R5 | 12.7K | Resistor, Chip, 1/16W, 1% | 0603 | ERJ-3EKF1272V | Panasonic |
| 2 | S1, S2 | 1101M2S3CQE2 | Switch, Actuator SPDT | 0.500 X .260 in | 1101M2S3CQE2 | C & K |
| 1 | U1 | TPS63000DRC | IC, High Efficiency Single Inductor Buck-Boost Converter with | QFN10 | TPS63000DRC | TI |
| 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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