

PMP6845_REVA BOM

| COUNT | RefDes | VALUE | Description | Size | Part Number | MFR |
|-------|---|-------------|---|-----------------------------|------------------|----------------|
| 6 | C70-75 | 0.068uF | Capacitor, Ceramic, 25V, X7R, 10% | 402 | Std | TDK |
| | C1 C12 C18 C30 C35 C46- | | | | | |
| 7 | 47 | 0.1uF | Capacitor, Ceramic, 16V, X7R, 10% | 402 | Std | TDK |
| 1 | C5 | 10pF | Capacitor, Ceramic, 50V, NPO, 10% | 402 | Std | Std |
| 3 | C14 C31 C44 | 1uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 402 | Std | Std |
| 6 | C4 C22 C25 C39 C45 C54 | 220pF | Capacitor, Ceramic, 50V, X7R, 10% | 402 | Std | TDK |
| 1 | C13 | 220pF | Capacitor, Ceramic, 50V, X7R, 10% | 402 | Std | Std |
| 0 | C6 | open | Capacitor, Ceramic, 50V, X7R, 10% | 402 | Std | Std |
| 1 | C8 | 470pF | Capacitor, Ceramic, 50V, X7R, 10% | 402 | Std | Std |
| 2 | C152-153 | 0.1uF | Capacitor, Ceramic, 50V, X7R, 15% | 603 | GRM39yyyxxxKvvvA | muRata |
| 1 | C151 | 0.22uF | Capacitor, Ceramic, 25V, X7R, 15% | 603 | GRM39yyyxxxKvvvA | muRata |
| 3 | C19 C36 C50 | 1uF | Capacitor, Ceramic, 25V, X5R, 20% | 603 | Std | Std |
| 1 | C154 | 1uF | Capacitor, Ceramic, 25V, X5R, 20% | 603 | GRM39yyyxxxKvvvA | Std |
| 6 | C52 C57 C66-69 | 1.5nF | Capacitor, Ceramic, 100V, X7R, 15% | 805 | std | std |
| | C7 C11 C15 C26 C32 C48 | | | | | |
| 7 | C53 | 10uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 805 | Std | Std |
| 1 | C155 | 10uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 805 | Std | Std |
| 6 | C9-10 C20-21 C64-65 | 100uF | Capacitor, Ceramic, 6.3V, X5R, 20% | 1210 | Std | Std |
| | C2-3 C16-17 C23-24 C33-34 C40-43 C49 C51 C55-56 | | | | | |
| 18 | C58-59 | 22uF | Capacitor, Ceramic, 16V, X5R, 20% | 1210 | Std | Std |
| 5 | C27-29 C37-38 | 470uF | Capacitor, Aluminum, SMT, 2.5V, 105degC, 20%, 7mohm | 7343(D) | 2R5TPE470M7 | Sanyo |
| 4 | C60-63 | 470uF | Capacitor, Aluminum, 16V, 105 deg C, 20% | 0.315 inch 0.375 x 0.812 | 16ZLG470M10x12.5 | Rubycon |
| 6 | J1-6 | L35 | Lug, Copper, 25A, #8AWG - #14AWG | inch | L35 | Thomas & Betts |
| 1 | D151 | BAT54 | Diode, Schottky, 200-mA, 30-V | SOT23 | BAT54-V-GS08 | Vishay-Liteon |
| 1 | D152 | RED | Diode, LED, Red Clear, 20mcd | 0.079 X 0.049 | LTST-C170CKT | Lite On |
| 6 | D1-6 | MBR0520L | Diode, Schottky, 0.5A, 20V | SOD-123 | MBR0520L | Fairchild |
| 2 | D153-154 | MBR0530TxG | Diode, Schottky, 0.5A, 30V | SOD-123 | MBR0530TxG | On Semi |
| 1 | J7 | PEC02SAAN | Header, Male 2-pin, 100mil spacing, | 0.100 inch x 2 | PEC02SAAN | Sullins |
| 1 | J8 | PEC02SAAN | Header, Male 2-pin, 100mil spacing, | 0.100 inch x 2 | PEC02SAAN | Sullins |
| 1 | J151 | PEC02SAAN | Header, Male 2-pin, 100mil spacing, | 0.100 inch x 2 | PEC02SAAN | Sullins |
| 0 | L7-12 | placeholder | Inductor, SMT, yyA, zzmiliohm | 0.51 x 0.51 inch | for 13mm by 13mm | Vishay |
| 6 | L1-6 | 325 nH | IND, SMT Power ±15% | 0.394 x 0.476 inch | PA2202-321NL | Pulse |
| 5 | R15 R17-18 R29-30 | 10 | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 3 | R7 R11 R21 | 10K | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 7 | R8-9 R19 R24 R26-27 R31 | 10k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R4 | 12.1k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R16 | 178k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 6 | R45-50 | 1k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R6 | 15k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R2 | 232k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R3 | 25.5k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |

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|---|-------------------------|---------------|---|-----------------------|-------------------|-------------------|
| 1 | R12 | 34.8k | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 2 | R14 R39 | 39.2K | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 6 | R13 R20 R28 R32 R35-36 | 4.7 | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R10 | 49.9 | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 1 | R40 | DNP | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 6 | R1 R22-23 R33-34 R38 | Open | Resistor, Chip, 1/16W, 1% | 402 | Std | Std |
| 6 | R25 R37 R41-44 | 1 | Resistor, Chip, 1/2W, 5% | 2010 | Std | Std |
| 1 | R152 | 100k | Resistor, Chip, 1/16W, 1% | 603 | CRCW0603-xxxx-F | Vishay |
| 1 | R153 | 10k | Resistor, Chip, 1/16W, 1% | 603 | CRCW0603-xxxx-F | Vishay |
| 1 | R154 | 331 | Resistor, Chip, 1/16W, 1% | 603 | CRCW0603-xxxx-F | Vishay |
| 1 | R151 | 8.06k | Resistor, Chip, 1/16W, 1% | 603 | CRCW0603-xxxx-F | Vishay |
| 3 | R155 R160 R169 | 10 | Resistor, Chip, 1/16W, 5% | 603 | CRCW0603-xxx-J | Vishay |
| 1 | R159 | 0.005 | Resistor, Chip, 1W, 5% | 2512 | Std | Std |
| 6 | R156-158 R166-168 | 0.02 | Resistor, Chip, 1W, 5% | 2512 | Std | Std |
| 0 | SH1-12 | | Short connection on PCB | | | |
| 1 | U151 | TLC555CD | IC, Timer, Low-Power CMOS | SO8 | TLC555CD | TI |
| 5 | TP1 TP3-4 TP6 TP9 | 5000 | Test Point, Red, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5000 | Keystone |
| 3 | TP2 TP5 TP7 | 5001 | Test Point, Black, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001 | Keystone |
| 1 | TP153 | 5001 | Test Point, Black, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001 | Keystone |
| 1 | TP151 | 5002 | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5002 | Keystone |
| 3 | U1-3 | TPS40140RHH | IC, 2 Phase, Stackable Controller | QFN-36 | TPS40140RHH | TI |
| 6 | TP8 TP10-14 | 5015 | Test Point, SMT | 0.105 x 0.040 inch | 5015 | Keystone |
| 3 | TP15-17 | 5016 | Test Point, SM, 0.150 x 0.090 | 0.185 x 0.135 inch | 5016 | Keystone |
| 6 | Q11 Q22 Q33 Q44 Q55 Q66 | CSD16325Q5 | MOSFET, N-Chan, 25V, 33 A, 1.7 milli-ohm | QFN-8 | POWER CSD16325Q5 | TI |
| 1 | Q151 | CSD16401Q5A-R | MOSFET, NChan, 25V, 37A, 1.3milliOhm | QFN5X6mm | CSD16401Q5A-R | TI |
| 6 | Q1-6 | CSD86350Q5D | MOSFET, Dual N-Ch, 25V, SON-8 | QFN-8 | POWER CSD86350Q5D | Texas Instruments |
| 1 | U152 | UCC37324DR | IC, Dual 4-A High Speed Low-Side Power MOSFET Drivers | SO-8 | UCC37324DR | TI |

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