

PMP2165_REVA BOM

| COUNT | RefDes | Value | Description | Size | Part Number | MFR |
|-------|--------|-------------|---|------------------|-------------------|-------------------|
| 1 | C1 | 1000pF | Capacitor, Ceramic, 1000pF, 6.3V, X7R, 10%, 0402 | 0402 | Std | Std |
| 2 | C2 | 1uF | Capacitor, Ceramic, 1uF, 10V, X5R, 10%, 0603 | 0603 | Std | Std |
| 2 | C3 | 47uF | Capacitor, POSCAP, 47uF, 10V, 2A, 20% | 7343(D) | Not Available Yet | Sanyo |
| | C4 | 47uF | Capacitor, POSCAP, 47uF, 10V, 2A, 20% | 7343(D) | Not Available Yet | Sanyo |
| | C5 | 1uF | Capacitor, Ceramic, 1uF, 10V, X5R, 10%, 0603 | 0603 | Std | Std |
| 2 | C6 | 0.1uF | Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402 | 0402 | Std | Std |
| | C7 | 0.1uF | Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402 | 0402 | Std | Std |
| 4 | C8 | 10uF | Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603 | 0805 | Std | Std |
| 4 | C9 | 150uF | Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B | 7343 | 6TSE150MAZB | Sanyo |
| | C10 | 150uF | Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B | 7343 | 6TSE150MAZB | Sanyo |
| | C11 | 10uF | Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603 | 0805 | Std | Std |
| 2 | C12 | 1uF | Capacitor, Ceramic, 1uF, 6.3V, X5R, 10%, 0402 | 0402 | Std | Std |
| | C13 | 10uF | Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603 | 0805 | Std | Std |
| | C14 | 1uF | Capacitor, Ceramic, 1uF, 6.3V, X5R, 10%, 0402 | 0402 | Std | Std |
| | C15 | 10uF | Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603 | 0805 | Std | Std |
| | C100 | 150uF | Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B | 7343 | 6TSE150MAZB | Sanyo |
| | C101 | 150uF | Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B | 7343 | 6TSE150MAZB | Sanyo |
| 3 | J4 | ED1514 | Terminal Block, 2-pin, 6-A, 3.5mm | 0.27 x 0.25 incl | ED1514 | OST |
| | J5 | ED1514 | Terminal Block, 2-pin, 6-A, 3.5mm | 0.27 x 0.25 incl | ED1514 | OST |
| | J6 | ED1514 | Terminal Block, 2-pin, 6-A, 3.5mm | 0.27 x 0.25 incl | ED1514 | OST |
| 1 | L1 | 4.7uH | Inductor, SMT, 4.7uH, 5.5A, 0.040 Ohms | 0.255 x 0.270 | IHLP2525CZER4R | Vishay Dale |
| 1 | L2 | 3.3uH | Inductor, SMT, 3.3uH, 6A, 0.030 Ohms | 0.255 x 0.270 | IHLP2525CZER3R | Vishay Dale |
| 2 | Q1 | Si7110DN | MOSFET, N-Ch, 20V, 17.4A, 0.0078 Ohms, PowerPak 1212-8 | PWRPAK 1212 | Si7110DN | Vishay Siliconix |
| | Q2 | Si7110DN | MOSFET, N-Ch, 20V, 17.4A, 0.0078 Ohms, PowerPak 1212-8 | PWRPAK 1212 | Si7110DN | Vishay Siliconix |
| 2 | Q3 | Si7108DN | MOSFET, N-Ch, 20V, 19.7A, 0.0061 Ohms, PowerPak 1212-8 | PWRPAK 1212 | Si7108DN | Vishay Siliconix |
| | Q4 | Si7108DN | MOSFET, N-Ch, 20V, 19.7A, 0.0061 Ohms, PowerPak 1212-8 | PWRPAK 1212 | Si7108DN | Vishay Siliconix |
| 1 | R3 | 3.92K | Resistor, Chip, 3.92K Ohms, 1%, 0402 | 0402 | Std | Std |
| 1 | R4 | 4.32K | Resistor, Chip, 4.32K Ohms, 1%, 0402 | 0402 | Std | Std |
| 1 | R5 | 5.1 | Resistor, Chip, 5.1 Ohms, 5%, 0402 | 0402 | Std | Std |
| 2 | R9 | 100K | Resistor, Chip, 100K Ohms, 1%, 0402 | 0402 | Std | Std |
| | R10 | 100K | Resistor, Chip, 100K Ohms, 1%, 0402 | 0402 | Std | Std |
| 1 | U1 | TPS51120RHB | IC, Dual Synchronous PWM Controller, QFN | QFN32 | TPS51120RHB | Texas Instruments |
| 1 | XM7000 | STD | Jumper, Through Hole 0.035, | | STD | STD |

- 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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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