1. The netname "P1P1V" represents connection to the +1.1V power plane.
2. The netname "P2P2V" represents connection to the +1.2V power plane.
3. The netname "P1P6V" represents connection to the +1.8V power plane.
4. The netname "DSP_P1P8V" represents connection to the +1.8V power plane for use with the DSP.
5. The netname "P2P5V" represents connection to the +2.5V power plane.
6. The netname "P3P3V" represents connection to the +3.3V power plane.
7. The netname "P3P3V_LP" represents connection to the +3.3V power plane for use with ultra-low power mode.
8. The netname "P5V" represents connection to the +5.0V power plane.
9. The netname "P12V" represents connection to the +12.0V power plane.
10. The netname "GND" represents connection to the ground plane.
11. A "Z" suffix on a signal name indicates an active low signal.
12. All components with designators "U", "Q", and "D" are electrostatic discharge sensitive.
13. All components with designators above 500 are mounted solder side of the board.
14. All resistor values are in ohms.
15. All capacitor values in microfarads unless otherwise specified.
These components are installed for ultra-low power mode.

NOTE: These components are installed for ultra-low power mode.

NOTE: Place regulator near 12V input power filtering. Otherwise, install 0.1uF bypass capacitor on input.
IMPORTANT NOTE: The PCB should be designed such that the specifications are not exceeded when the DDP442x is operated under the maximum current conditions specified in the DDP442x datasheet.
NOTE: This resistor value is dependent upon the CW motor used.
The value range is 0.47 ohms to 2.2 ohms. The target voltage range for the SENSE pin is 100-150mV when the CW is running at a stable speed.

Note: If not using the motor driver on the PMD1000 follow these guidelines for unused pins:
- GMIN (pin 8) – Ground
- OSC (pin 6) – Ground
- SENSE (pin 14) – Ground
- CTAP (pin 13) – VBB
- VM (pin 11) – VBB
- OUTA (pin 12) – No Connect
- OUTB (pin 15) – No Connect
- OUTC (pin 16) – No Connect
- TACH (pin 5) – No Connect
- VMSG (pin 10) – No Connect
- VBB (pin 37) – VBB

NOTE: This resistor value is dependent upon the CW motor used.
The value range is 0.47 ohms to 2.2 ohms. The target voltage range for the SENSE pin is 100-150mV when the CW is running at a stable speed.
NOTE: TRSTZ should be pulled down for production designs.

REALVIEW ICE
JTAG I/F

JTAG BOUNDARY SCAN

ARM TRACE PORT

Test Points, ARM Trace, JTAG, and Reset

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NOTE: TRSTZ should be pulled down for production designs.
Note: TI reference design supports both TSOPII-48 and TSOPII-56 Flash types. The reference design uses a TSOPII-48 Flash part. Please refer to diagram below for pinout and footprint comparison.
Note: Only one connector is needed for production designs (J68 or J20)
Rev B
Sheet 8: Changed R660 and R661 resistor values for new VDD Spec for DLPC4422
Added note about R660 and R661 for DLPC4422

Rev C
Sheet 7: Deleted obsolete D9 and D10 dual package (Red/Green) LEDs. Added D9, D10, and D11 single package discrete Red and Green LEDs.
Updated obsolete X900 crystal device with RoHS compliant replacement.
Sheet 8: Updated obsolete Q2 and Q505 devices with equivalent RoHS compliant replacement.
Sheet 9: Updated obsolete Q1 and Q500 devices with equivalent RoHS compliant replacement.
Sheet 13: Deleted obsolete D11 and D12 dual package (Red/Green) LEDs. Added D12, D13, D14, and D15 single package discrete Red and Green LEDs.
Updated U3 and U16 with equivalent RoHS compliant device.
Sheet 16: Updated U14 with equivalent RoHS compliant device.
Sheet 20: Updated obsolete R536 with equivalent replacement
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