IMPORTANT INSTRUCTIONS

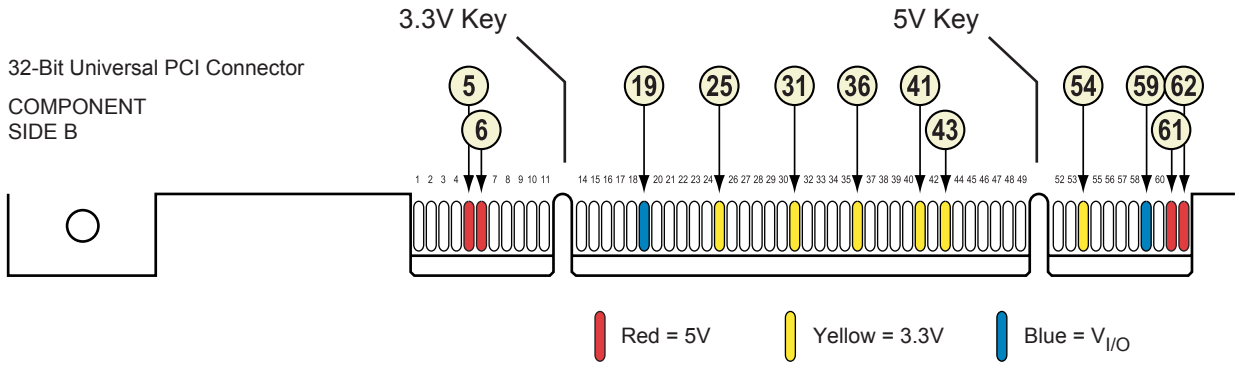
⚠ CAUTION

USE CAUTION when using Universal PCI add-in cards with your ML410 Embedded Development Platform!

- You will **short-circuit and damage** your ML410 board if you plug in a non-compliant Universal PCI add-in card – one that has its 5V power pins connected to the $V_{I/O}$ special power pins – into a 3.3V PCI slot.
- You are responsible for ensuring that your Universal PCI add-in card is compliant with the *PCI Local Bus Specification* version 2.3 (PCI v2.3), section 4.4.1.
- Xilinx is not responsible for any damage due to the use of non-compliant add-in cards.

The ML410 board has both 3.3V and 5V PCI slots and can accept a Universal PCI add-in card into any slot. To prevent damage to your ML410 board, the add-in card *must* comply with PCI v2.3 and drive its I/O buffers from the $V_{I/O}$ special power pins and *not* from 3.3V or 5V power pins.

If your Universal PCI add-in card is powered by non-compliant power connections instead of $V_{I/O}$ connections, *do not* plug it into a PCI slot on the ML410 board.



TEST YOUR UNIVERSAL PCI ADD-IN CARD for PCI v2.3 compliance before using it with the ML410 board:

1. Examine the connector diagram above. Red pins are 5V; yellow pins are 3.3V; and blue pins are the $V_{I/O}$ special power pins.
2. Use an ohmmeter to measure the impedance from $V_{I/O}$ to a 5V pin, and from $V_{I/O}$ to a 3.3V pin. **If you find $V_{I/O}$ shorted to either 3.3V or 5V, do not use this add-in card with the ML410 board.**

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