

**Doing more with the CrossLink-NX PCIe Bridge Board**

Check the Lattice Website at

[www.latticesemi.com/crosslink-nx-pcie-bridge](http://www.latticesemi.com/crosslink-nx-pcie-bridge)

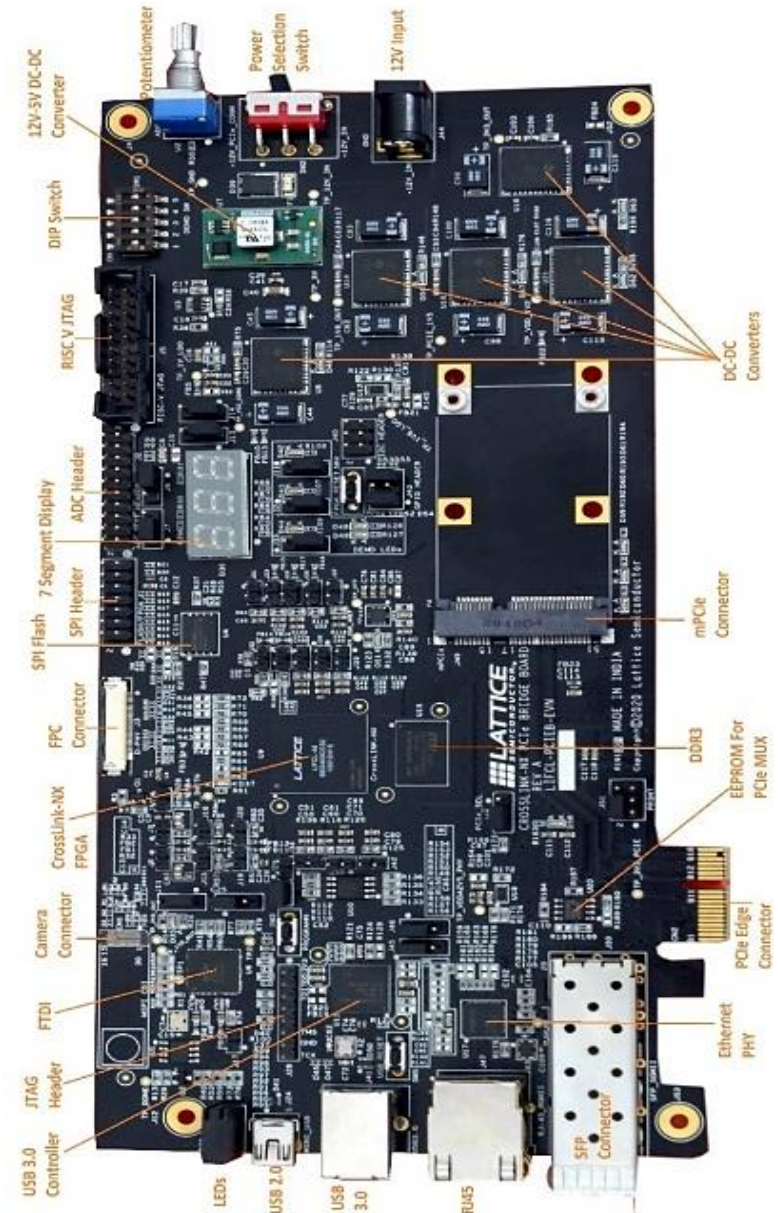
to download the complete User’s Guide, additional Demonstrations and other Resources.

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**Technical Support**

Submit a technical support case through [www.latticesemi.com/Support](http://www.latticesemi.com/Support).



### Check kit Contents

The CrossLink-NX PCIe Bridge Board includes following items

- ◆ CrossLink-NX PCIe Bridge Board
- ◆ 12V Adaptor
- ◆ USB 2.0 Cable
- ◆ USB 3.0 Cable
- ◆ PCIe bracket
- ◆ LAN cable
- ◆ Quick Start Guide

### Installing Software

- ◆ CrossLink-NX PCIe Bridge Board Comes with Pre-programmed SPI FLASH.
- ◆ To develop and program a custom programming solution, download Lattice Radiant Design Software, available at [www.latticesemi.com](http://www.latticesemi.com)
- ◆ To reprogram the board only with an available bitstream, use the Radiant Programmer Standalone software available at [www.latticesemi.com/radiant](http://www.latticesemi.com/radiant)

### Using the CrossLink-NX PCIe Bridge Board

The SPI Configuration Flash on CrossLink-NX Board is pre-Loaded with a demonstration file. Learn how to re-program the board as well as access additional demonstrations at [www.latticesemi.com/crosslink-nx-pcie-bridge](http://www.latticesemi.com/crosslink-nx-pcie-bridge)

### Powering the Board

- ◆ Connect the 12V power adaptor to 12V input (J44) port of card or connect the PCIe Edge connector.
- ◆ Board power is user selectable between 12V input port or PCIe Edge Connector by using Power Selection switch (SW2). Upper side selects the PCIe Edge connector and lower side selects 12V input.

### Observing the Demonstration program

Following Interfaces will be active with Demonstration Program Loaded:

- ◆ 3 Digit-7 segment display
- ◆ Front Panel LEDs (LED 1: Green Blinking, LED 2: Red, Done: Green)
- ◆ D48: Green (User LED connected to DIP switch)
- ◆ D49: Green (User LED connected to DIP switch)
- ◆ D58: Green (PCIe MUX EEPROM Programmed)

**Table 1: Indication LEDs**

LEDs	Signal Name	Color	Purpose
D35	UART_ACT	Green	If Installed Lights in UART mode
D37	INITN	RED	Lights if configuration error
D38-3	DONE	Green	Lights if successful configuration
D63	+3.3V	Green	Lights up when powered ON
D56	+1.8V	Green	Lights up when powered ON
D57	+1.5V	Green	Lights up when powered ON
D62	+1.2V	Green	Lights up when powered ON
D46	+1V(VCC_CORE)	Green	Lights up when powered ON
D51	+0.75V	Green	Lights up when powered ON