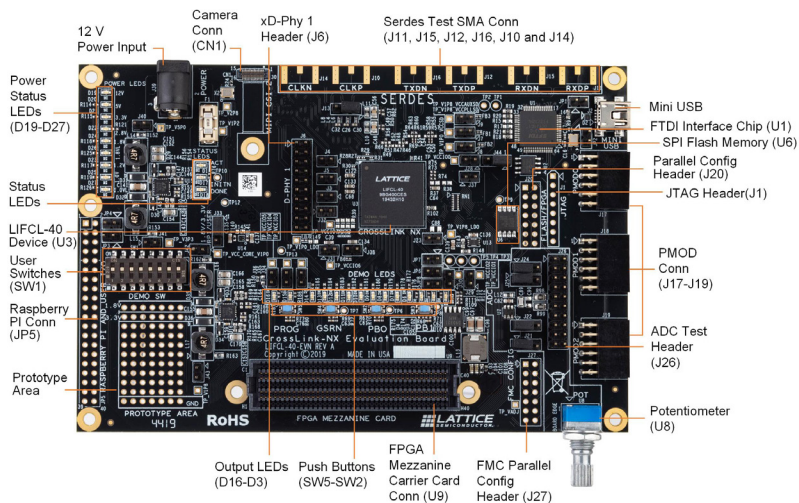


This document provides a brief introduction to CrossLink-NX Evaluation Board.



1

Check Kit Contents

The CrossLink-NX Evaluation Board kit contains the following items

- CrossLink-NX Evaluation Board
- 12V AC/DC Adapter & International Plug Adapters
- USB Cable for Programming via PC (USB-A to Mini-B)
- Limited license with unique serial number for Lattice Radiant development software (optional to use).
- Quick Start Guide

2

Using the CrossLink-NX Evaluation Board

The CrossLink-NX Evaluation Board as shipped supports Master-SPI based configuration. The external SPI Flash Configuration Memory is pre-loaded with a demonstration program described below.

3 Installing the software

The CrossLink-NX Evaluation Board is pre-programmed with a basic demonstration.

To develop your own solutions, download and use the Lattice Radiant design software (version 2.0 or later), downloadable from www.latticesemi.com/software.

In case you need it, this board includes a limited license for Lattice Radiant allowing access to design with the LIFCL-40 FPGA on the board. A unique license number and instructions are included in this kit.

If you only need to re-program the board, you can use the Radiant Programmer standalone software (version 2.0 or later).

4 Powering the Board & Observing the Demo Program

Connect the supplied power adapter to the 12 V DC power input (J39) on the board. Power LEDs (D19-D27) should light, indicating the board is powered. Early I/O demo design is programmed into onboard boot flash (U6), you should observe LED 0 (D3) as mapped an early I/O immediately turns on as soon as 12 V power is supplied to the board. After about two seconds, as configuration is successfully completed, DONE LED (D18) should light up, then LED2 (D5), and LED3 (D6) alternately in a heartbeat pattern.

5 Doing More with the CrossLink-NX Evaluation Board

Check the Lattice website at www.latticesemi.com/boards to download the full User's Guide, the full source code of the default demo, and other resources. You can use the Lattice Radiant software to develop and program your own demos.

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