

 Check Kit Contents

- iCEblink40-HX1K Evaluation Board preloaded with capacitive-sense touch-button demonstration design and USB virtual I/O demonstration
- USB cable
- QuickSTART Guide

- **User LEDs**

 Download and Install iCEcube2 Development Software

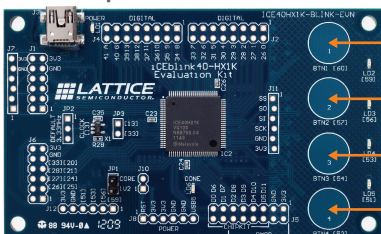
3 Connect the iCEblink40-HX1K Evaluation Board

The iCEblink40 Evaluation Board is functional without the development software or drivers, although ideally you should download and install the iCEcube2 development software first.

Connect the iCEblink40-HX1K board to your PC using the USB cable provided.

- Connect the USB cable provided to a USB port on your PC and to the board's USB interface socket on the top-left corner of the board.
- The iCEblink40 Evaluation Board is pre-programmed and powered through the USB cable. After properly connecting the board, the four green LEDs should light up in a scrolling pattern. Press a capacitive touch button to toggle the LEDs. If no button is pressed within five seconds, the board returns to scrolling the LEDs.

LEDs Scroll Upward

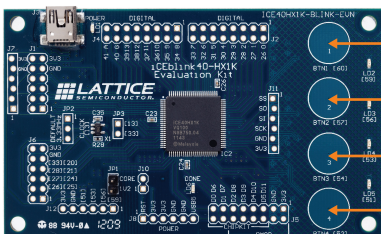


1. Power On

Green LEDs scroll upward.

2. Press any button to enter LED Toggle Mode.

Toggle LED with Button Press



3. Press a button to toggle the associated LED on or off.

If no button is pressed within five seconds, the board returns to Scroll LEDs Mode.

- Additional capabilities, including controlling virtual I/Os from the PC display via USB, are described in the *iCEblink40-HX1K Evaluation Kit User's Guide* available on the Lattice web site at www.latticesemi.com/iceblink40-hx1k.

Note: If Windows prompts you for a USB device driver and you have not already installed the iCEcube2 development software, simply click Cancel. The iCEblink40 Evaluation Board is functional even without the development software or drivers.

4 Done!

Congratulations! You have successfully connected and demonstrated the iCEblink40-HX1K Evaluation Kit. Please refer to the *iCEblink40-HX1K Evaluation Kit User's Guide* at www.latticesemi.com/iceblink40-hx1k for the following:

- Details on additional evaluation board features and operation, including using USB-based virtual I/Os controlled from the PC
- Programming and debugging the iCEblink40-HX1K Evaluation Board with the USB cable
- Modifying and generating the demonstration designs from the iCEcube2 VHDL or Verilog project source files
- Board schematics
- The latest demonstration applications and related design information

Technical Support

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