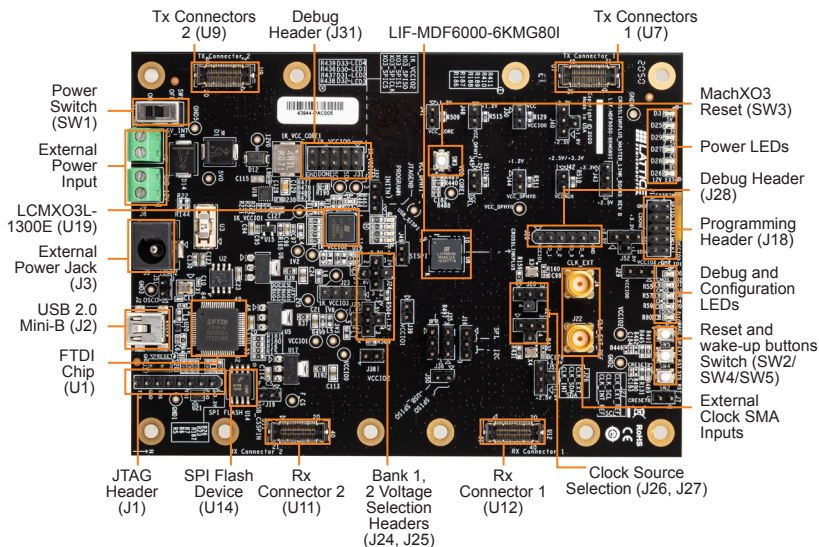


This document provides a brief introduction and instructions to install and demonstrate the LIF-MDF6000 Master Link Revision B Board on Windows 10. Additional documentation can be downloaded at www.latticesemi.com/crosslinkplusmasterlinkboard.



1

Check Kit Contents

The CrossLinkPlus: LIF-MDF6000 Master Link Revision B Board contains the following items:

- LIF-MDF6000 Master Link Revision B Board
- SMA IO Link Board
- Breakout IO Link Board
- USB cable for programming
- 12 V AC adapter power supply
- Quick Start Guide

This kit with the LIF-MDF6000 Master Link Revision B Board can be used to build bridging solutions between various video formats. You can use this hardware to validate your own designs. Along with this, Lattice provides a number of other hardware/demo set-ups to demonstrate the various capabilities for CrossLinkPlus. For more information on these, please go to www.latticesemi.com/crosslinkplusmasterlinkboard.

Programming the CrossLinkPlus device requires Diamond Programmer version 3.12 or later. Diamond programmer can be downloaded from the Lattice web site at www.latticesemi.com/programmer.

2

Run the Demonstration

To set-up the demo:

- Connect 12 V adapter to J2
- Ensure Jumpers J49 and J50 are OPEN
- Also connect Jumpers between pin 2 and pin 3 on both J35 and J36
- Set power switch SW1 to ON
- LEDs D3, D25, D26, D17, D28 and D28 will glow indicating power to the board
- Optional: Connect your PC to the main board via USB cable

The LIFMDF Device is preprogrammed to load a default demo where two of the four LEDs (LEDs D6, D7, D8 and D9) alternate being on. Running the preloaded demonstration does not require connecting the provided USB cables to a PC.

3

Done!

Congratulations! You have successfully demonstrated the default LIF-MDF6000 Master Link board demo. This demo is intended to show basic functionality of the board. This board can be used with additional hardware (available separately) to demonstrate a number of CrossLink video bridging solutions. To learn more about these solutions, and download full documentation for this board, visit the Lattice website at www.latticesemi.com/crosslinkplusmasterlinkboard.

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