MachXO2 Breakout Board

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The MachXO2 Breakout Board is a simple, low-cost board that provides convenient access to densely-spaced IOs. Each I/O on the device is connected to 100-mil header holes. By adding test probes, jumper wires, or pin headers to the board, you can easily evaluate function and performace through the SysIO buffers of the MachXO2.

This board is a 3x3 inch form factor, and features a USB mini-B connector for power and programming, an LED array, and prototype area. A USB cable is included with the kit, and demos area available for download. By using free Lattice design tools, you can reprogram the MachXO2 to review your own custom designs.

New version! As of January 2013 this product has been upgraded to feature the MachXO2-7000HE device. Previous versions of this product featured the MachXO2-1200ZE device. The MachXO2-7000HE gives over 5x the logic capacity in a higher-perfomance FPGA, using the same package/footprint. The material provided on this web page includes some references to the MachXO2-1200ZE version for existing users of that version. If you require a new board with the MachXO2-1200ZE, see the MachXO2 Pico Development Kit.

Front View   Back View   Kit

Features and Contents

Key Board Features

LCMXO2-7000HE-4TG144C device/package
   Note: Previous version of the board featured LCMXO2-1200ZE-1TG144C device/pacakge

Pre-programmed Hardware Test Program (Source is downloadable)

LEDs

Expansion Header Landings

Prototyping Area

USB Mini-B Connector (Program/Power)

JTAG Header Landing

ROHS-compliant

Included in the Kit

MachXO2 Breakout Board

USB Mini Cable for power & programming

QuickStart Instructions

Ordering Information

Ordering Part Number: LCMXO2-7000HE-B-EVN
   Note: This replaces the LCMXO2-1200ZE-B-EVN. During the transition period, orders for the LCMXO2-1200ZE-B-EVN may be upgraded to the LCMXO2-7000HE-B-EVN. If you specifically require the LCMXO2-7000HE-B-EVN, it will be available on the Lattice on-line store in February 2013.

Click here to find an authorized Lattice distributor near you.

Click here to order now from the Lattice on-line store.

Development Resources

Check the links to the left of this page for documentation, demo files, and more.