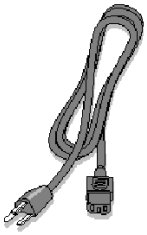
XEVM642 4VSX35 Daughter Card

Set-up Guide

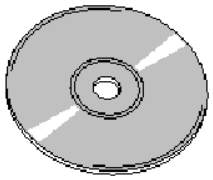
The XEVM642 4VSX35 contains:

Daughter Card

Technical Reference



Power Cord



Driver/Documentation CD ROM

+12V Power Supply

Ethernet Crossover Cable

Compact Flash Memory Card

System Hardware and Software Requirements

These operating platform requirements are necessary to install the Code Composer Studio (CCS) integrated Development Environment and support the XDS510-USB emulator. The requirements for the operating platform are:

Minimum Configuration

- 500 MHz. or faster Pentium or compatible
- 600MB of free hard disk space
- SVGA (640x480) color display
- Local CD-ROM Drive
- Internet access

Recommended

- 500MB of RAM
- SVGA (1024 x 768) color display
- 2GHz. or faster Pentium or compatible
- Internet connection

Supported Operating System CCS 3.x

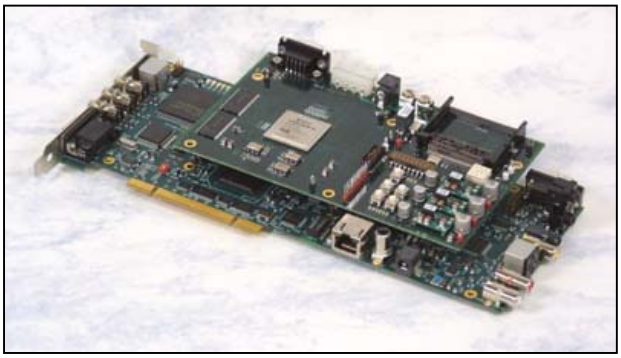
- Windows 2000 Service Pack 4
- Windows XP Pro Service Pack 1&2
- Windows XP Home Service Pack 1&2

12502 Exchange Dr., Ste 440, Stafford, TX. 77477 T:281.494.4505, F:281.494.5310
www.spectrumdigital.com

Overview

The XEVM642 is a daughter card designed to mount on top of a DM642 Evaluation Module. The XEVM642 contains a Xilinx 4VSX35 FPGA. This FPGA can be used to customize and accelerate graphical signal processing algorithms.

Shown below is an example of how the two boards should be attached together.



Tools

The DSP development tools required for the DM642 EVM are a JTAG emulator and Code Composer Studio. For installation instructions for the DM642 EVM, Code Composer Studio, and the JTAG emulator refer to the documentation that came with each product.

The development tools, libraries, and demonstration programs for the XEVM642 may be downloaded from the Xilinx website using the following URL:

http://www.xilinx.com/xlnx/xebiz/designResources/ip_product_details.jsp?key=HW-XEVM642-SX35

Installing the DM642 EVM and XEVM642

Instructions for installing the XEVM642 on the DM642 are explained in chapter 2 of the DM642 EVM Technical Reference Manual. Additional installation information is available in the Xilinx documentation.

CAUTION !

Be very careful when plugging in the power supplies to the 2 boards. +5V should go to the DM642 EVM, +12V should go to the XEVM642

Support

1. Always check the Spectrum Digital web site at ***support.spectrumdigital.com*** for latest drivers, release notes, and tech support. If you are using CCS 3.1 then you can also go directly to the CCS 3.1 page at ***support.spectrumdigital.com/ccs31***. The CCS 3.1 page contains CC setup configurations for many popular Spectrum Digital target boards along with CCS 3.1 specific support information.

12502 Exchange Dr., Ste 440, Stafford, TX. 77477 T:281.494.4505, F:281.494.5310
www.spectrumdigital.com