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ALLIANCE



XILINX[®]

Exemplar Information

Device Architecture Support

FPGA Product Family Spartan Virtex XC4000X

CPLD Product Family XC9500

Recommended Settings

For recommended settings, go to http://www.xilinx.com "Product" → "Software Solutions"

Xilinx **Contacts and Technical Support**

World Wide Web: http://www.xilinx.com North America 1-800-255-7778 hotline@xilinx.com **United Kingdom** 44 1932-820821 ukhelp@xilinx.com

France 33 1-3463-0100 frhelp@xilinx.com Japan 81 3-3297-9163 jhotline@xilinx.com

Exemplar **Contacts and Technical Support**

World Wide Web: http://www.exemplar.com Tom Hill, Xilinx Relationship Manager 1-503-685-7750 Hoa Dina, Technical Support Manager 1-510-337-3700

HDL Library and Language Support

HDL Libraries meet all the HDL Standards IEEE 1076, -87, & -93, IEEE 1164 VHDL OVI 2.0 and Verilog-XL Libraries include: • std logic 1164

• std_logic_arith • std_logic_signed

• std_logic_unsigned • attributes

Guide Overview

Invoke Leonardo Spectrum

Invoke the Leonardo Spectrum synthesis tool When the dialog box appears, select Leonardo Spectrum Level X as appropriate.

Synthesis Wizard for New Users

When the tool first invokes, a synthesis wizard will appear. The wizard provides a step-by-step guide through the synthesis process for new users.

Tab-based GUI for Advanced Users

For advanced users, cancel wizard. The full featured tab-based GUI of Leonardo Spectrum Level X window will appear. There are two ways of using tab-based GUI: Use Ouick Setup or use individual tabs until output which provide more control and options.

Specify Input Files

To instantiate any Xilinx component, Click right mouse button to Set Technology All on input file.

Select Target Architecture

Select Target device and speed grade.

Synthesis Commands

Use individual tabs to set up options and constraints with more control. Please refer to the online documentation for information on how to specify options and constraints.

Synthesize

Push Run Flow button to synthesize.