

Digilent Pegasus Board

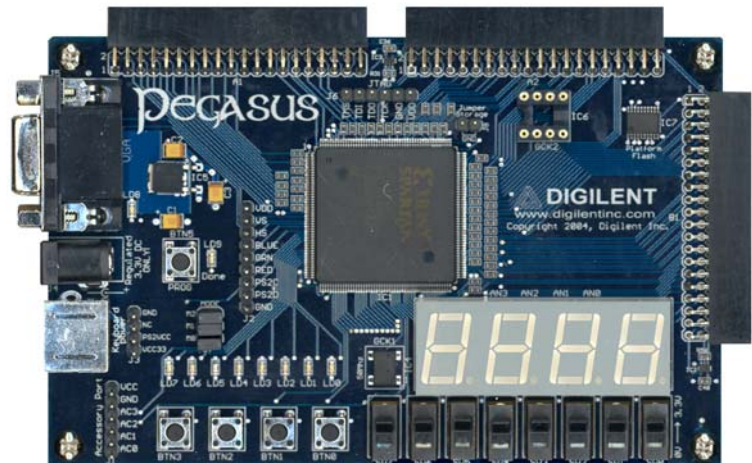
Revision: November 5, 2004



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The Pegasus board provides an “all-in-one” circuit development platform that is ideally suited to learning engineers at all levels. With its large FPGA (50K gates) and on-board I/O devices and ports, the Pegasus board is suitable for designs ranging in complexity from simple logic circuits to complex digital systems. The board contains the new JTAG-programmable System Flash from Xilinx, so designs can easily be made non-volatile. The Pegasus board is fully compatible with all versions of the Xilinx ISE tools, including the free WebPack. It ships with a power supply and a programming cable, so designs can be implemented immediately with no hidden costs.



Now every student can have a state-of-the-art development system right on their desktop.

FEATURES AND BENEFITS

- Xilinx XC2S50 FPGA with 50,000 gates and 200+MHz operation (-200K gate version available)
- 140 user I/O's routed to on-board devices and three 40-pin expansion connectors
- JTAG-programmable XCF02S Platform Flash ROM stores FPGA configurations indefinitely (XCF02S for 200K version)
- Three on-board 1A voltage regulators (2.5V core, 3.3V I/O, and 5V for PS/2 port)
- Surface-mount 50MHz oscillator and a socket for a second oscillator
- JTAG programming port and cable
- 8 LEDs, 4-digit seven-segment display, 4 pushbuttons, 8 slide switches, PS/2 port, and 3-bit VGA port

APPLICATIONS

- Ideal platform for learning engineers at all levels
- Can be used to implement a wide range of digital circuits without any other components needed

