

Digilent D2SB System Board

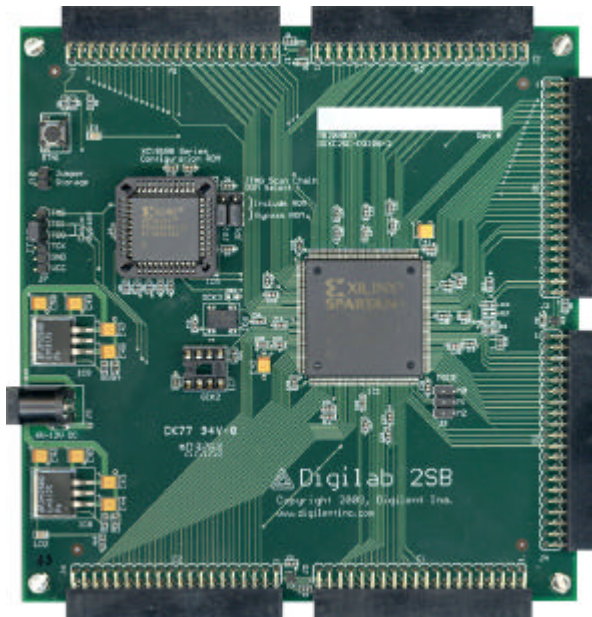
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The Digilent D2SB FPGA-based development board provides a very low cost and expandable platform on which to design and implement digital circuits of all kinds. The D2SB features a Xilinx Spartan 2E-200 FPGA in a PQ208 package - enough gates and I/O's to implement a wide range of digital circuits. The D2SB provides an ideal platform for developing controllers or other general-purpose circuits with minimum effort. When combined with our other peripheral boards, complex systems can be readily constructed. The D2SB is fully compatible with the free WebPack software from Xilinx, and it ships with a power supply and programming cable so designs can be implemented immediately without any further costs.



FEATURES AND BENEFITS

- A Xilinx XC2S200E-200 FPGA with 200,000 gates and 200+MHz operation
- All 143 available user I/O's routed to six 40-pin expansion connectors
- A socket for a JTAG-programmable 18V02 Flash ROM
- Dual on-board 1.5A power regulators (1.8V core and 3.3V I/O)
- A surface-mount 50MHz oscillator and a socket for a second oscillator
- A JTAG programming port and programming cable
- A status LED and pushbutton for basic I/O

APPLICATIONS

- General logic and sequential circuits of all kinds
- Embedded-core processor design (e.g., Xilinx MicroBlaze)
- General digital systems and controllers
- Application specific DSP solutions

