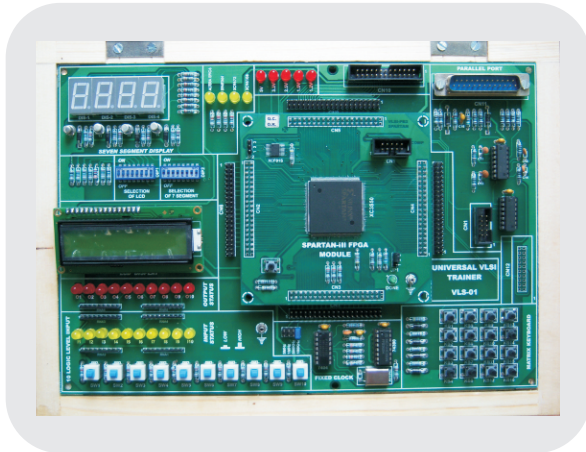


## VLS-01 UNIVERSAL VLSI (FPGA/CPLD) KIT



**VLS-01** is a FPGA/CPLD based VLSI Board for implementing various digital design for any Embedded applications.

### Feature

- ◇ Supported Piggy Bag Modules:
  - › Piggy Bag XILINX XC9572 CPLD (optional)
  - › Piggy Bag XILINX XC95108 CPLD (optional)
  - › Piggy Bag XILINX SPARTAN XC3S50 FPGA (optional)
  - › Piggy Bag XILINX SPARTAN XC3S50 FPGA (optional)
- ◇ Indicators
  - › 16 input switch with LED indication to indicate logic low and logic high
  - › 16 LED for output indication.
- ◇ Onboard Interfaces
  - › 4 Digit Seven Segment Displays
  - › 16x1 Alphanumeric LCD Display.
  - › 5x4 Keys Keyboard Matrix.
- ◇ ISP Programmer for Piggy Bag Module
- ◇ Clock generator
  - › On-board 10MHz, 5MHz, 1MHz, 100KHz & 100Hz.
- ◇ Power selection : On-board of 5V, 3.3V, 2.5V, 1.5V & 1.2V.
- ◇ Power on Reset and configuration reset key.
- ◇ I/O expansions are provided through 26 pin FRC Connector for other application interface.

- ◇ All IC's are mounted on IC Sockets.
- ◇ Bare board Tested Glass Epoxy SMOBC PCB is used.
- ◇ In-Built Power Supply of +5V/1.5A, ±12V/250mA
- ◇ Attractive Wooden enclosures of Light weight Australian Pine Wood.
- ◇ User's Manual with 25 sample experimental programs.

### OPTIONAL

- ✦ Piggy Bag XILINX XC9572 CPLD
- ✦ Piggy Bag XILINX XC95108 CPLD
- ✦ Piggy Bag XILINX SPARTAN XC3S50 FPGA
- ✦ Piggy Bag XILINX SPARTAN XC3S400 FPGA

*Note : Specifications can be altered without notice in our constant efforts for improvement.*