

# Snap On Board IR Receiver

The IR Receiver Snap On Board is especially designed to provide IR interface for any development board having Santa Cruz Header. The board contains four IR sensors (TSOP1738), four-way DIP switch, two seven segment LED display, one user define LED, and SantaCruz Headers. The board Senses the IR Signal transmitted by the transmitter such as IR Keyboard, IR Remote Control and demodulates the Signal and gives output to the FPGA which are then processed to retrieve the information.



## Board Features

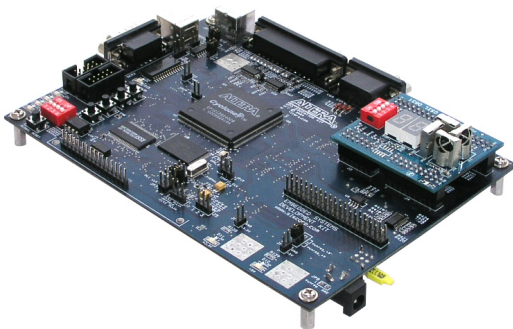
- Provides IR interface
- Receives signals from omni-direction
- Supports Sensor Range at 10m
- Reduces cost and increases reliability for data communication
- Snaps on SantaCruz Connector
- Runs on UP3 System at 5V
- Supports Simplex IR Keyboard Communication
- Supports all data format (NEC, Sharp, RC5 & RC6 Code etc.) of IR Remote Control

## Deliverables

- IR Receiver Snap On board
- IR Keyboard
- Installation CD
  - Reference design for UP3
  - Tutorials
  - Reference Manual
  - Board demonstration

## Example Usage

Figure below shows the IR Receiver Snap On board on the ESDK board.



## Block Diagram



For more information on IR Receiver Snap On board, visit <http://www.slscorp.com/pages/irsls.php>