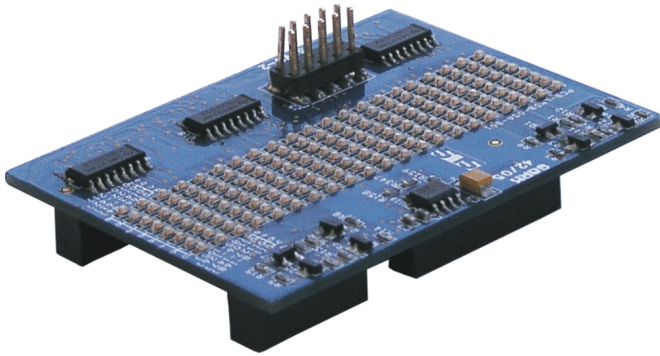


# Snap On Board LED Matrix

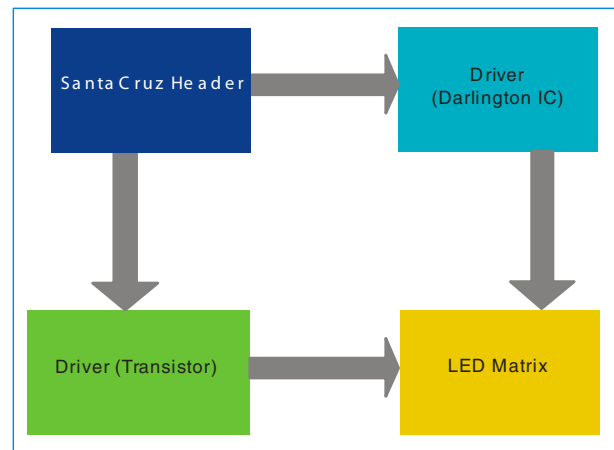
The LED Matrix Board is designed to provide an external display interface to the development boards having Santa Cruz expansion headers. It extends the Embedded system with a display interface for scrolling message display as well as to test the design outputs using 168 user definable LEDs. In addition to this, it can also be used in gaming application.



## Board Features

- Snaps On to SantaCruz connector
- High voltage High current Darlington array (ULN20003A)
- 21x8 Led Matrix (In Order to meet the standard character size of 5x7)
- General Purpose User IOs

## Block Diagram



## Deliverables

- LED Matrix Snap On Board
- Installation CD
  - Reference design for UP3, DE1 and DE2
  - Tutorials
  - Reference Manual
  - Board demonstration

## Applications

- LED patterns display: scrolling or stationary
- Makes available 168 user definable output LEDs for on-board design testing and debugging on any Altera development board with SantaCruz headers

For more information on LED Matrix Snap On board, visit <http://www.slscorp.com/pages/ledsls.php>