FEATURES

- 21x8 led matrix (In Order to meet the standard character size of 5x7)

- Female 7x2 headers, female 10x2 headers, female 20x2 headers that snaps on to Altera Santa Cruz Headers.

- ULN20003A- High voltage-High current Darlington array.

APPLICATION SOFTWARE
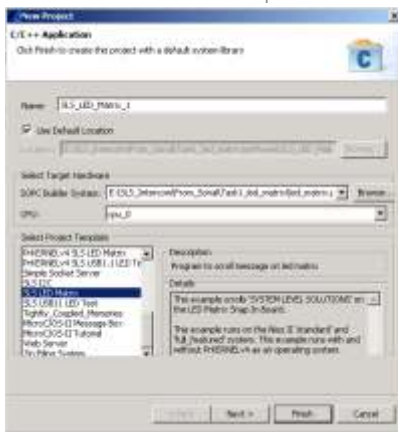
Simple Application

This software uses the Timer Interrupt to scroll messages on Snap on board.

Peripherals used:
- UART or JTAG UART
- LED Matrix Snap On

Requirements:
- Nios II (Standard, Full Featured, Fast) or Cyclone development boards.

OS Based Application

The software runs on PrKERNELv4 RTOS and uses the timer interrupt to scroll messages on Snap on board.

Peripherals used:
- UART or JTAG UART
- LED Matrix Snap On

Requirements:
- Nios II (Standard, Full Featured) or Cyclone development boards.
- PrKERNELv4 RTOS , Periodic System Timer

APPLICATIONS

1. LED patterns display: Scrolling or Stationary

2. Makes available 168 user definable output LEDs for on-board design testing and debugging on any ALTERA development board with Santa Cruz headers.

System Level Solutions

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