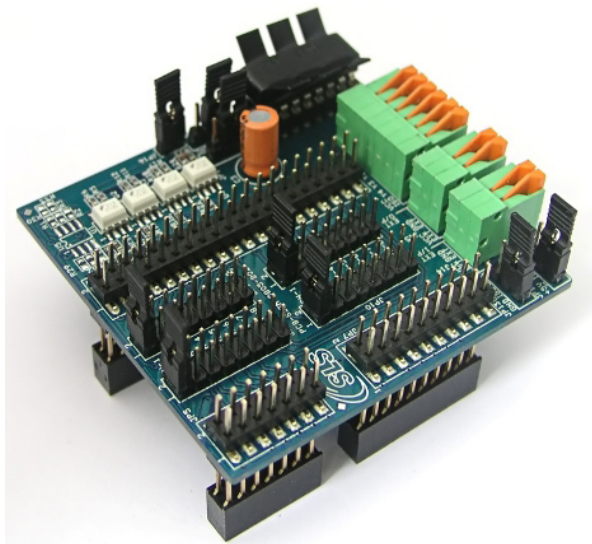


Snap On Board Stackable Stepper Motor Controller

The Stackable Stepper Motor Snap On board is designed to provide the stepper motor interface (isolated/non-isolated) to the development boards having SantaCruz short expansion headers. This board snaps on to the SantaCruz connectors on the base development board and gives isolated/non-isolated interface to drive the stepper motors of different ratings.

The Stackable Stepper Motor Snap On board is designed to snap on Altera Standard SantaCruz header. If you have a DE1 or a DE2 board you can use E-Gasket, a SantaCruz to DE1/2 header converter.



Deliverables

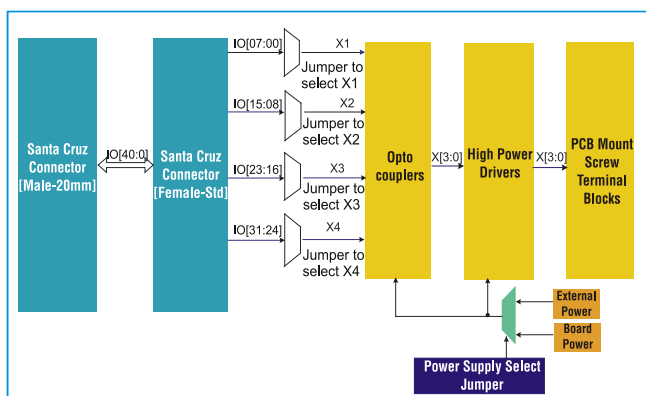
- Stackable Stepper Motor Controller Snap on Board
- Installation CD
 - Reference design for UP3, DE1 and DE2
 - Tutorials
 - Reference Manual
 - Remote Drive application

The Remote Drive application demonstrates the usage of Stackable Stepper Motor Controller board and IR Receiver board with DE1/DE2 board. To know more about the application refer, Remote Driver Quick Start Guide provided with the package.

Board Features

- Snaps on to SantaCruz connector (short expansion)
- Provides provision for connecting stepper motors of different ratings
- Supports cascading of up to 8 Snap On boards, which can control a total of 8 stepper motors of different ratings simultaneously
- Spring terminals for motor connections
- Small form factor
- Four driver outputs (Y1, Y2, Y3 and Y4) for four windings of the stepper motor, which can be configured for any customizable use depending upon application requirement
- Provides platform for the development of stepper motor controller with any type of user interface that is limited only by peripheral set available on the base board and Snap On board
- Provides platform for the development of stepper motor controller with any type of control action and stepping action desired that is limited only by the stepper motor being used
- Capable of driving stepper motor using +5V supply obtained from SantaCruz headers (eliminating requirement of using external supply)
- Provision for using external supply to drive stepper motor of different voltage rating

Block Diagram



For more information on Stackable Stepper Motor Controller Snap On board, visit <http://slscorp.com/pages/steppermotorsls.php>