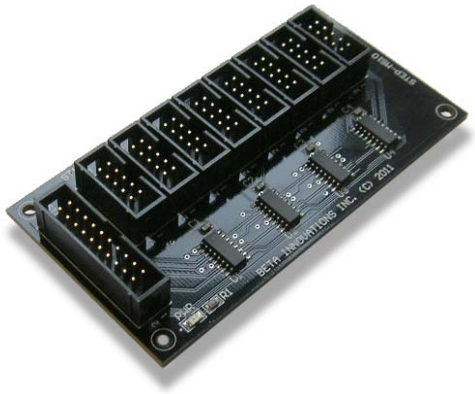
The STEP-MS8 card is designed to control up to eight stepper motors with up to a maximum of 2000 PPS (pulses per second).

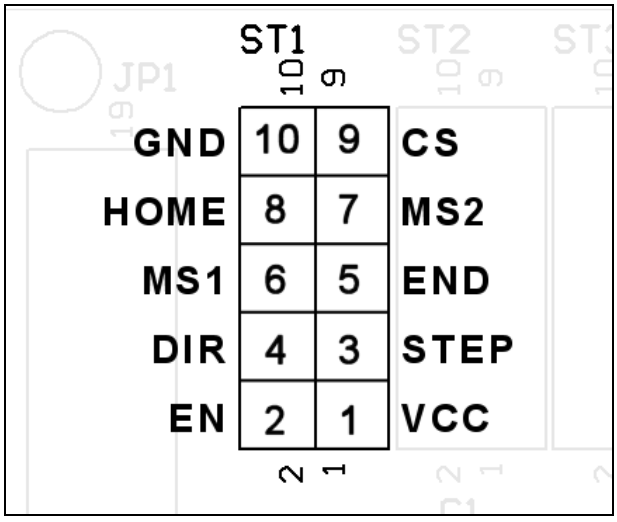


Features:

- 8 channels
- Up to 2000 PPS per channel
- Separate step and direction pins making it compatible with most COTS driver cards
- Supports 2 limit switch inputs (home & end)
- Powered by the ElectronFlux

Connecting the STEP-MS8 card:

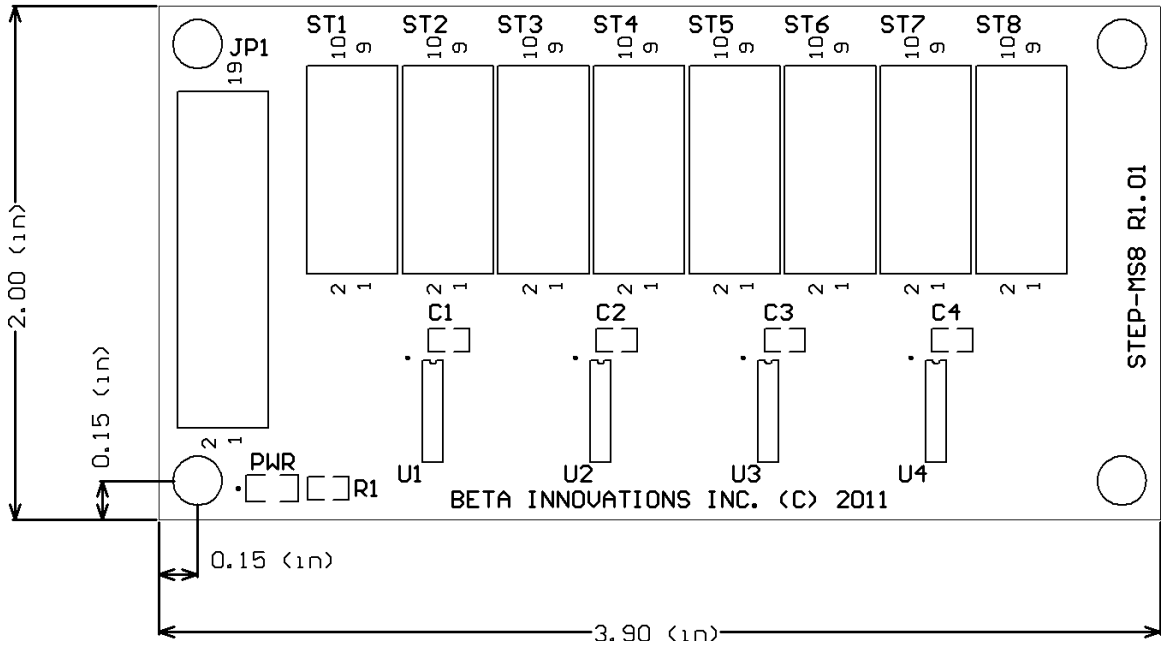
1. Set the ElectronFlux output port to *Stepper* mode in the Device Manager utility.
2. Set the various channel options for each stepper motor as required on the *Stepper Mode* tab.
3. Connect port *JP1* on the STEP-MS8 card to the ElectronFlux port using a keyed 20 pin IDC ribbon cable.
4. Connect your STEP-MS driver cards to the *ST1-ST8* ports on the card using 10 pin IDC cables. See STEP-MS user manual for details on connecting stepper motors to your cards.
5. If you are using COTS driver cards, use the following pinout for all your connections.



VCC: 5V output.
EN: Stepper driver enable pin. Leave unconnected if the driver card does not support an enable signal.
STEP: step signal output.

DIR: direction signal output.
END: end stop input signal. This input is active low with built-in pull-up. Leave unconnected if not required. Be sure to deactivate this option for the specified channel in the Device Manager if not used.
MS1-MS2: micro-stepping outputs. Leave unconnected if your driver card does not support micro-stepping control.
HOME: home index input signal. This input is active low with built-in pull-up. Leave unconnected if not required. Be sure to deactivate this option for the specified channel in the Device Manager if not used.
CS: Chip select line. Leave this pin unconnected.
GND: common ground. Connect this pin to the ground on the driver card.

Mechanical Specifications:



Visit www.betainnovations.ca for the availability of expansion modules and accessories.