



Sentinel Breakout Board, rev A
Quick Setup Guide
Pin functions are listed from top to bottom

Encoder Connections

- 5V - Encoder Power
- B - Encoder Quadrature B Input
- A - Encoder Quadrature A Input
- I - Encoder Index Input
- GND - Encoder and Analog Device Common

Analog Input Connections

- GND - Analog and Encoder Power Common
- AIN - 0 - 3.3VDC or 0 - 5VDC Analog Input Voltage Range
- VA+ - Analog Device Power - 3.3 or 5VDC (SJ2 setting)

Limit Switch Connections

- FWD - Forward Limit Switch
- REV - Reverse Limit Switch
- GND - Limit Switch Common

Jumper Settings (Default: SJ1 - 0-5VDC; SJ2 - 5VDC)

- SJ1 - Analog Input Range Select
 Closed = 0 - 5VDC; Open = 0 - 3.3VDC
- SJ2 - Voltage Select for Analog Device Power (at VA+)
 Left & Center Closed = 5VDC; Right & Center Closed = 3.3VDC

LEDs

- GRN - 3.3VDC and 5VDC Power Present (from Talon SRX)
- YLW - Quadrature and Index Inputs (lit when input is low)
- RED - Limit Switch Inputs (lit when input is low)