

Start-Up Kit QCI-SKB-N2-EE Setup Instructions

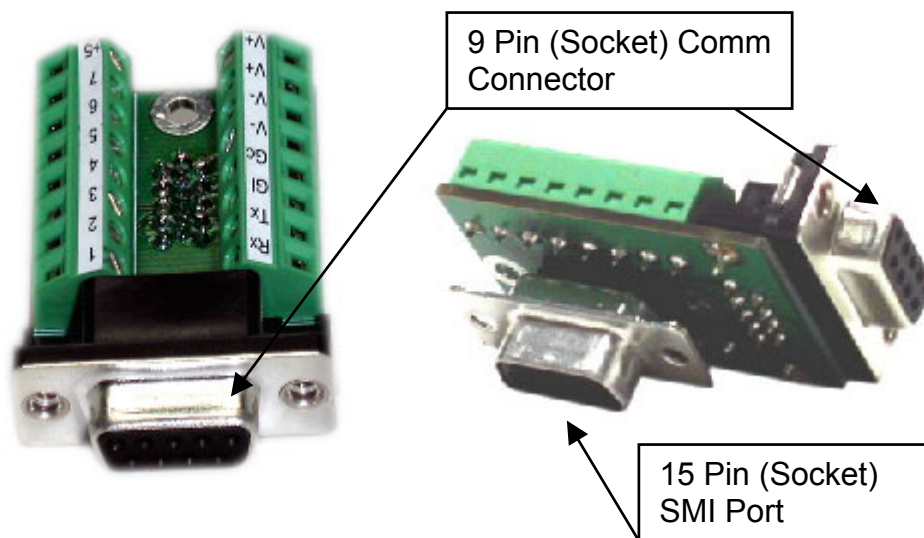
This SilverLode Start-Up Kit provides a simple means to evaluate and prototype an I-Grade SilverNugget N2 controller/driver (included). The Basic Breakout Module (QCI-BO-B) connects directly onto the SMI port on the SilverNugget, which breakouts the servo's power, I/O, and communications plus easy connection to a PC serial port.

This kit includes:

Note: Motor Not Included

- SilverNugget N2 (QCI-N2-E3-04-EE) & Datasheet (QCI-DS005)
- QuickControl Software CD (QCI-QC)
- User Manual & Command Reference (QCI-SLM)
- Basic Breakout Module (QCI-BO-B) & Tech Doc (QCI-TD036)
- Communication Cable (QCI-C-D9M9F-6)
- 4' DB15HD Motor I/F Cable (QCI-C-D15P-D15S-4)
- Start-Up Kit Setup Instructions (QCI-TD042)

Basic Breakout Module (QCI-BO-B)

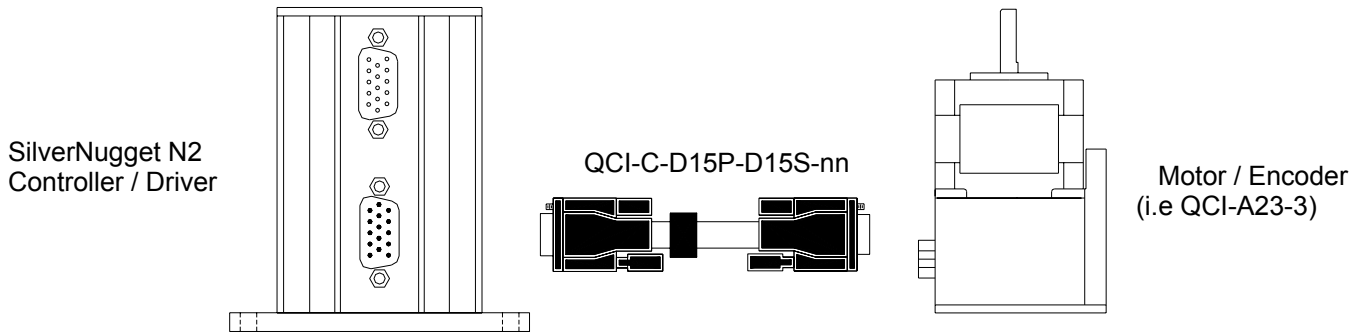


Technical document QCI-TD036 contains details on the Basic Breakout Module specifications.

Connections refer to the I-Grade SilverNugget N2 controller / driver - used with NEMA 17 or 23 frame motors.

Warning: Make sure the power supply is OFF before making any connections

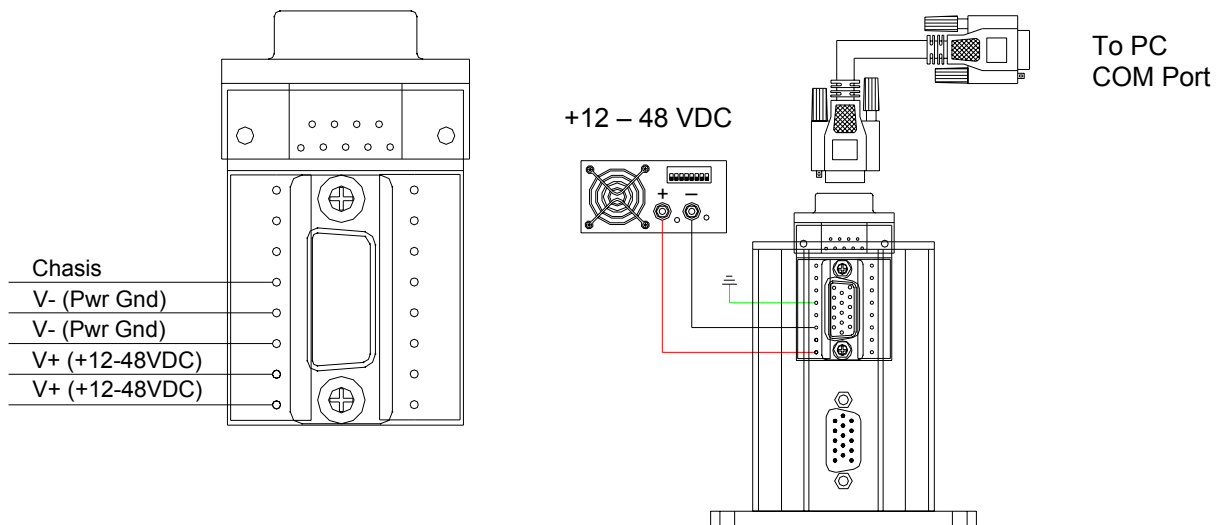
1. Connecting the SilverNugget N2 to a 17 or 23 frame motor/encoder using the motor interface cable (QCI-C-D15P-D15S-nn).
 - a. Attach the pin side of the motor interface cable to the SilverNugget SMI port.
 - b. Attach the other side of the motor interface cable to the motor/encoder DB15.



2. Connecting the power supply, Basic Breakout Module and PC COM port using the communication cable (QCI-C-D9M9F-6).
 - a. Connect the Basic Breakout onto the SilverNugget's SMI port.
 - b. Connect the pin side of the communication cable to the Basic Breakout DB9.
 - c. Connect the other end of the communication cable to the PC COM port.

*Power supply wires not provided.

- d. Wire the positive terminal of the PS to the Basic Breakout V+ and the negative terminal of the PS to V-.
- e. Wire earth ground to the Basic Breakout's Chassis terminal.



3. Install QuickControl® and initialize servo (see Getting Started in the User Manual).

Typical System Setup:

