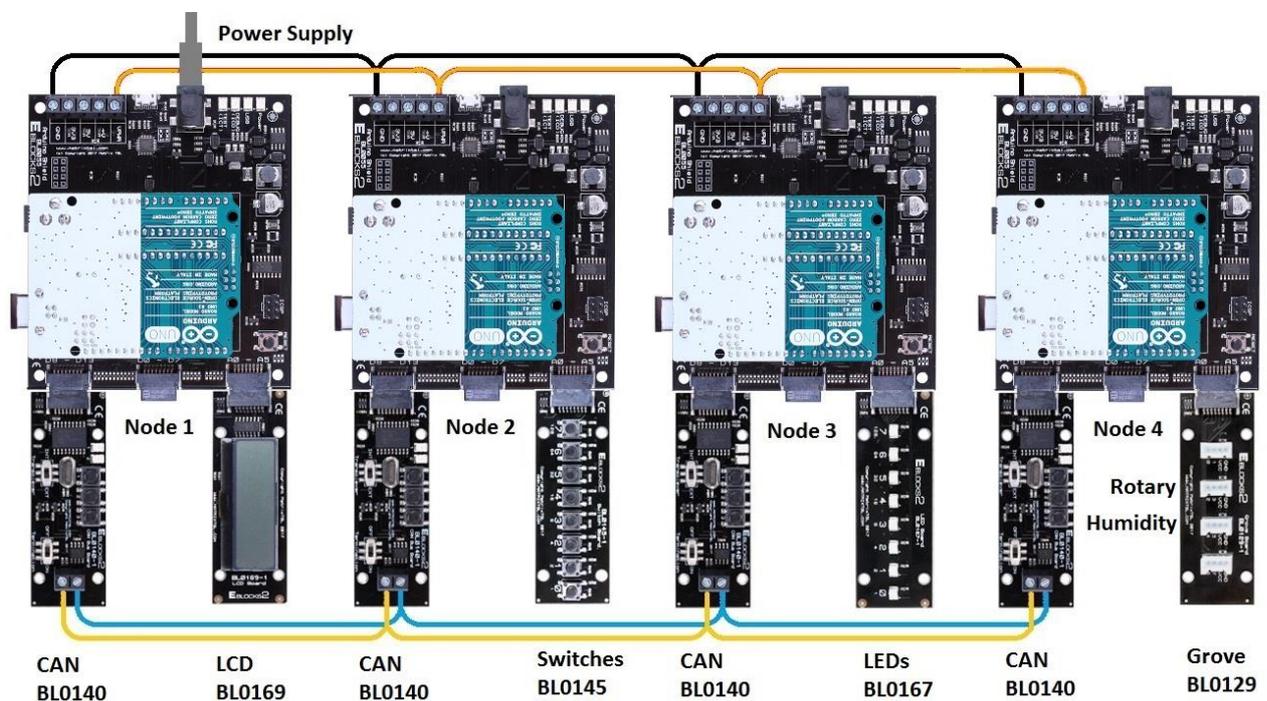


Test Procedure Document for BL0587 (Arduino) CAN Bus Solution

Equipment Required:

- BL0587 (Arduino) CAN Bus Solution under test (four trays)
- Power Supply set to 9V
- PC with mLoader software and the test hex files
- USB cable (to transfer hex files to the Arduino module of each node)



Test Setup:

- Connect the four panels with the wiring harness as shown
- For all Nodes set the Transceiver switch to EXT
- For Nodes 1 and 4 set the Termination switch to On
- For Nodes 2 and 3 set the Termination switch to Off
- Connect the power supply to Node 1
- Connect the USB cable from the PC to each node Arduino USB socket in turn
- Run the mLoader software on the PC, load and send the files to the programmer boards
 - Display_Node_1.hex
 - Switch_Node_2.hex
 - LED_Node_3.hex
 - Sensor_Node_4.hex

Test Procedure:

- Test Node 1 and Node 4 by moving the Grove Rotary Potentiometer and watch for a corresponding change on the Node 1 display.
- Test Node 2 and Node 3 by pressing switch 0 on Node 2 and watching for a signal on LED 0 on Node 3.

Test Completion:

- Remove the Power Supplies and USB cables