



Test Procedure for the NCV74300V3GEVK Evaluation Kit

- Confirm the NCV7430 Evaluation Software is installed on your windows computer.
- Connect the power supply of the USB2LIN communication board into 110V.
- Connect the USB2LIN board to the computers USB port.
- Connect the USB2LIN board to the NCV7430 boards Master_in input.
- Connect external LEDs from the VDD post (anode) to the Red, Green, and Blue posts (cathode).
- Start the NCV7430 Evaluation software.
 - Select Device 0 (USB Serial Cable A).
 - Hit OK.
- A yellow box (AD0) should be highlighted in the list of nodes. Click on this box. It should turn green.
- Under the Set LED control box,
 - Activate radio buttons for:
 - LEDs Enable On.
 - LED1 On.
 - LED2 On.
 - LED3 On.
 - Click the Transmit button.
- Under the Set color control box,
 - Activate the radio button for LEDs Enable On.
 - Slide LED1 (Red) to its maximum (25).
 - Slide LED2 (Green) to its maximum (25).
 - Slide LED3 (Blue) to its maximum (25).
 - Click the Transmit button.
- Confirm each external LED is on (all three LEDs should be on at their highest intensity).
- Note there is no test associated with the BIAS (BALLAST) switch node as it can only be performed once in the OTP by the customer.