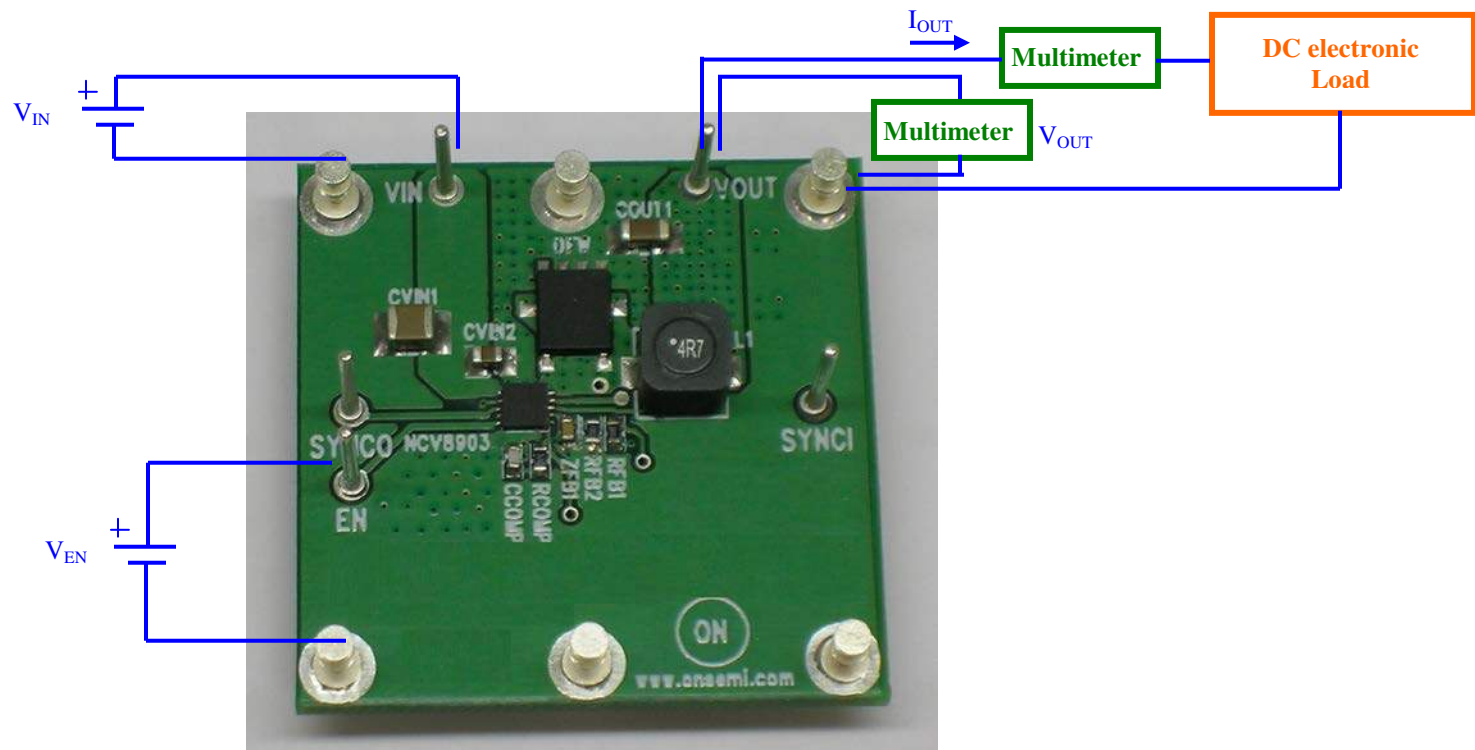


Test Procedure for the NCV890231 DEMO BOARD REV 1.0



Required Equipment

2 x DC voltage source
1 x DC electronic load
2 x Multimeters

Test Procedure:

1. Connect the test setup as shown above.
2. Make sure the load is not enabled.
3. Apply an enable voltage $V_{EN}=0V$. Apply an input voltage, $V_{IN} = 13.2 V$. V_{OUT} *should be 0V*.
4. Apply an enable voltage $V_{EN}=3V$. Verify that the *output voltage is 3.3 V +/-0.15 V*.
5. Set up the **load to 1.6A** and **enable** it. Verify that the *output voltage is still 3.3 V +/-0.15 V*.
6. Change the **input voltage to 36 V**. Verify that the *output voltage is 0 V*.
7. Change the **input voltage to 6 V**. Verify that the *output voltage is 3.3 V +/-0.15 V*.
8. Change the **input voltage to 3.9 V**. Verify that the *output voltage is 0 V*.
9. Change the **input voltage to 6 V**. Verify that the *output voltage is 3.3 V +/-0.15 V*.
10. Apply an enable voltage $V_{EN}=0V$. V_{OUT} *should be 0V*.
11. Turn off the DC sources.