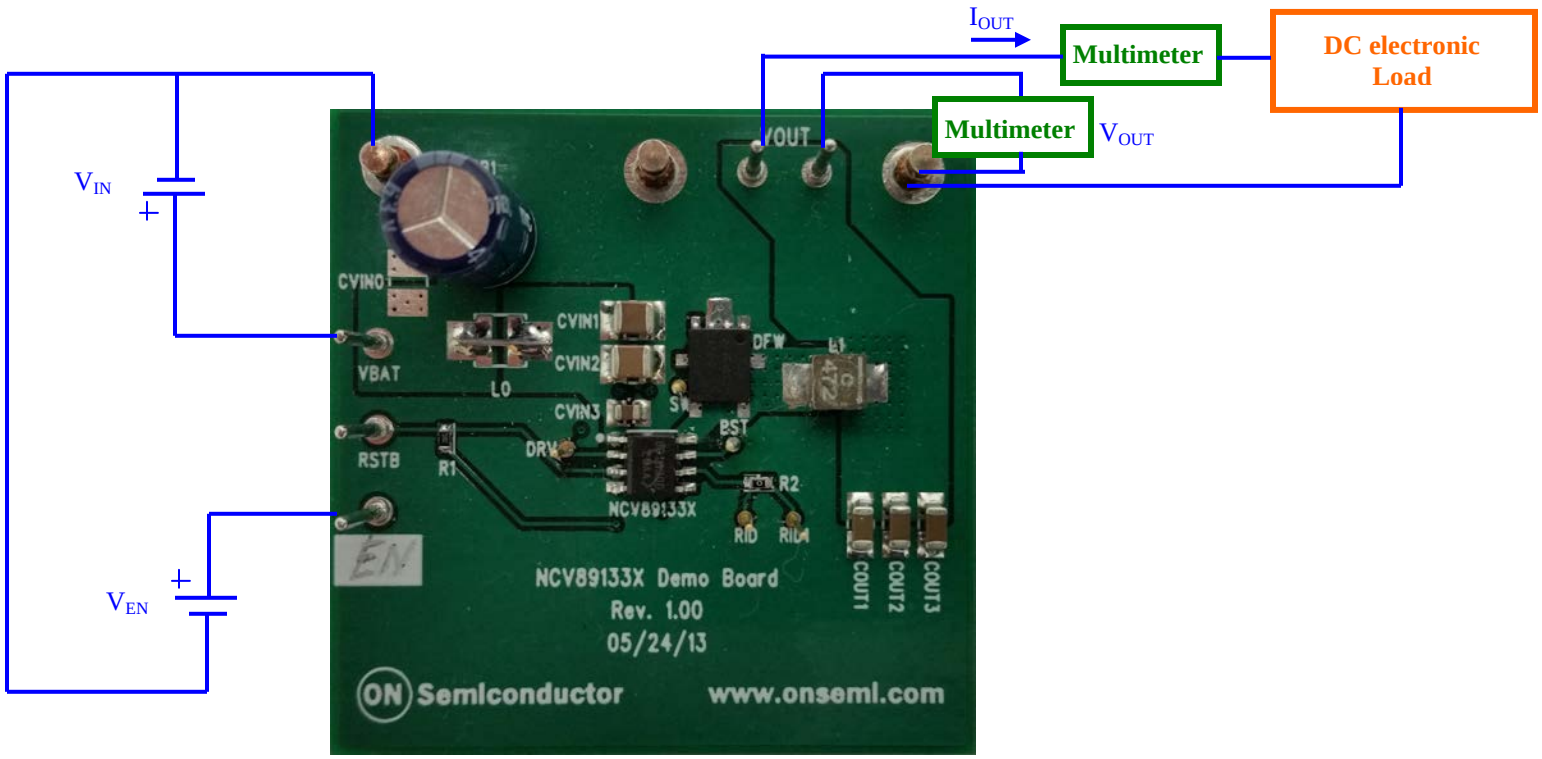
Test Procedure for the NCV891330-5.0V DEMO BOARD



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 5.0 V +/-0.1 V***.
5. Set up the **load to 2.5A** and **enable** it. Verify that the ***output voltage is still 5.0 V +/-0.1 V***.
6. Change the **input voltage to 39 V**. Verify that the ***output voltage is 0 V***.
7. Change the **input voltage to 36 V**. Verify that the ***output voltage is 5.0 V +/-0.1 V***.
8. Change the **input voltage to 3.8 V**. Verify that the ***output voltage is above 2.5 V***.
9. Change the **input voltage to 3.0 V**. Verify that the ***output voltage is 0 V***.
10. Change the **input voltage to 6.5 V**. Verify that the ***output voltage is 5.0 V +/-0.1 V***.
11. Apply an enable voltage **V_{EN}=0V**. ***V_{OUT} should be 0V***.
12. Turn off the DC sources.