

TEST PROCEDURE FOR NCP163 AND NCV8163 EVALUATION BOARDS

This test procedure provides guidelines to verify EVB functionality.

1. QUIESCENT CURRENT

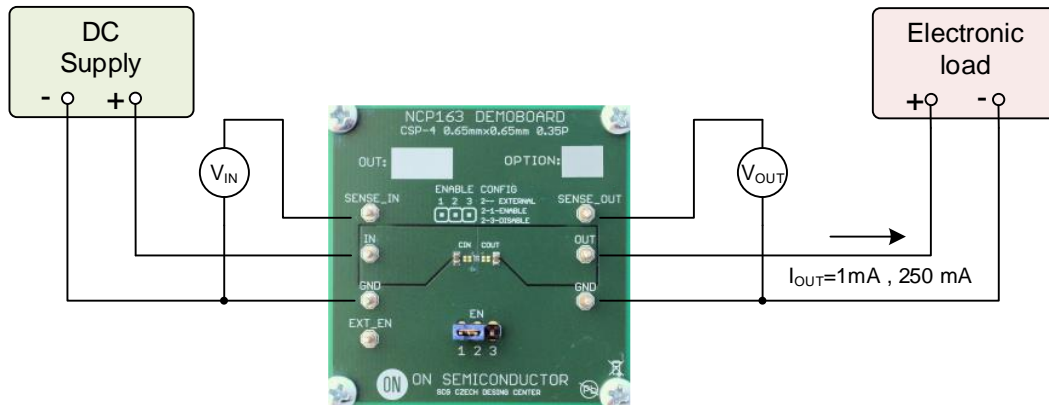


Figure 1: Test configuration for measurement V_{out}

1. Connect circuit as shown figure on 1
2. Apply voltage at V_{input} . Default test V_{input} is $V_{out_nom}+1 V$ or $2.2 V$ whichever is greater
3. Set electronic load to 1mA and turn-on.
4. Check V_{OUT} . It must be within specification $\pm 2\%$.
5. Turn-off the load.
6. Set electronic load to 250mA and turn-on.
7. Check V_{OUT} . It must be within specification $\pm 2\%$.
8. Measurement is finished. Disconnect supply voltage.

**Note – If the voltage is out of specification, check V_{OUT} on oscilloscope for an oscillation*