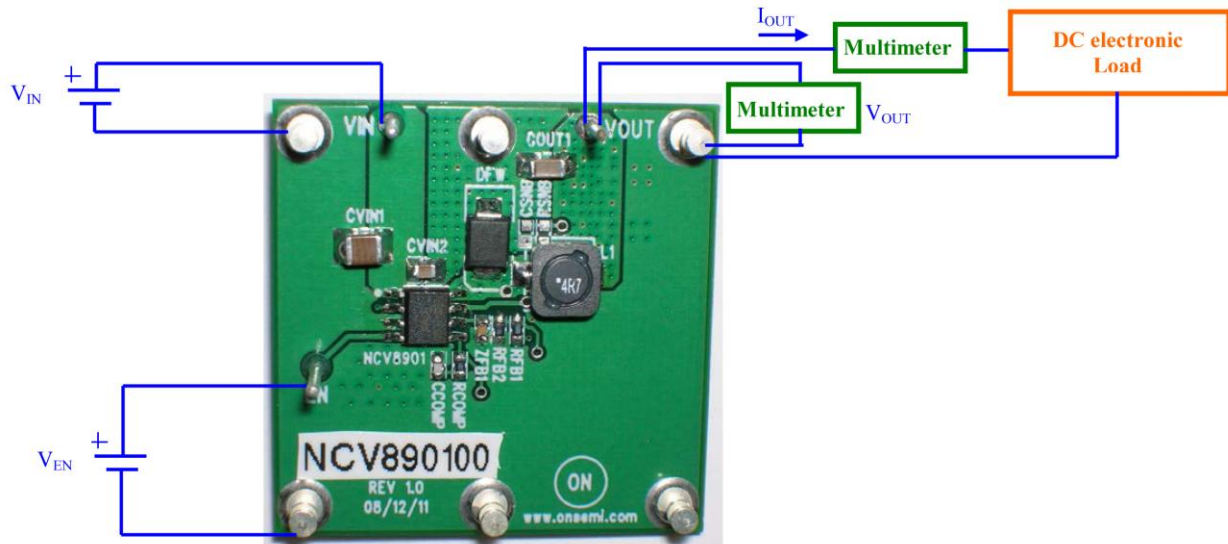


## Test Procedure for the NV890100PDR2GEVB Evaluation Board



### Required Equipment:

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

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**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 1.2A 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 3.3 V +/-0.15 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.