



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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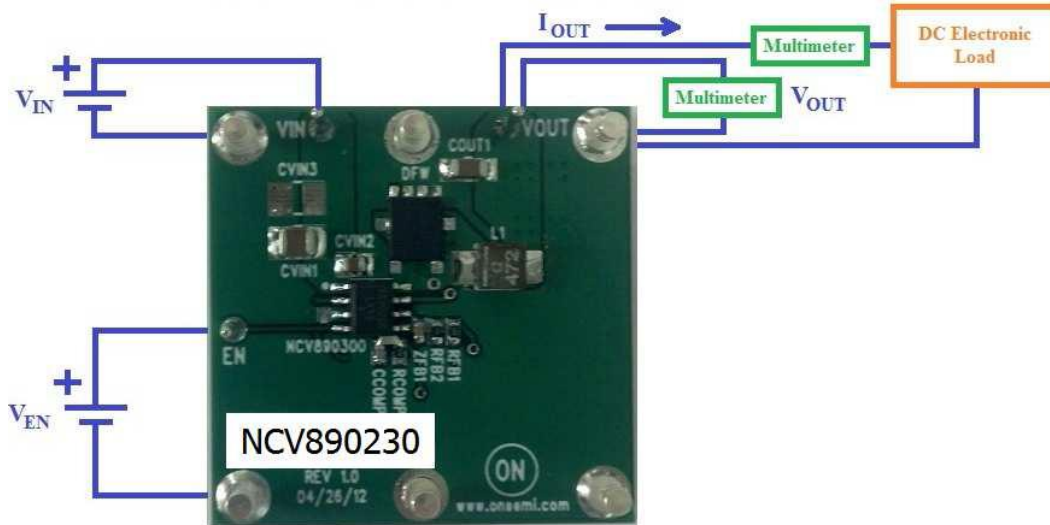
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Test Procedure for the NV890230PDR2GEVB Evaluation Board



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 enable voltage $V_{EN}=0V$. Apply an input voltage, $V_{IN} = 13.2 V$. V_{OUT} should be $0V$.
4. Apply enable voltage $V_{EN}=3V$. Verify that the *output voltage is $3.3 V \pm 0.15 V$* .
5. Set up the **load to 2A** and **enable** it. Verify that the *output voltage is still $3.3 V \pm 0.15 V$* .
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 $3.3 V \pm 0.15 V$* .
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 $3.3 V \pm 0.15 V$* .
10. Apply an enable voltage $V_{EN}=0V$. V_{OUT} should be $0V$.
11. Turn off the DC sources.