



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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## Test Procedure for the NCP59744MN2ADJGEVB Evaluation Board

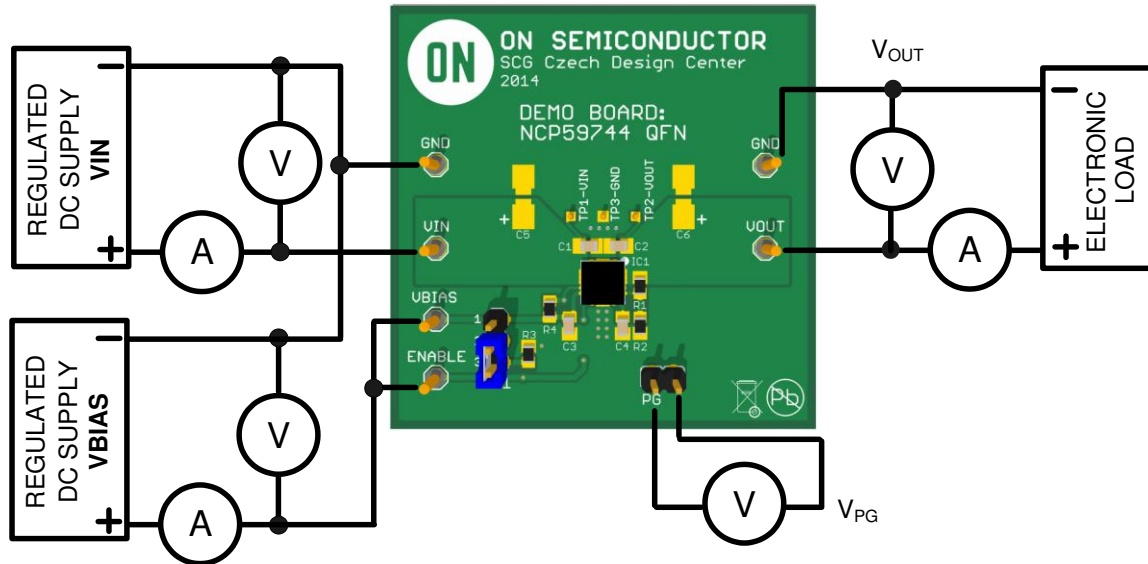


Figure 1: Test Setup

### Test Procedure

1. Connect the test setup as shown in Figure 1.
2. Apply supply voltage  $V_{in} = 1.5\text{ V}$
3. Apply supply voltage  $V_{bias} = 5.0\text{ V}$
4. Apply  $I_{out} = 10\text{ mA}$  load.
5. Check that  $V_{out}$  is  $1.2\text{ V}$
6. Increase  $I_{out}$  load current to  $3.0\text{ A}$
7. Check that  $V_{out}$  is  $1.2\text{ V}$
8. Decrease  $I_{out}$  load current to  $10\text{ mA}$
9. Check that voltage on PG output  $V_{PG}$  is  $5\text{ V}$
10. Decrease  $V_{in}$  voltage to  $0.9\text{ V}$
11. Check that voltage on PG output  $V_{PG} < 0.1\text{ V}$
12. Power down the load
13. Power down  $V_{in}$  and  $V_{bias}$  supply
14. End of test