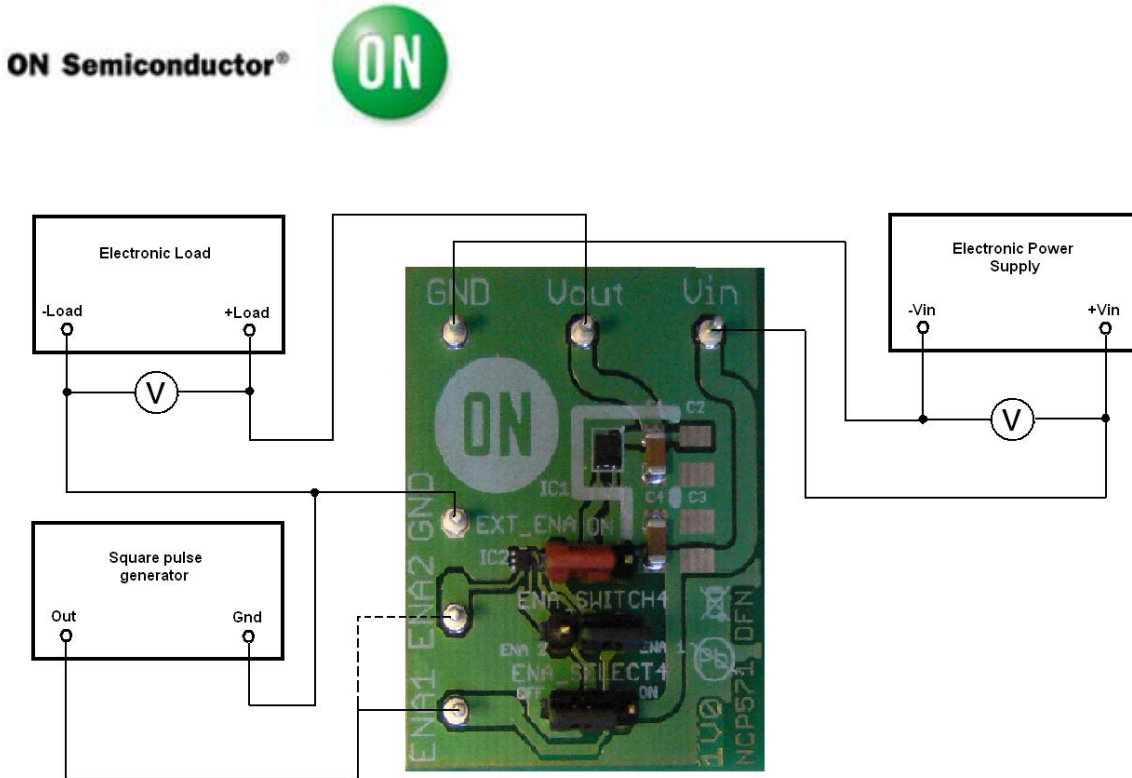


Test Procedure for NCP571 DFN6 1V0 LDO Demoboard



1. Enable pin connected to Vin

1. Check the position of jumper and correct it if necessary.

- a) **EXT_ENA** - **ON**
- b) **ENA_SELECT** - **ENA1 or ENA2**
- c) **POWER ENA2** - **OFF**

2. Connect the test setup as shown Figure 1

3. Apply an input voltage **Vin = 2.7 V**

4. Apply Iout = 0mA load.

5. Check that Vout is **1.0 V**.

6. Increase Iout up to **150 mA**

7. Increase Vin up to **12 V** and decrease the load in accordance with **SOA**

8. Power down the Load

9. Power down the Vcc

10. End of test

2. Enable pin connected to pin ENA1

1. Check the position of jumper and correct it if necessary.
 - a) **EXT_ENA** - **EXT_ENA**
 - b) **ENA_SELECT** - **ENA1**
 - c) **POWER ENA2** - **OFF**
2. Connect the test setup as shown Figure 1
3. Apply an input voltage **V_{in} = 2.7 V**
4. Apply I_{out} = 0mA load.
5. Check that V_{out} is **1.0 V**.
6. Increase I_{out} up to 150 mA
7. Increase V_{in} up to 12 V and decrease the load in accordance with SOA
8. Apply the square pulse with **High level below V_{in}** to pin ENA1
9. Check the output voltage and supply current.
10. Power down the Load.
11. Power down the V_{cc}.
12. End of test.

3. Enable pin connected to pin ENA2

1. Check the position of jumper and correct it if necessary.
 - a) **EXT_ENA** - **EXT_ENA**
 - b) **ENA_SELECT** - **ENA2**
 - c) **POWER ENA2** - **ON**
2. Connect the test setup as shown Figure 1
3. Apply an input voltage **V_{in} = 2.7 V**
4. Apply I_{out} = 0mA load.
5. Check that V_{out} is **1.0 V**.
6. Increase I_{out} up to **150 mA**
7. Increase V_{in} up to **5.5 V** and decrease the load in accordance with SOA
8. Apply the square pulse to pin ENA2. The High level of ENABLE signal could be higher than input voltage up to **7 V**.
9. Check the output voltage and supply current.
10. Power down the Load.
11. Power down the V_{cc}.
12. End of test.