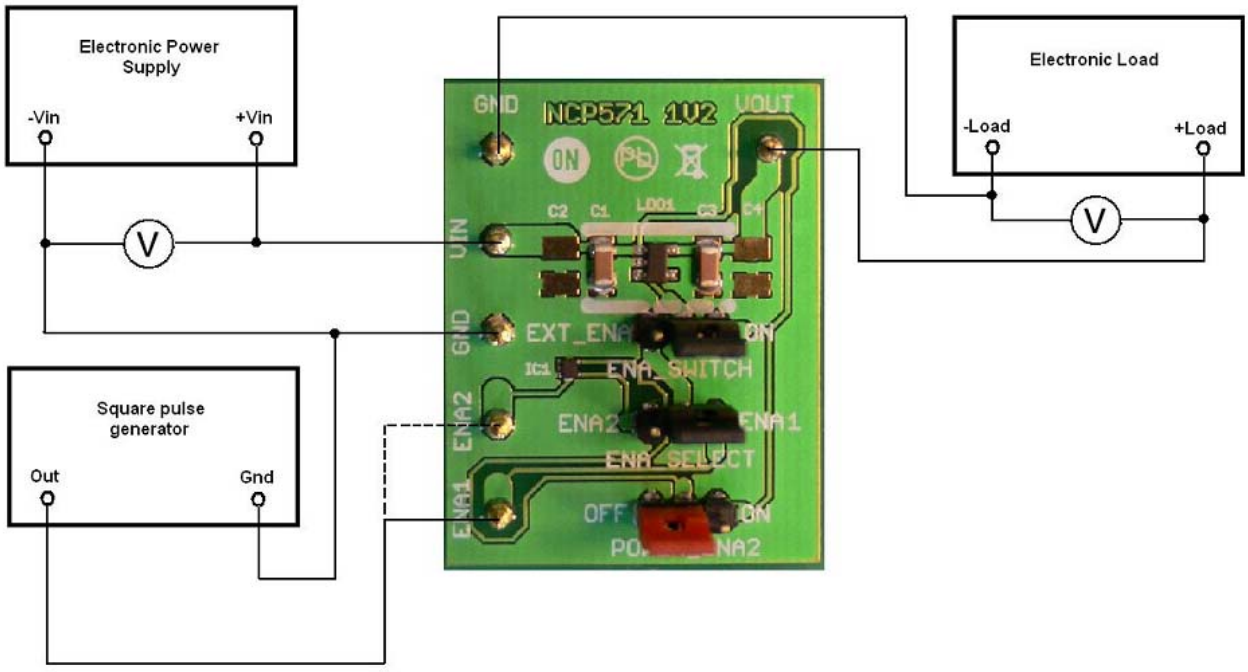
# Test Procedure for NCP571 1V2 LDO Demoboard




1. Enable pin connected to Vin

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

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

2. Connect the test setup as shown Figure 1
3. Appy an input voltage **Vin = 2.7 V**
4. Appy Iout = 0mA load.
5. Check that Vout is **1.2 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 necesary.

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

2. Connect the test setup as shown Figure 1
3. Appy an input voltage **Vin = 2.7 V**
4. Appy Iout = 0mA load.
5. Check that Vout is **1.2 V.**
6. Increase Iout up to 150 mA
7. Increase Vin up to 12 V and decrease the load in accordance with SOA
8. Appy the square pulse with **High level below Vin** to pin ENA1
9. Check the output voltage and supply current.
10. Power down the Load.
11. Power down the Vcc.
12. End of test.

## 3. Enable pin connected to pin ENA2

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

**a)EXT_ENA - EXT_ENA**
**b)ENA_SELECT - ENA2**
**c)POWER ENA2 - ON**

2. Connect the test setup as shown Figure 1
3. Appy an input voltage **Vin = 2.7 V**
4. Appy Iout = 0mA load.
5. Check that Vout is **1.2 V.**
6. Increase Iout up to **150 mA**
7. Increase Vin up to **5.5 V** and decrease the load in accordance with SOA
8. Appy 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 Vcc.
12. End of test.