

Test Procedure for the NCP580 Demonstration Board

ON Semiconductor®



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Table 1: Required Equipment

Oscilloscope	1 Multi-meter	DC Power Supply
Electrical Load	One NCP580 Evaluation Board	

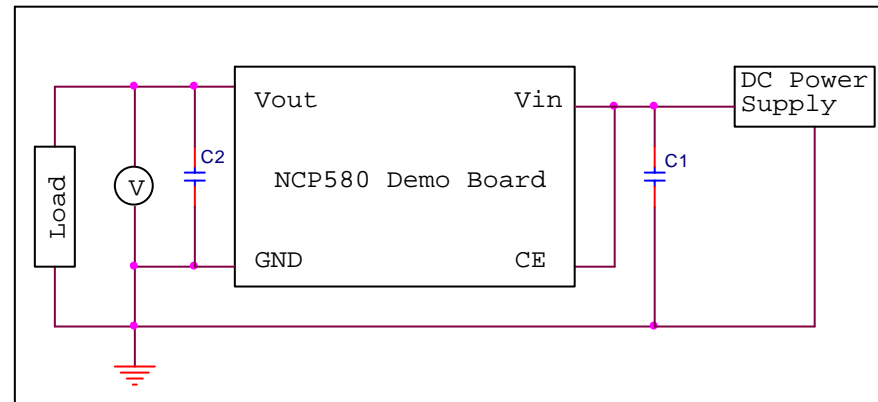


Figure 1: NCP580 Test Setup

Test Procedure:

- 1. Connect the demo board as shown in Figure 1.**
- 2. Connect the Chip Enable (pin 3) to the input voltage (pin 4) on the demo board. Set $V_{in} = V_{out} + 1.0 \text{ V}$.**
- 3. Turn on the power supply to 3.8 V at no load current. The output voltage, V_{out} , should be about 2.8 V.**
- 4. Adjust load current from 1.0 mA to 120 mA and use the scope to see the output voltage. Make sure it is in the range of 2.758 V~2.842 V (typical value is 2.8 V) and there is no oscillation.**