

Test Procedure for the NCV97400GEVB Evaluation Board

The following steps will get you familiar with the setup of inputs and outputs of the NCV97400:

Required Equipment

- 1 DC Source – $\geq 40\text{ V}$, $\geq 2\text{ A}$ capable for VBAT
- 1 Oscilloscope – 2 Channel minimum for VOUTs and SWs
- 1 Multi-meter for VOUTs

1. Disconnect all jumpers connected to the board.
2. Connect a 12 V DC power supply between the VBAT and GND terminals in the upper left of the evaluation board.
3. Connect a multi-meter or oscilloscope probe between the VOUT1 and GND terminals located in the upper right of the evaluation board.
4. Connect a multi-meter or oscilloscope probe between the VOUT2 and GND terminals located in the lower right of the evaluation board.
5. Connect a multi-meter or oscilloscope probe between the VOUT3 and GND terminals located in the center of the bottom of the evaluation board.
6. Connect a multi-meter or oscilloscope probe between the VOUT4 and GND terminals located in the center of the right edge of the evaluation board.
7. Connect the EN1 jumper to VIN0:
 - a. Verify that VOUT1 is 3.3 V and VOUT4 is 5.0 V.
8. Connect the EN2 jumper to VOUT1.
 - a. Verify that VOUT2 is 1.8 V.
9. Connect the EN3 jumper to VOUT1.
 - a. Verify that VOUT3 is 1.2 V.

**NCV97400GEVB
Test Connections**

