

Test Procedure for the NCS2632DTBGEVB Evaluation Board

- Refer to image below for Test Point locations
- Make sure that the VDD jumper and UVP detection supply jumper are in place. Remove all input jumpers to ground.
- 1. Connect a 3.3 V supply between the VDD pin and GND.
- 2. Set the EN switch to high to enable the IC. Verify that EN is high with a Multimeter. Approx 3.3V
- 3. Check the supply current. You are making sure there is no excessive current. Should be less than 11mA
- 4. Use the voltmeter to measure the VSS pin. It should measure near –VDD. Between -3.0 to -3.3V.
- Apply a sine wave (f = 1 kHz, 1 Vpp) across INLP and INLM. Observe the waveform at OUTL. Eval board is set to a gain of 2. Should see a nice sine wave of ~2V pk-pk
- 6. Set the EN switch to low Output should go to approx. 0V
- 7. Set the EN switch to high Output should return to 2V pk-pk
- Apply a sine wave (f = 1 kHz, 1 Vpp) across INRP and INRM. Observe the waveform at OUTR. Eval board is set to a gain of 2. Should see a nice sine wave of ~2V pk-pk
- 9. Set the EN switch to low Output should go to approx. $\frac{0V}{0}$
- 10. Set the EN switch to high Output should return to 2V pk-pk

