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ON Semiconductor

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.
5. 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
8. 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. 0V
10. Set the EN switch to high – Output should return to 2V pk-pk