ON Semiconductor

Test Procedure for the NCP382HMN10AGEVB Evaluation Board

Equipment Needed:

1. Power Supply (5V, 3A)
2. Potentiometer/Load (100Ω, 10W)
3. Multimeter

Note: Cables should be as short as possible to lower their inductance value – otherwise you may harm either the input or output pins of the device

Set-up & Test:

1. Apply Vin = 4V dc (Over Current Limit = 1.0A) on IN test point.
2. Connect a 100Ω, 10W load between Output1 test point and GND strap.
3. Toggle EN1 strap between Low and High sides.
4. Output1 must change from 0 to 4V by toggling the EN1 switch.
5. Disconnect load from Output1 and connect it to Output2 test point.
6. Toggle EN2 strap between Low and High sides.
7. Output2 must change from 0 to 4V by toggling the EN2 switch.