ON Semiconductor

Test Procedure for the NCP382HD15AAGEVB 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 = 1.5A) on IN test point.
2. Connect a 100Ω, 10W load between Output1 test point and GND strap.
3. Switch EN1 strap between Low to High sides (Enable – High).
4. Output1 must change from 0 to 4V by changing the EN1 switch from Low to High.
5. Disconnect load from Output1 and connect it to Output2 test point.
6. Switch EN2 strap between Low to High sides (Enable – High).
7. Output2 must change from 0 to 4V by changing the EN2 switch from Low to High.

Note: Switch in down position is Enable High; up position is Enable Low