Test Procedure for the NCP59301DS00GEVB Evaluation Board

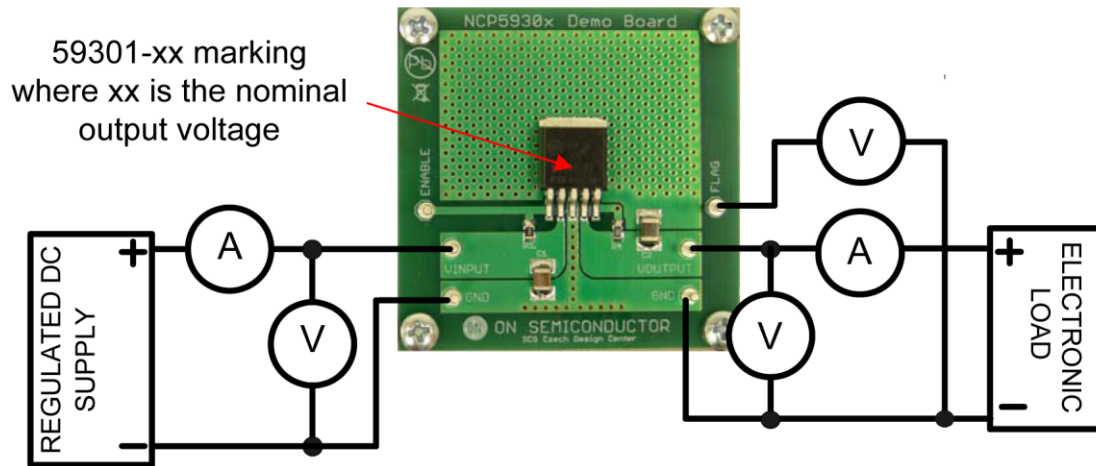59301-xx marking where xx is the nominal output voltage

Figure 1: Test Setup

Test Procedure

1. Connect the test setup as shown in Figure 1.
2. Apply an input voltage, Vin = Vout_nom + 1 V
3. Apply Iout = 10 mA load.
4. Check that Vout is Vout_nom
5. Increase Iout load to 3 A
6. Check that Vout is Vout_nom
7. Check by Multimeter referenced to GND that Vflag is roughly Vout_nom
8. Decrease input voltage untill Vout = 90% of Vout_nom
9. Check that Vflag is less than 0.4 V
10. Power down the load
11. Power down Vinput
12. End of test