



## Test Procedure for the NCV8871LVBGEVB Evaluation Board

### Equipment Needed

Power Supplies (1 High Power, 1-3 Logic Level)  
Digital Volt Meter  
Digital Ampere Meter  
Function Generator (optional)

### NCV8871LWB Test Procedure:

- 1) Apply 8 V to VIN. The output voltage should be around 7 V - 8 V.
- 2) Apply 5 V to the EN/SYNC pin. The output voltage should be around 10.6 V.
- 3) Attach a 10  $\Omega$  or 11  $\Omega$  load to the output. It should draw 1 A, and the output voltage should be around 10.6 V.
- 4) Look at the switch node. The frequency should be around 170 kHz.
- 5) Apply a 200 kHz, 5 Vpp clock to the EN/SYNC pin. The output voltage should be around 10.6 V.

Look at the switch node. The frequency should be 200 kHz.