



## Test Procedure for the NCV896530GEVB Evaluation Board

### Equipment Needed

- Power Supply
- Digital Volt Meter
- Digital Ampere Meter
- Function Generator (optional)

### NCV896530 Test Procedure

- 1) Remove the Enable Jumpers
- 2) Apply 5 V to VIN. Both outputs should be off.
- 3) Connect the Enable 1 Jumper. Vout1 should be on and Vout 2 should be off.
- 4) Using the potentiometers, change the output voltage of Vout 1 to 1.8 V.
- 5) Connect a 5  $\Omega$  load to Vout1. It should draw about 360 mA and the output should remain at 1.8 V.
- 6) Connect the Enable 2 Jumper. Vout1 and Vout2 should be on.
- 7) Using the potentiometers, change the output voltage of Vout 2 to 1.8 V.
- 8) Connect a 5  $\Omega$  load to Vout2. It should draw about 360 mA and the output should remain at 1.8 V.
- 9) Look at either switch node. The frequency should be around 2100 kHz.
- 10) Apply a 2700 kHz, 5 Vpp clock to the EN/SYNC pin. The output voltages should not Change.
- 11) Look at the switch node. The frequency should be 2700 kHz