



## Test Procedure for the NCP4306FLY100GEVB Evaluation Board

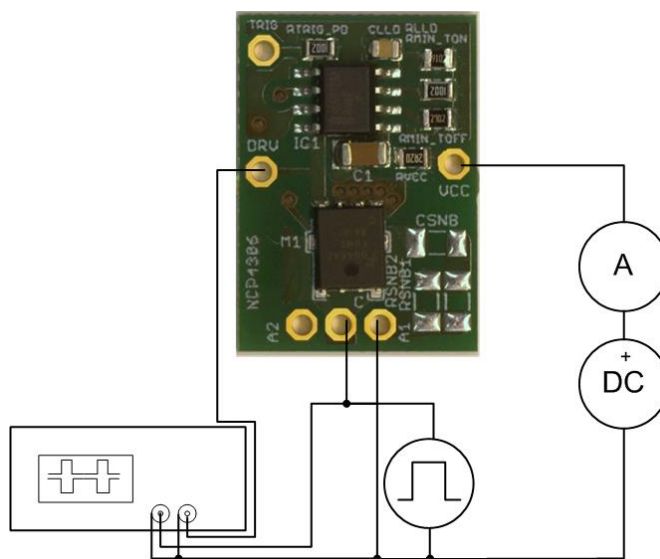


Figure 1: Test Setup

The following steps describe the test procedure for all these boards:

### Required Equipment:

DC voltage source (e.g. STATRON 2229) .....	1pc
DC Amp-Meter (e.g. KEITHLEY 2000).....	1pc
Function generator (e.g. AFG3252) .....	1pc
2 channel oscilloscope .....	1pc

### Test Procedure:

1. Connect the test setup as shown in figure 1.
2. Apply an supply voltage,  $V_{CC} = 12\text{ V}$
3. Apply pulse from generator (pulse,  $f = 100\text{ kHz}$ ,  $DC = 50\%$ ,  $V_{LOW} = -1\text{ V}$ ,  $V_{HIGH} = 4\text{ V}$ , output impedance = high  $Z$ )
4. Check that  $I_{CC} = 4 - 6\text{ mA}$ , waveforms look like in figure 2 (DRV pulse may oscillate between 1 us and 5 us)
5. Apply pulse from generator (pulse,  $f = 100\text{ kHz}$ ,  $DC = 50\%$ ,  $V_{LOW} = +1\text{ V}$ ,  $V_{HIGH} = 4\text{ V}$ , output impedance = high  $Z$ )
6. Check that  $I_{CC} = \sim 60\text{ }\mu\text{A}$ , waveforms look like in figure 3 (no DRV pulses)
7. Turn off  $V_{CC}$
8. End of the test

