



Test Procedure for the CAT4104AGEVB Evaluation Board

1. Initial Setup

- 1.1. Connect four LEDs (200mA or greater rating) to the CAT4104. Connect the anode end of each LED to test points LED1 (T4) to LED 4 (T7). Connect the cathode end of the LED to a 5V power supply.
- 1.2. Turn the cursor of potentiometer R2 all the way to the counter clockwise position.

2. Power Supply

- 2.1. Connect an external 3V DC power supply between the test points VIN (T1) and GND (T2). Connect the positive terminal of the supply to pin VIN and the negative terminal to pin GND. There is no protection against reverse voltage on the VIN and GND terminals.

3. Test Procedure

- 3.1. Turn on the external power supplies. Turn on the 'VIN' supply first and then the 5V supply.
- 3.2. Connect the 'EN/PWM' test point to VIN. The CAT4104 will be enabled and the LEDs should light up.
- 3.3. Rotate clockwise the cursor on potentiometer R2. The LED's brightness will change.
- 3.4. Connect the 'EN/PWM' test point to GND. The CAT4104 will be disabled and the LEDs should turn off.
- 3.5. Turn off the external power supplies. Turn off the 5V supply first and then the VIN supply.