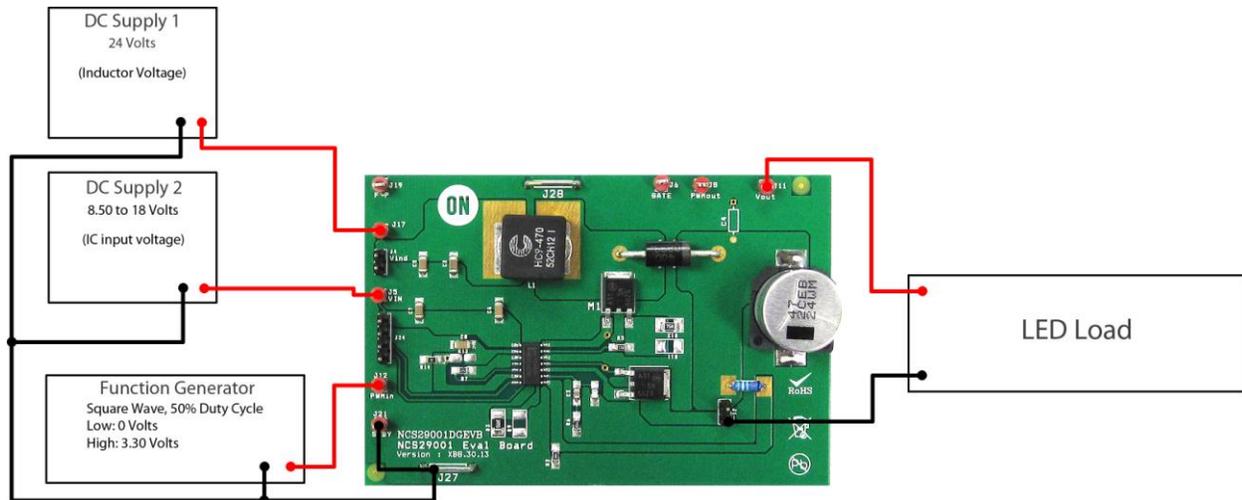




Test Procedure for the NCS29001DGEVB Evaluation Board



1. Board Setup:

- IC input voltage 8.5V to 18V
- Inductor input voltage 24V
- LED current 200 mA (**BE SURE LED CURRENT DOES NOT EXCEED 200 mA!**)
- Switching frequency 200kHz
- LED string 76V total forward voltage

2. Power Supply:

- Refer to diagram above for proper connections to board.
- Plug in the GND first.
- Connect output load
- Connect IC input voltage
- Connect Inductor input voltage
- Connect function generator
- Power on

3. Enable Device Through STBY and PWMin:

- Bring device out of standby by connecting STBY pin to ground
- Apply PWM signal centered at 1.65 V with 3.30 V_{pk-pk} to PWMin (100Hz to 300Hz) to engage soft-start power up
- Adjust PWM duty cycle to change LED brightness

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com