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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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NCL30105GEVB: 350 mA Buck LED Driver Evaluation Board

Evaluation Board Description

The NCL30105 is a peak current controlled fixed off time buck controller designed for LED driver applications. It is optimized to operate in deep continuous conduction mode eliminating the need for output electrolytic capacitors. Featuring an adjustable off time generator, the controller can drive a MOSFET up to a switching frequency of 500 kHz. A dedicated dimming pin enables the use of a pulsewidth modulated logic signal to dim the LED directly. The soft-start pin creates a startup sequence that slowly ramps up the peak current and enables the adjustment of the peak current set point for analog dimming control. The device features robust protection features to detect switch overcurrent faults and to detect maximum on time events.



Evaluation Board Information

| Evaluation Board | Status | Compliance | Short Description | Parts Used | Action |
|------------------------------|--------|------------|---|------------------------------|--------|
| NCL30105GEVB | Active | Pb-free | 350 mA Buck LED Driver Evaluation Board | NCL30105DR2G | |

Technical Documents

| Type | Document Title | Document ID/ Size | Rev |
|----------------------------|---|--|-----|
| Eval Board: BOM | NCL30105GEVB Bill of Materials ROHS Compliant | NCL30105GEVB_BOM_ROHS.PDF - 52.0 KB | 0 |
| Eval Board: Gerber | NCL30105GEVB Gerber Layout Files (Zip Format) | NCL30105GEVB_GERBER.ZIP - 48.0 KB | 0 |
| Eval Board: Schematic | NCL30105 Schematic | NCL30105GEVB_SCHEMATIC.PDF - 98.0 KB | 0 |
| Eval Board: Test Procedure | NCL30105 Test Procedure | NCL30105GEVB_TEST_PROCEDURE.PDF - 731.0 KB | 0 |
| Video | LED Lighting Solutions with the NCL30105GEVB Evaluation Board | TND6086/D - -1 KB | 1 |