



STEVAL-ILL039V1

Step-up current controller for 2 LEDs based on the STLDC08 driver

Data brief

Features

- Input voltage: 0.8 V to 3.6 V
- Output : 2 LEDs at $I_{LED} = 200$ mA
- Dimming mode with external PWM signal
- RoHS compliant

Description

The purpose of the STEVAL-ILL039V1 demonstration board is to provide an example for applications of an LED driver using the step-up controller STLDC08.

The STLDC08 is designed for handheld equipment supplied by AA or AAA batteries and provides a precise constant current starting from a variable input voltage source.

The LED current is set by an external sense resistor inserted between the feedback pin (FB) and GND.

A regulation loop holds the voltage drop at the sense resistor at a constant level (100 mV typ.).



2 Revision history

Table 1. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 31-Oct-2011 | 1 | Initial release. |

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9