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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





STEVAL-ILL039V2

Step-up current controller for 4 LEDs based on the STLDC08 driver

Data brief

Features

- Input voltage: 0.8 V to 3.6 V
- Output: 4 LEDs at $I_{LED} = 300$ mA
- Dimming mode with external PWM signal
- RoHS compliant

Description

The purpose of the STEVAL-ILL039V2 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 (typ. 100 mV).



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
08-Nov-2011	1	Initial release.

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