



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

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

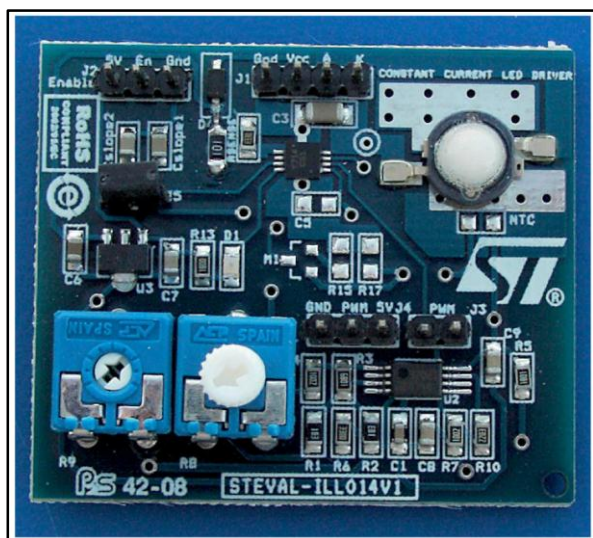
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



Evaluation board for the STCS1A constant current controller for high brightness LEDs

Data brief



Description

The best way to power LEDs is to control the forward current in order to achieve good matching of light output. LED manufacturers specify the characteristics (such as lumens, beam pattern, color) of their devices at a specified forward current. The STEVAL-ILL014V1 evaluation board demonstrates the operation of the STCS1A constant current LED driver. The STCS1A is capable of controlling the LED current under several application conditions, while also providing useful features that make it suitable for different applications such as advertising signs, automotive interior and exterior lighting, and emergency vehicle warning lights.

Features

- Input voltage (VIN): 4.5 V to 40 V
- Less than 0.5 V voltage overhead
- Up to 1.5 A output current
- PWM dimming pin
- Shutdown pin
- LED disconnection diagnostic
- RoHS compliant

2 Revision history

Table 1: Document revision history

Date	Version	Changes
05-May-2008	1	Initial release.
04-May-2015	2	Updated board photo on the cover page.

IMPORTANT NOTICE – PLEASE READ CAREFULLY

STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST's terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers' products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2015 STMicroelectronics – All rights reserved