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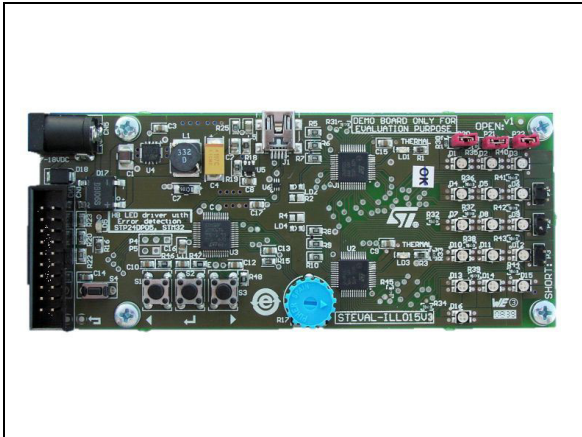
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## HB LED driver with diagnostic based on the LED2472G

Data brief



### Description

The STEVAL-ILL015V3 evaluation board provides a platform to test and evaluate STMicroelectronics' LED2472G LED driver.

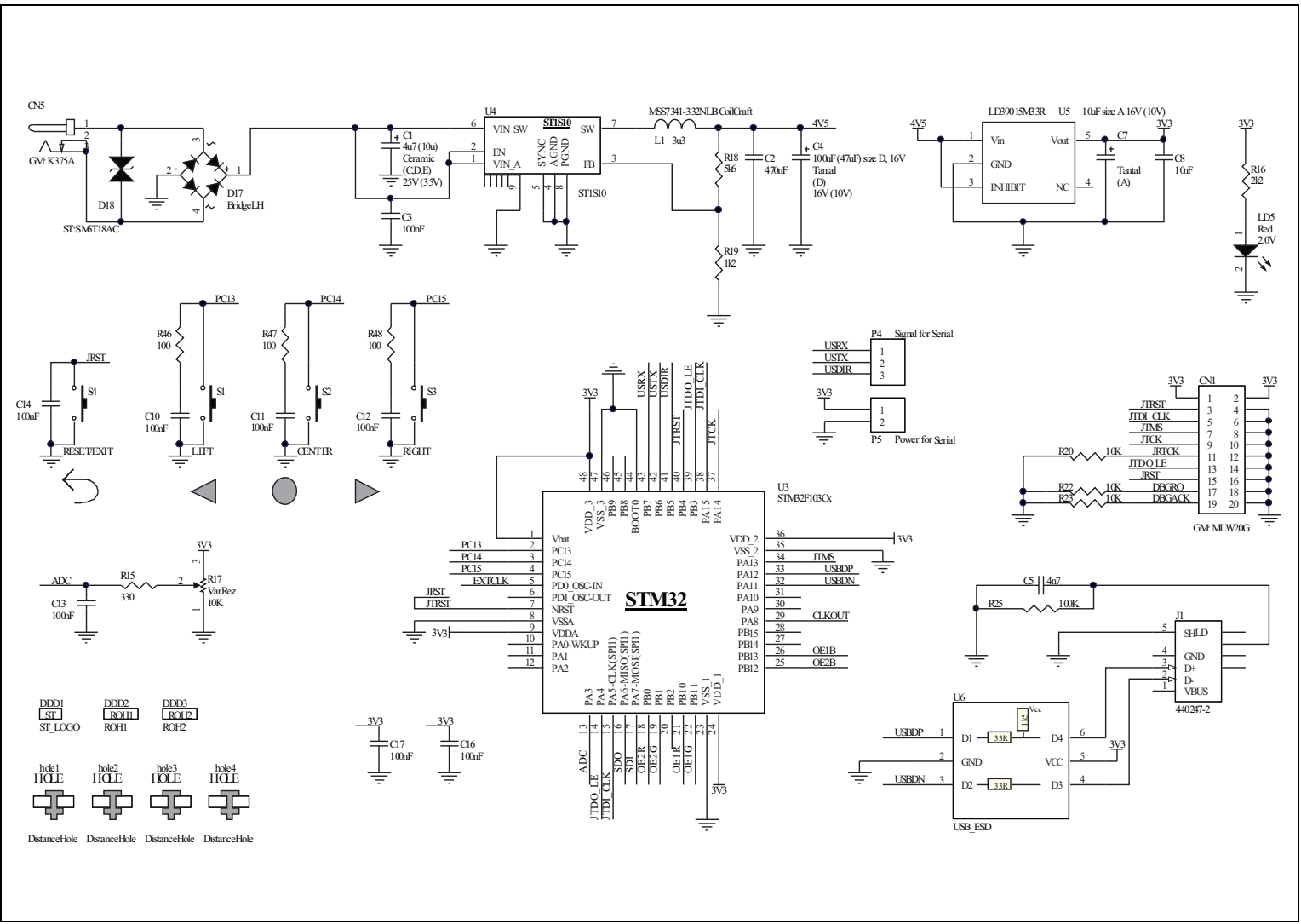
The LED2472G device is a 24-bit constant-current LED sink driver with output error detection, suitable for applications such as large-area displays and full-color board panels where improvement in RGB LED resolution and reduction of system costs are important.

### Features

- Two LED2472G devices in TQFP48 package connected to 3 x 16 RGB high-brightness LEDs
- STM32 microcontroller
- Cost-effective internal high-side oscillator
- JTAG interface for microcontroller firmware changes/updates
- Mini USB connector for connection with a PC GUI
- Test points on the board for each important signal aids laboratory evaluation
- Buttons and knob to control the board
- Error and overtemperature flag for each LED driver
- 3 jumpers to simulate the disconnection of 3 LEDs
- 3 jumpers to simulate the shorting of 3 LEDs
- Highly-efficient ST1S010 DC-DC switching power supply
- Input: 7.5 V to 18 V, 0.7 A
- RoHS compliant

# 1 Schematic diagram

Figure 1. STEVAL-ILL015V3 circuit schematic



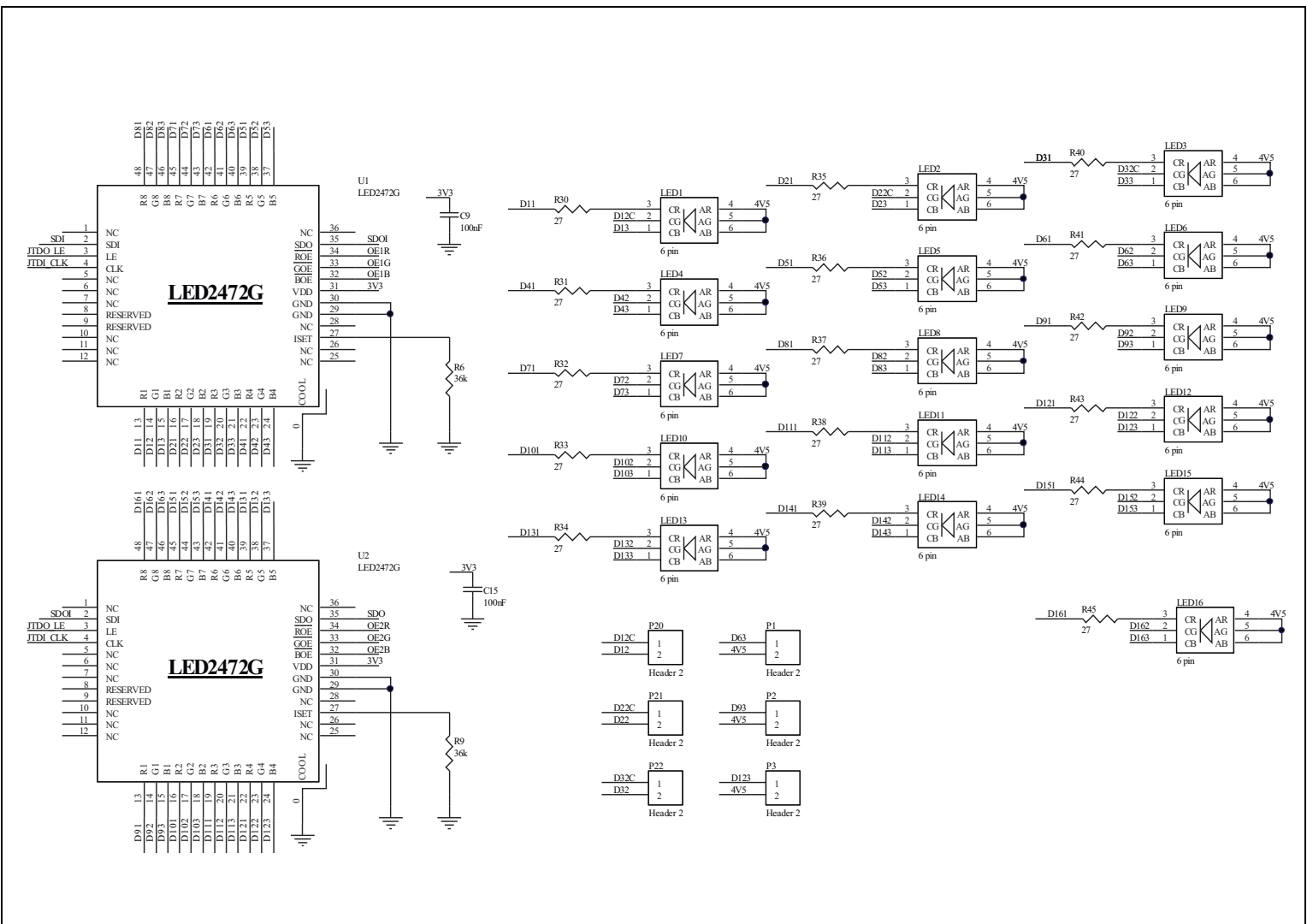


Figure 2. STEVAL-ILL015V3 schematic DACs with LEDs

## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
08-Jul-2014	1	Initial release.

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