

STEVAL-ILL003V1

HB LED without diagnostic (32 LED) based on STP16CP596

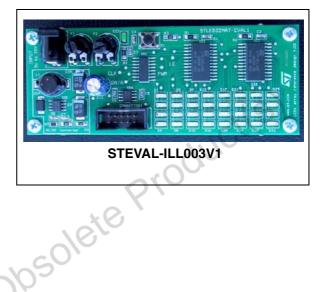
Data Brief

Features

- 32 LEDs matrix is driven by STP16CP596
- LED current regulation
- Adjustable brightness
- Animated text implemented
- Adjustable blinking speed, several blinking modes
- Input voltage ranges from 5 V to 35 V
- DC/DC converter for high efficiency



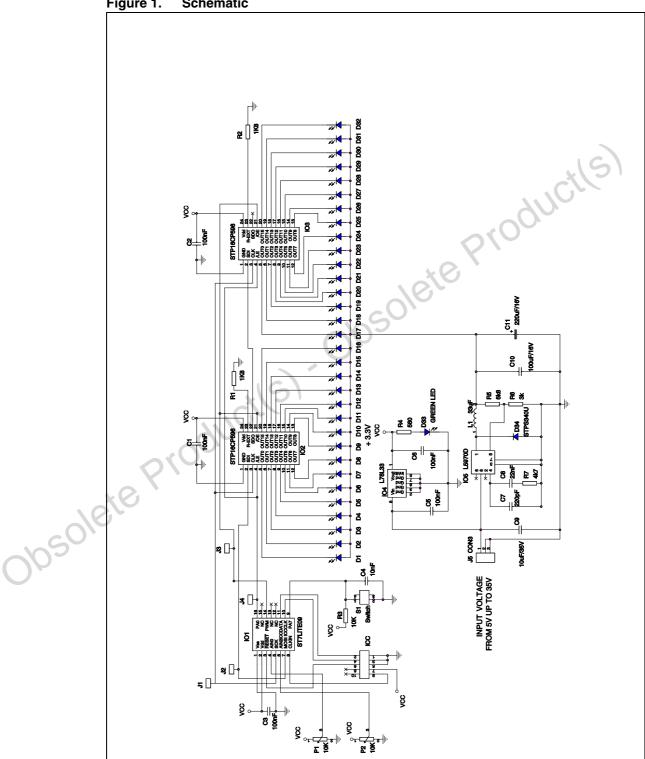
This evaluation board implements a cost effective solution to drive an array of high brightness LEDs, using the LED driver STP16CP596. This driver provides the same constant current for each of its output channels, thus there is no difference in brightness and color between the LEDs.



Board schematic STEVAL-ILL003V1

Board schematic 1

Figure 1. **Schematic**



STEVAL-ILL003V1 Revision history

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
13-Nov-2007	1	Initial release

Obsolete Product(s). Obsolete Product(s)

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