



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

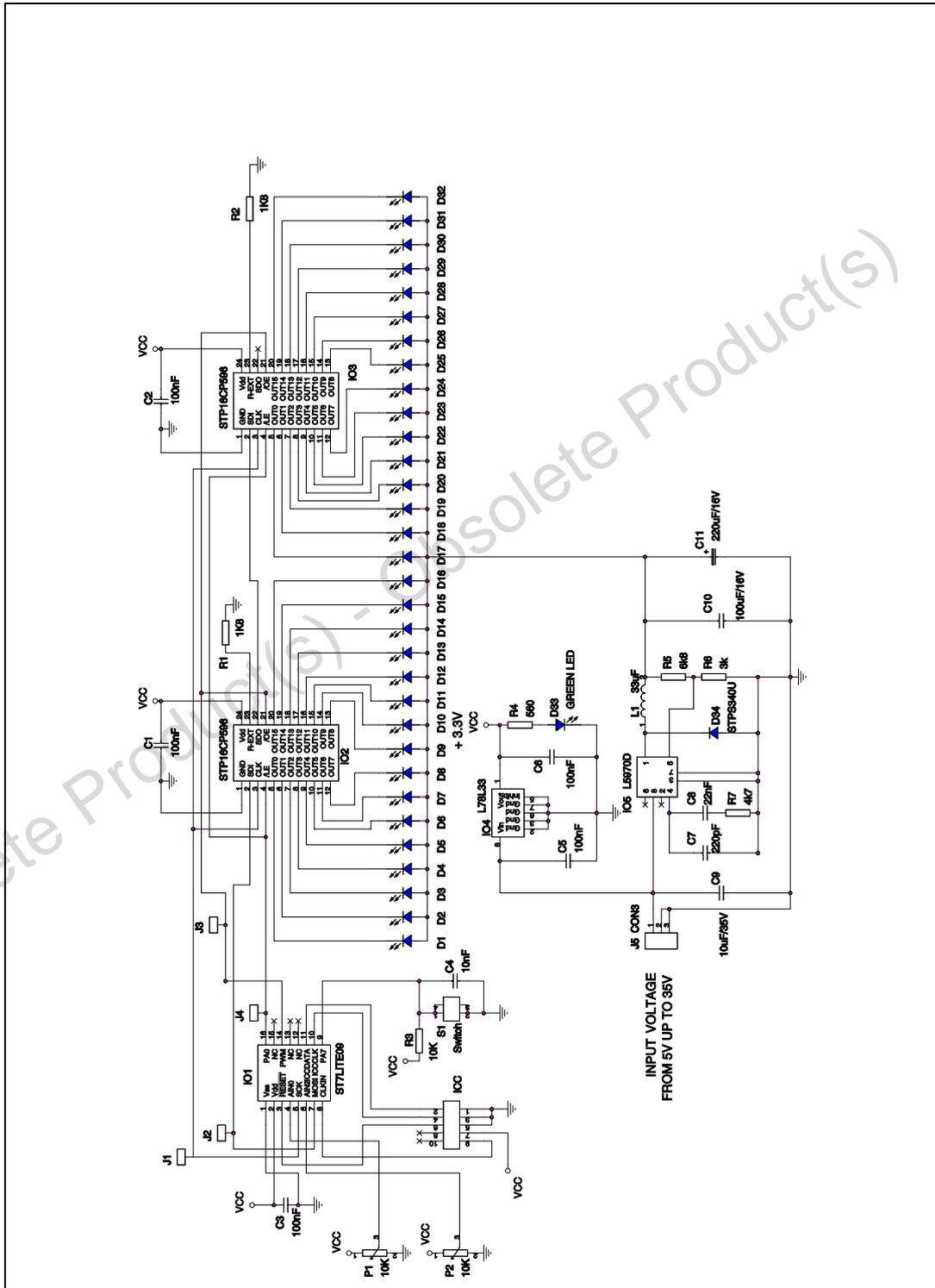


Description

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.

1 Board schematic

Figure 1. Schematic



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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