



# STEVAL-TLL005V1

Power flash demonstration board  
based on the STCF03 and ST7

Data Brief

## Features

- It can work in two different power supply modes:
  - External power mode of 5 V
  - Battery powered mode (Li -Ion battery inside)
- Hardware content:
  - One mother board
  - One daughter board with STCF03 and power LED
  - GUI installation file with all PC driver and PC GUI

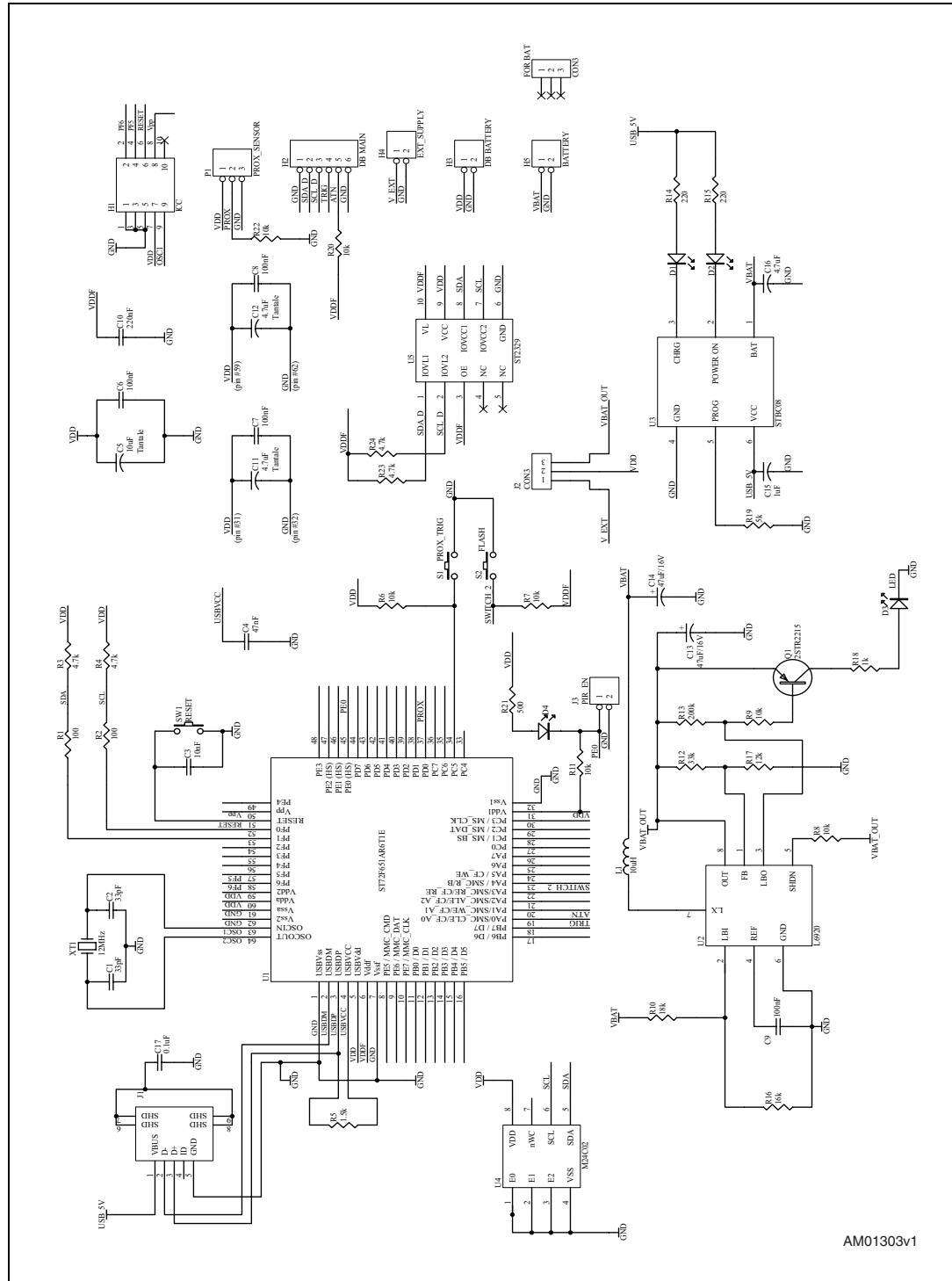


## Description

The STEVAL-TLL005V1 is a power flash demonstration board based on the STCF03. The STCF03 is a high efficiency power supply solution to drive a single flash LED in camera phone, PDAs and other hand-held devices. It is a buck-boost converter to guarantee a proper LED current control over all possible conditions of battery voltage and output voltage. All the functions of the device are controlled through I<sup>2</sup>C interface with microcontroller. The STEVAL-TLL005V1 include a mother plus a daughter (STEVAL-TLL004V1 is the daughter only) boards.

# 1 Electrical schematic

Figure 1. STCF03 driver board



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
27-Nov-2008	1	Initial release.

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