



# STEVAL-PCC003V1

Low-speed USB demonstration board based on the STUSB03 transceiver and ST7263BE2 microcontroller

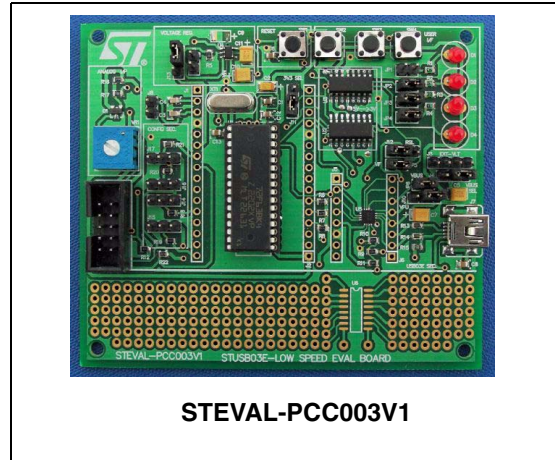
Data Brief

## Features

- Hardware
  - Based on the STUSB03, single chip USB transceivers that support both USB full-speed and USB low-speed operations
  - USB to mini-B cable
- Software
  - USB HID demonstration GUI

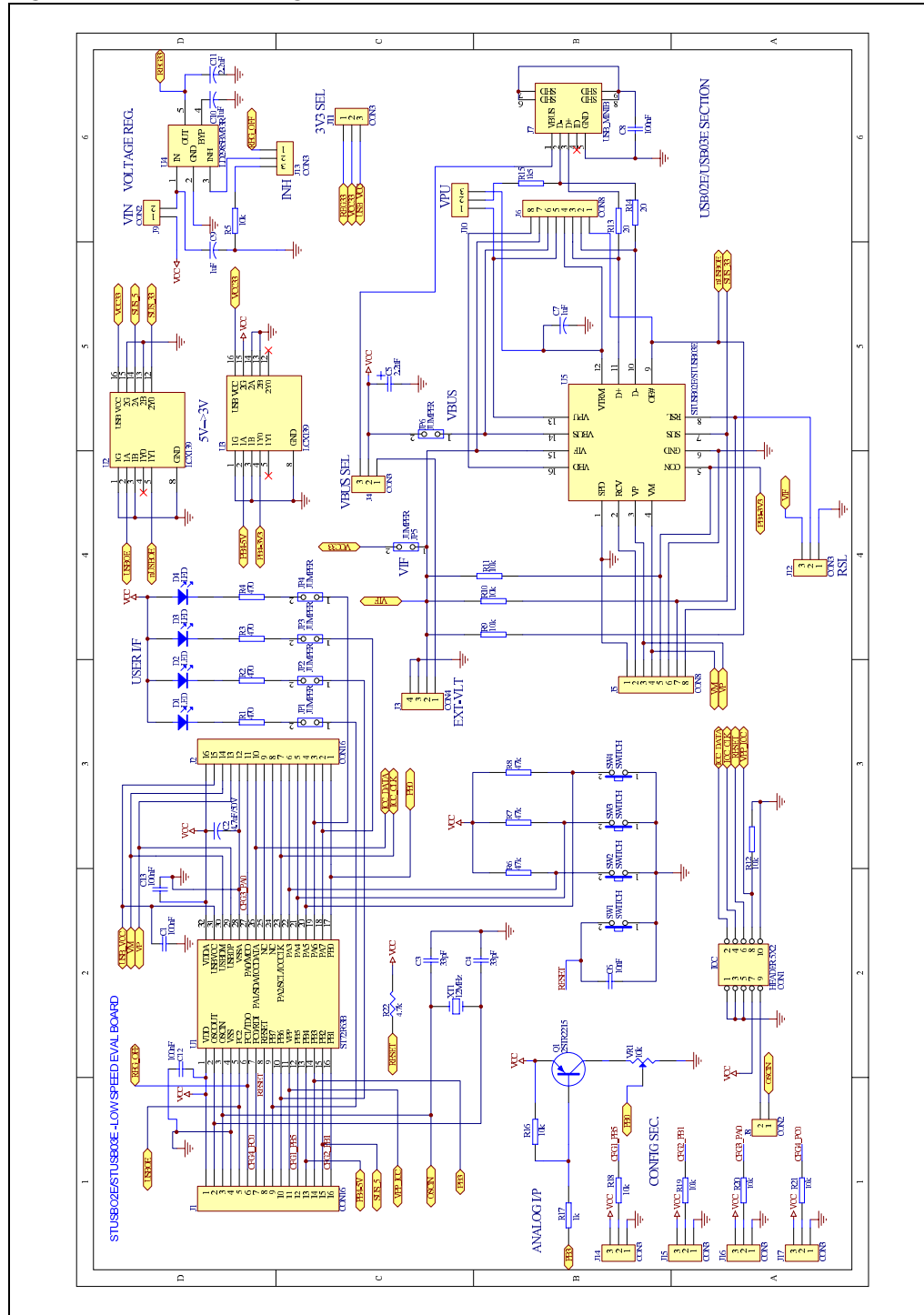
## Description

For demonstration purposes the USB microcontroller used is the ST72F63BE2 8-bit microcontroller. The STUSB03 connected with a USB controller is ideal for use in mobile phones, digital cameras, printers, PDAs, etc. All the hardware components except the transceiver IC are the same for the STEVAL-PCC003V1 and STEVAL-PCC004V1 demonstration boards. The demonstration board is comprised of one mini-B USB connector, a USB controller, a USB transceiver, two 2-to-4 demultiplexers and all required discrete components (pull-up resistors, series resistors and power supply capacitors). The device can be configured through a set of jumpers and the main signals can be accessed through test points. The demonstration board is powered from a USB mini-B or, optionally, from an external supply. The STUSB03 transceiver is connected at the USB communication lines of the microcontroller.



# 1 Circuit schematic

Figure 1. Schematic diagram



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
18-Jul-2008	1	Initial release.

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