



STEVAL-PCC004V1

Low-speed USB demonstration board based on the STUSB02E transceiver and ST7263BE2 microcontroller

Data Brief

Features

- Hardware
 - Based on STUSB02E, 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

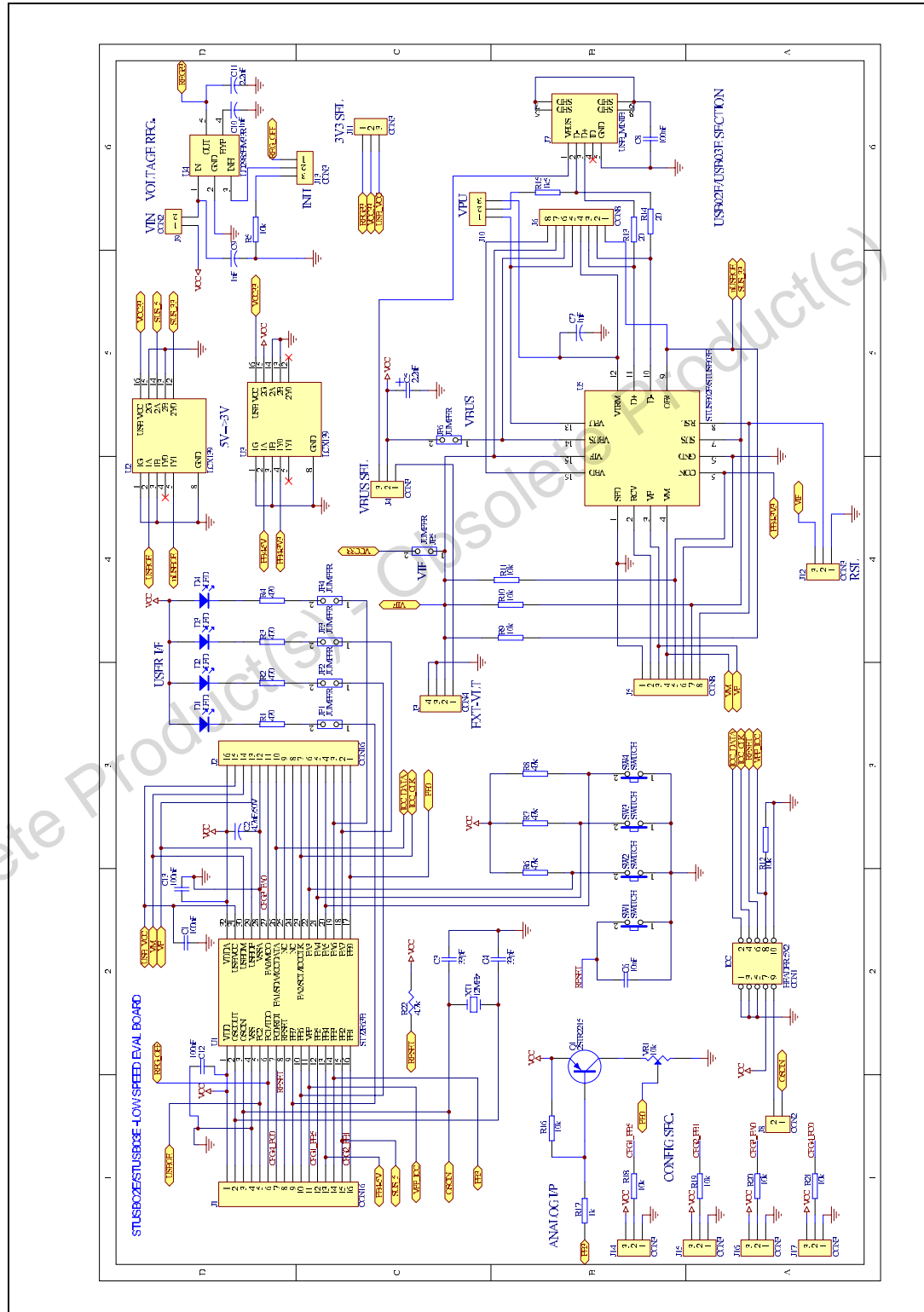
Description

For demonstration purposes, the USB microcontroller used is the ST72F63BE2 8-bit microcontroller. The STUSB03 connected to a USB controller is ideal for use in mobile phones, digital cameras, printers, PDAs, etc. All 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 transceiver STUSB02 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. |

Obsolete Product(s) - Obsolete Product(s)

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