



STEVAL-PCC002V1

Low speed USB to serial bridge based on ST7263B

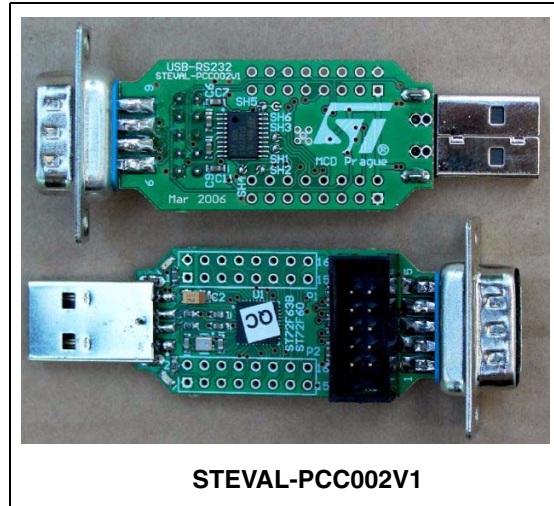
Data Brief

Features

- PC executable software for HID communication
- CTS/RTS flow control
- Two LEDs to indicate traffic direction
- In-circuit programming capability through ICC connector
- Wrapping area capability with access to MCU I/Os

Description

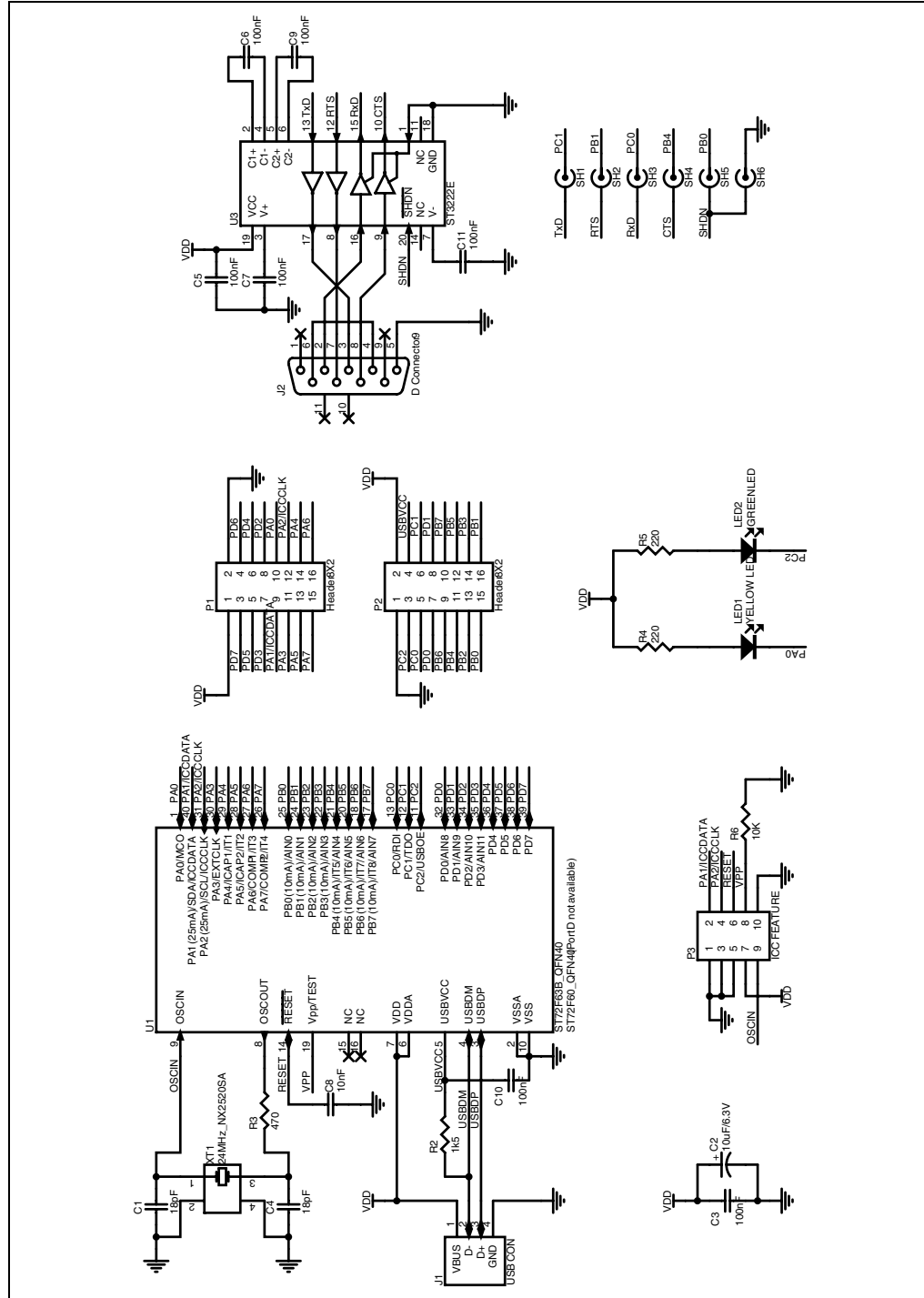
The board is a complete evaluation board for a serial port bridge as well as an evaluation board for ST72F63B/60 devices. This application is used to interface devices with a serial port (RS232 type) and a host-computer USB port. USB data transfers comply with HID-class protocols. The bridge is based on a USB low-speed microcontroller which provides a maximum guaranteed USB transfer rate of 800 bytes per second. The bridge application is evaluated on a PC by running a dedicated applet that controls and monitors data transfers on both the USB and serial COM ports. The included hardware provides in-circuit programming (ICP) capabilities for the microcontroller and almost all the MCU I/Os are available on expansion connectors to evaluate different applications. The RS232 part can be separated by removing the appropriate soldering joints (shunts). This can be used to modify certain firmware or hardware parameters for evaluation or customization purposes.



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1 Board schematic

Figure 1. Scheme



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
19-Oct-2007	1	Initial release

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