



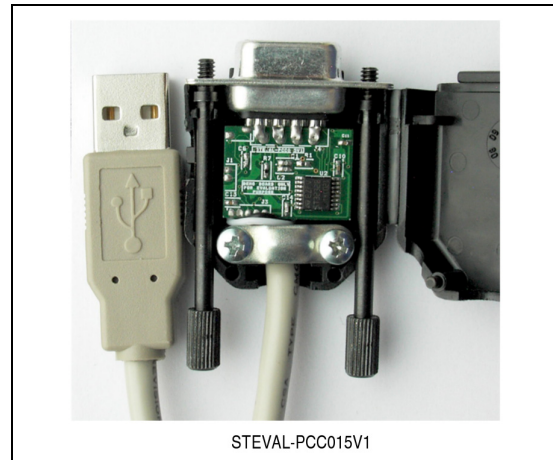
STEVAL-PCC015V1

Full speed USB to RS232 bridge

Data brief

Features

- The demonstration board works as a bridge between a standard USB port and a classical serial COM port
- The standard CDC class of USB is implemented and emulates COM port functionality to a standard USB port
- The demonstration board implements RS232 full hardware flow control using RTS and CTS
- The STM32 medium density line device performs the communication task (bridge) between the USB and RS232 (UART)
- A standard DB9 connector (female) is used for RS232 and therefore the user can directly connect this demonstration board to the PC
- The unit is bus-powered (this means it takes power from the USB bus)
- RoHS compliant



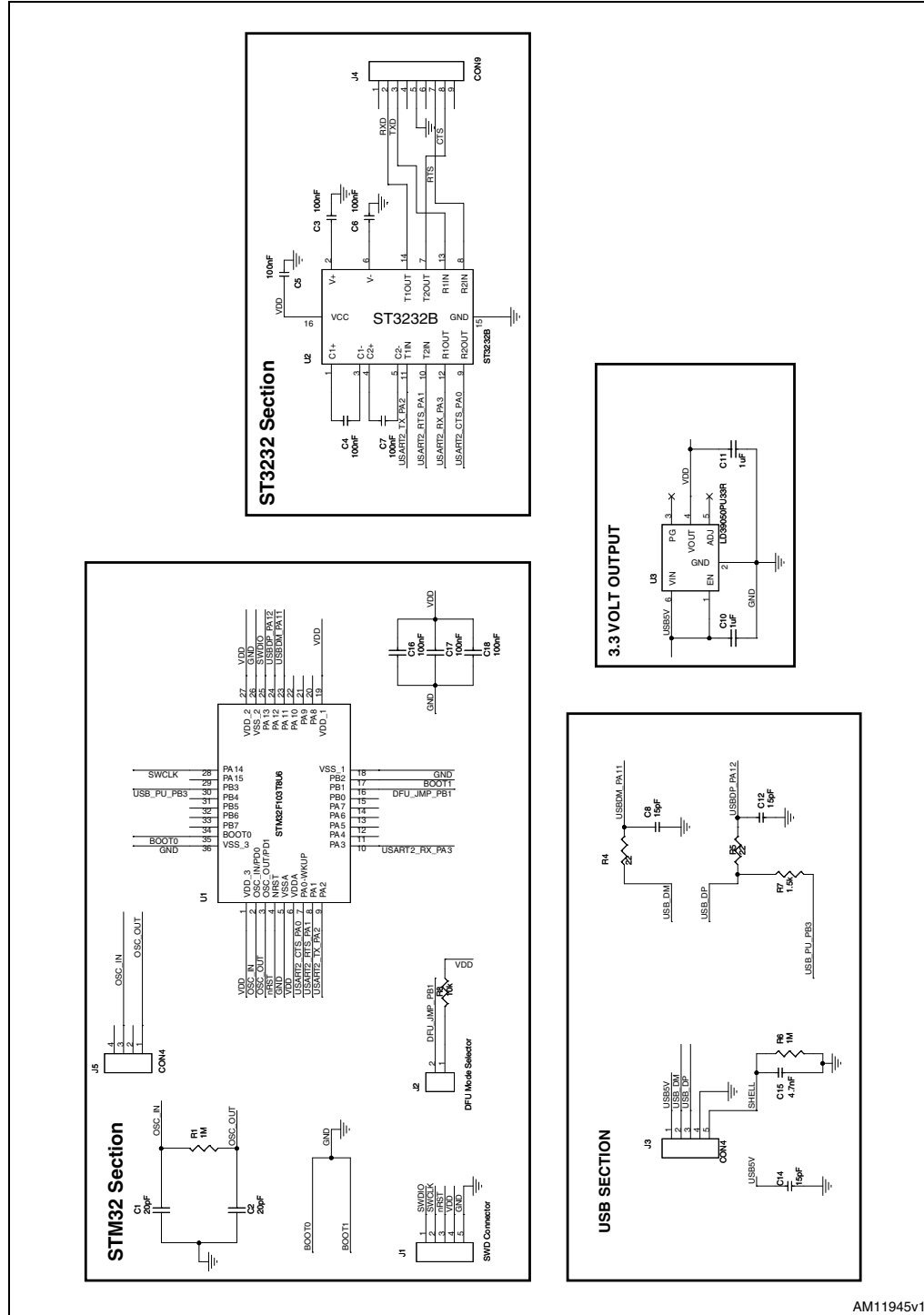
Description

The STEVAL-PCC015V1 demonstration board is an easy and compact solution in order to make a bridge between a standard USB port and a standard serial COM port. In modern PCs, USB is the standard communication port for almost all peripherals. However many industrial software applications and old equipment still use the classic COM port (UART).

The STEVAL-PCC015V1 demonstration board provides a simple solution to overcome this problem.

1 Schematic

Figure 1. STEVAL-PCC015V1 schematic



AM11945V1



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
20-Feb-2012	1	Initial release.

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