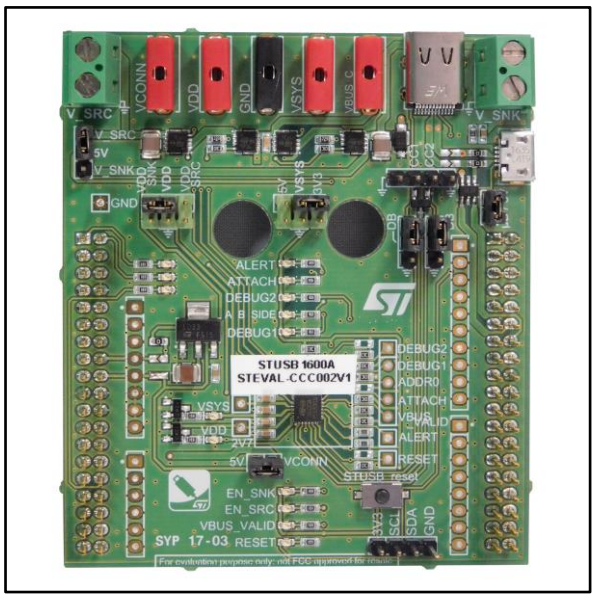
STEVAL-CCC002V1

STUSB1600A Type-C™ controller evaluation board

Data brief



Features

- 1 full-featured USB Type-C port (Source/Sink/Dual-role)
- STUSB1600A Type-C controller compliant with USB Type-C standard rel. 1.2 + ECR
- V_{BUS} power switches and discharge path
- V_{CONN} support (programmable current limit up to 600 mA)
- Dead Battery mode support
- Compatible with NUCLEO-F072RB board for configuration and debug interface

Description

The STEVAL-CCC002V1 evaluation board lets you prototype a full-featured 5 V USB Type-C port with STUSB1600A, which can be configured in a source, sink or dual power role.

Both source and sink V_{BUS} power paths are enabled directly by the STUSB1600A according to the port power role configuration and the attached device.

Jumpers are available to evaluate different power supply configurations for the STUSB1600A, based on the targeted application.

The various LEDs indicate the operating status of the STUSB1600A and USB Type-C port.

The USB Type-C port is pre-configured for 1.5 A USB Type-C current, Dual-role port and Dead Battery mode enabled.

For further information contact your local STMicroelectronics sales office

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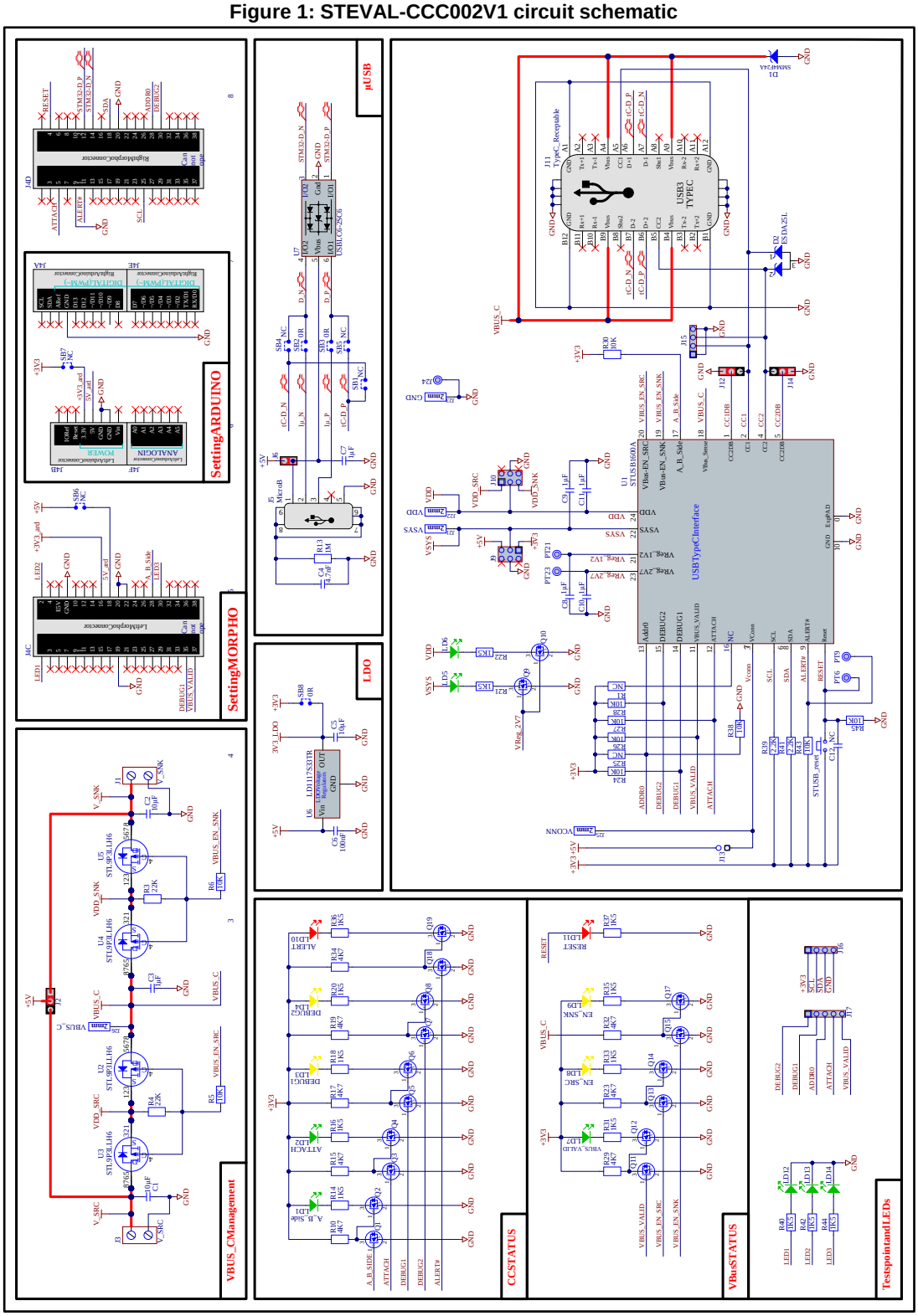
Schematic diagram

Figure 1: STEVAL-CCC002V1 circuit schematic



Revision history

Table 1: Document revision history

Date	Version	Changes
29-Sep-2017	1	Initial release

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