



STEVAL-ICB008V1

Touch-sensing software library demonstration board based on the STM8S

Data brief

Features

- Small outline with high density demonstration functions
- Powered by USB port without extra specific equipment/cable
- Two demonstration modes: offline and online
- Direct configuration for demonstration board via PC software
- Touchpad information logging on PC
- SWIM port reserved for debug use
- RoHS compliant

Description

The STEVAL-ICB008V1 demonstration board is designed on the STM8S RC touch solution enabling users to better understand the functions and performance of STMicroelectronics capacitive touch-sensing. The complete demonstration kit consists of 3 parts: an evaluation board, a PC GUI program and a USB cable (standard-B to mini-B).

Powered by the USB port of the PC, the board can be demonstrated in standalone. 19 LEDs are used to indicate touchpad information, including 11 keys and 1 slider. In addition, there are another 3 LEDs on the board indicating the system general status.

With a PC GUI program, the STM8S RC touch solution provides a simple platform to monitor more detailed information as well as configure critical parameters of the touch-sensing process.

For further details about the solution, please read the technical documentation available on www.st.com/touch-sense-sw-lib/.



1 Circuit schematic

Figure 1. Touchkey and driven shield, MCU, USB to UART

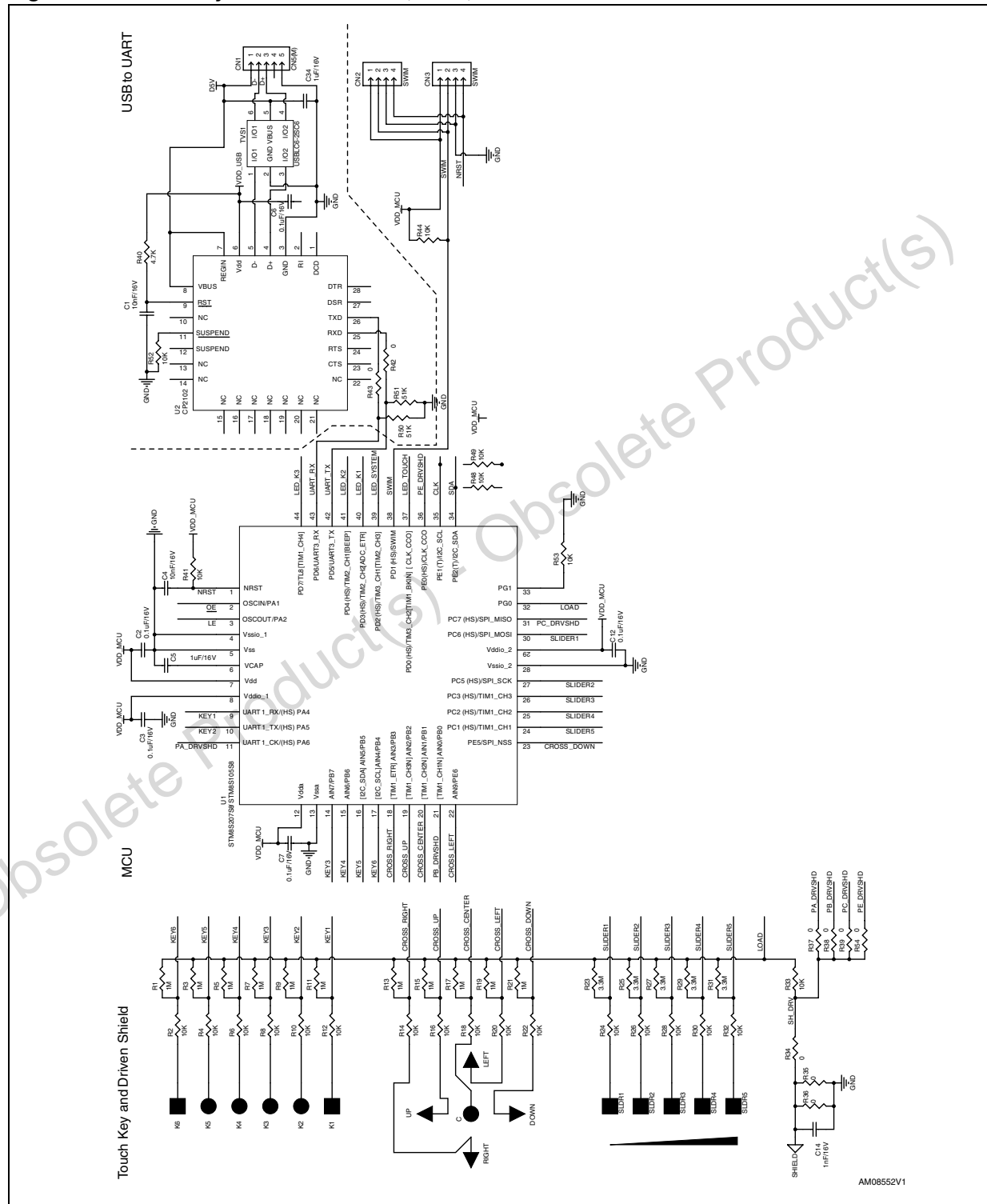


Figure 2. LED indicator

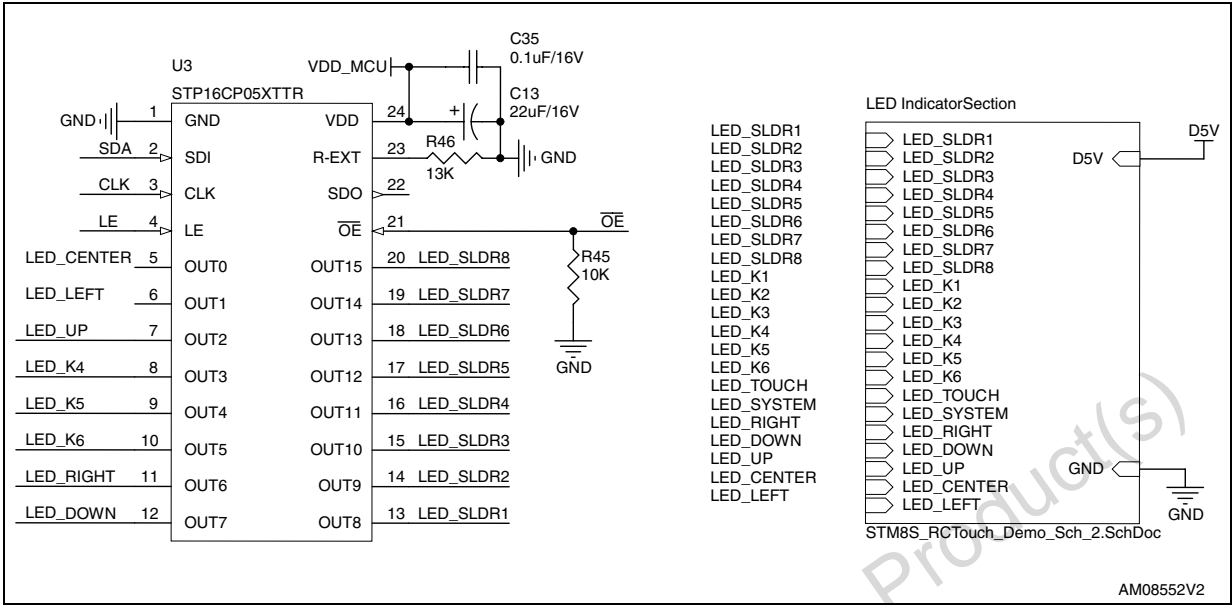


Figure 3. Power supply

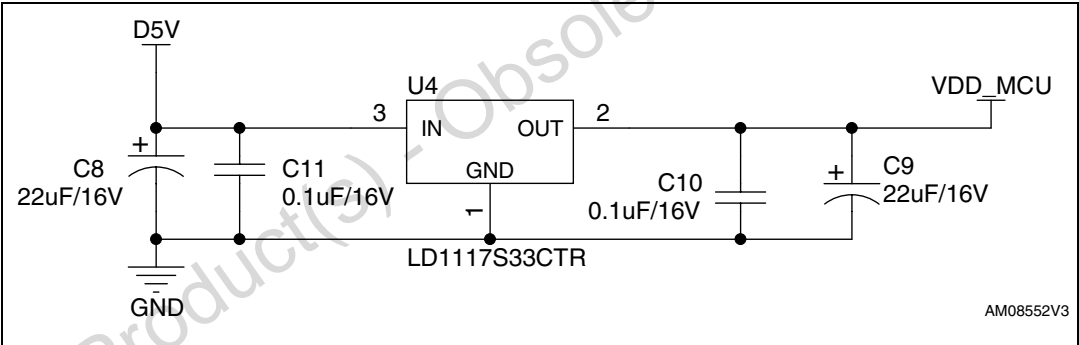
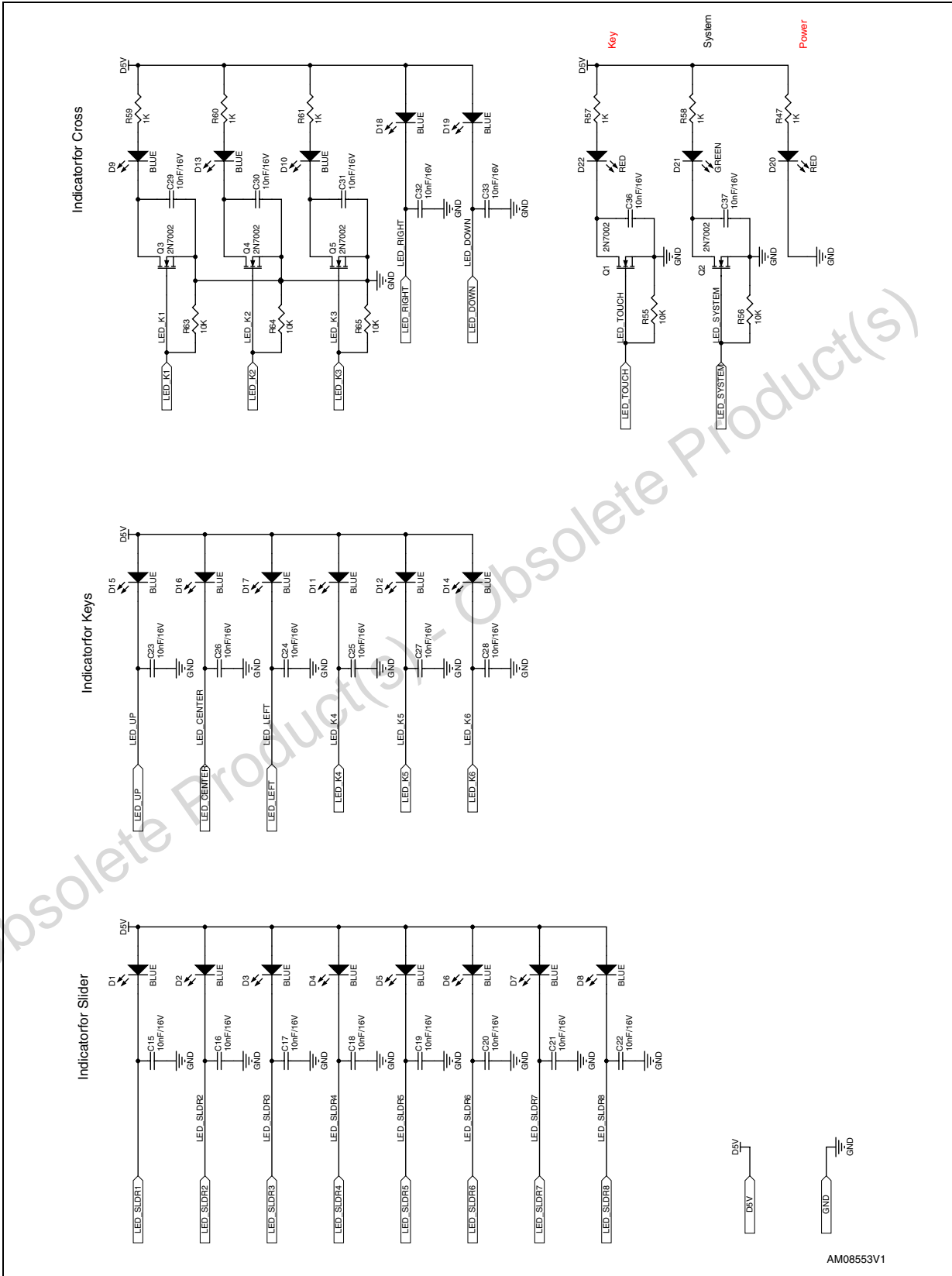


Figure 4. Indicator for slider, indicator for keys, and indicator for cross schematics



AM08553V1

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
18-Nov-2010	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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