



STEVAL-PCC009V3

S-Touch[®] product family interface demonstration board based on the STM32

Data brief

Features

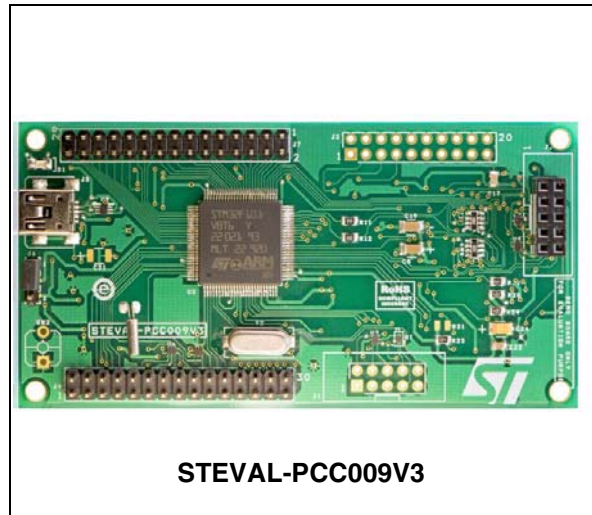
- Generic interface for various S-Touch[®] product family demonstration boards
- DFU capability for reprogramming
- 10-pin interface for serial communication
- USB powered
- RoHS compliant

Description

The STEVAL-PCC009V3 is a demonstration motherboard based on the STM32 microcontroller, used as the generic interface for various S-Touch[®] product family demonstration daughterboards (e.g. STEVAL-ICB002V1 based on the STMPE821).

Power to the STEVAL-PCC009V3 is provided by a USB mini B-type connector, while power to the capacitive touch daughterboards is supplied by the STEVAL-PCC009V3 via the 10-pin connector.

The STEVAL-PCC009V3 is also able to work in DFU mode to reprogram the STM32 microcontroller.



1 Schematic diagrams

Figure 1. Microcontroller

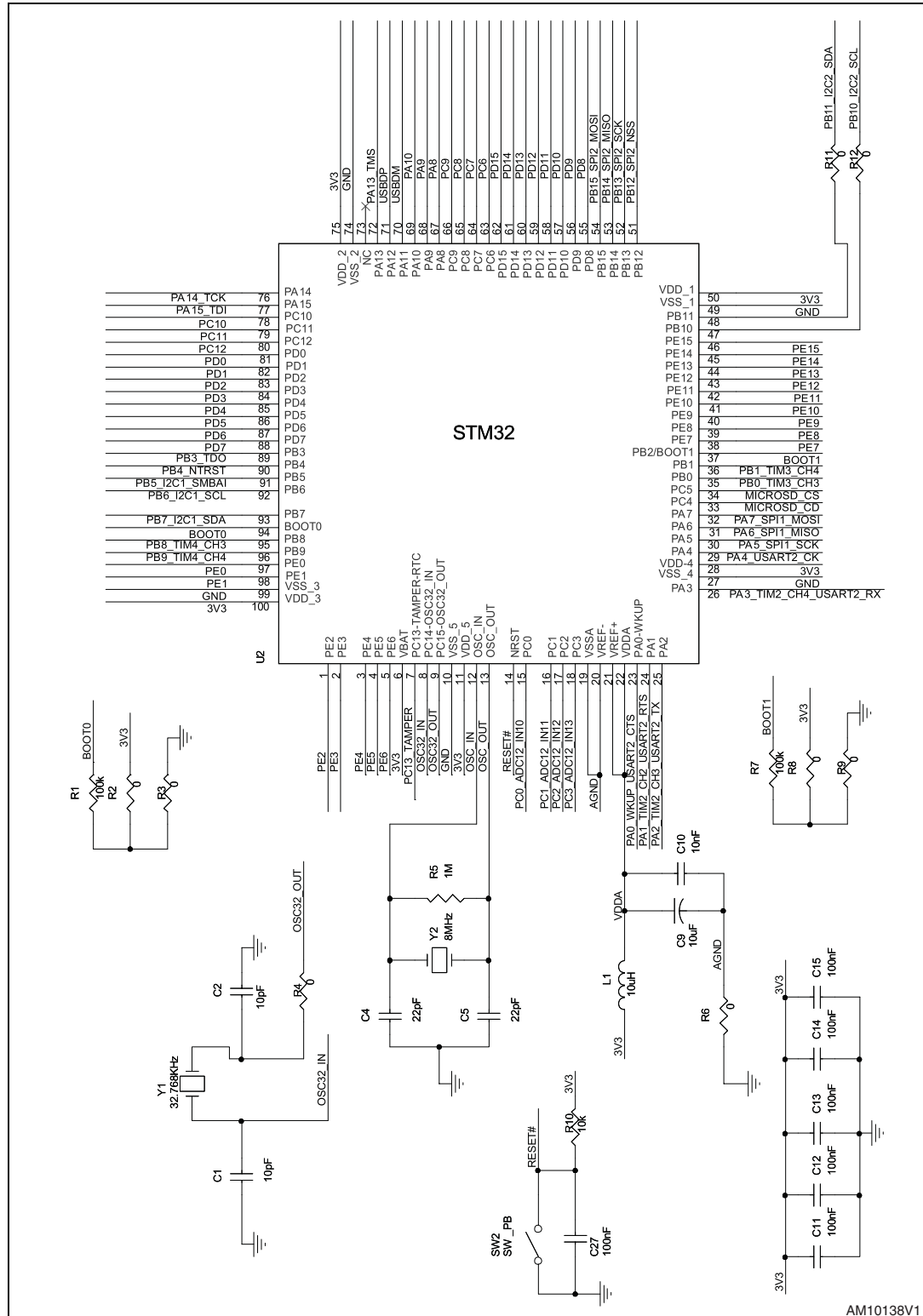
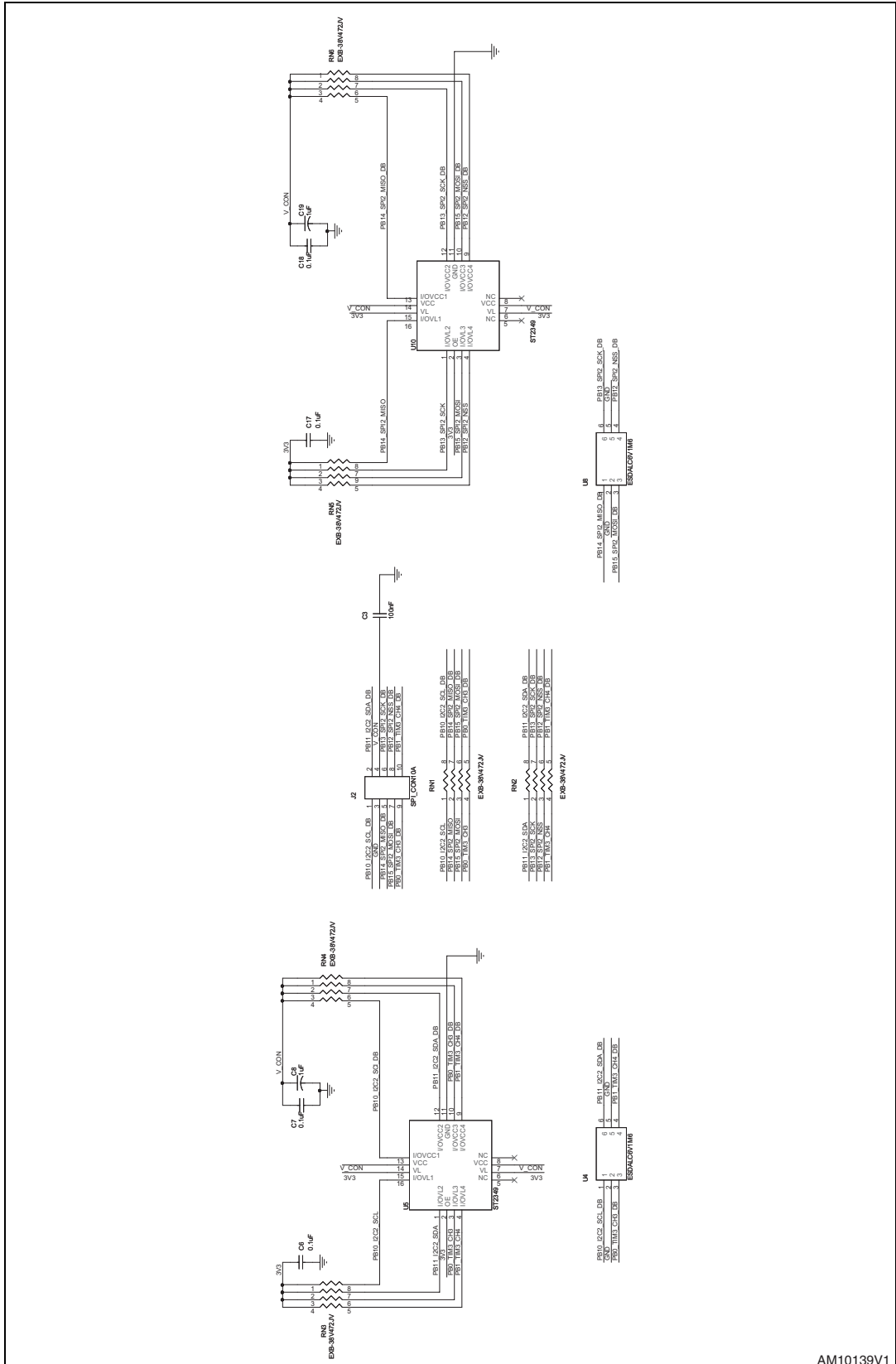


Figure 2. Synchronous interface



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Figure 3. Extension board interface

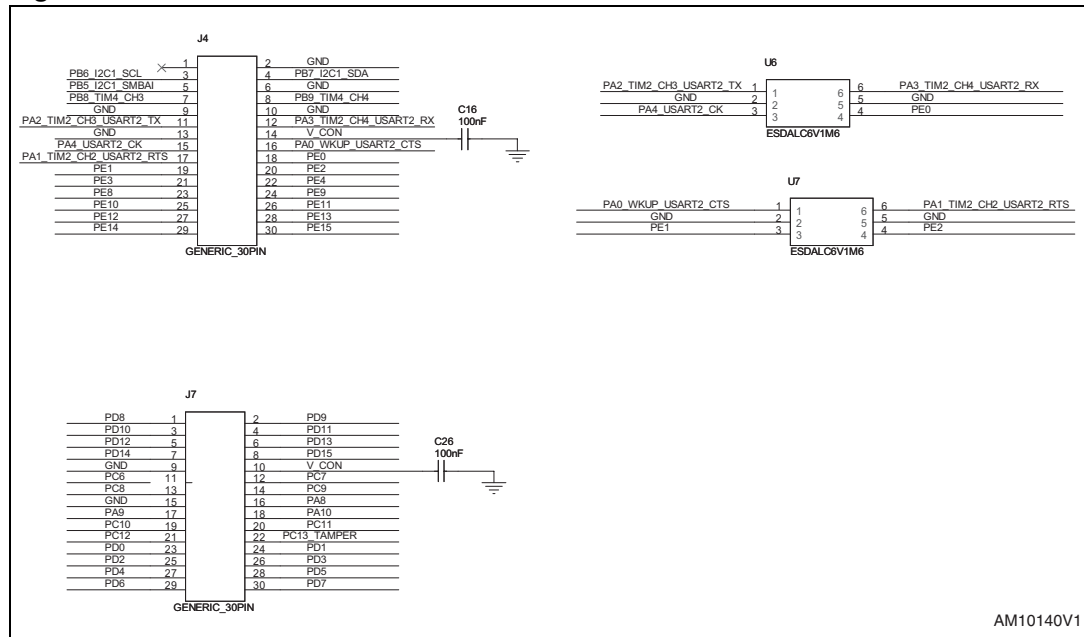


Figure 4. MicroSD

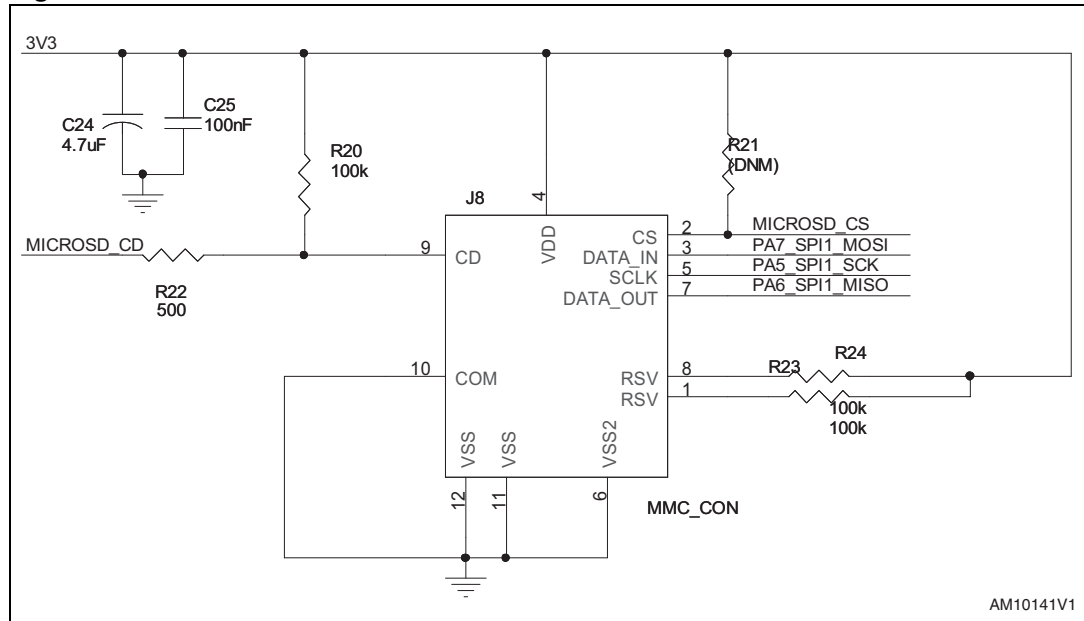
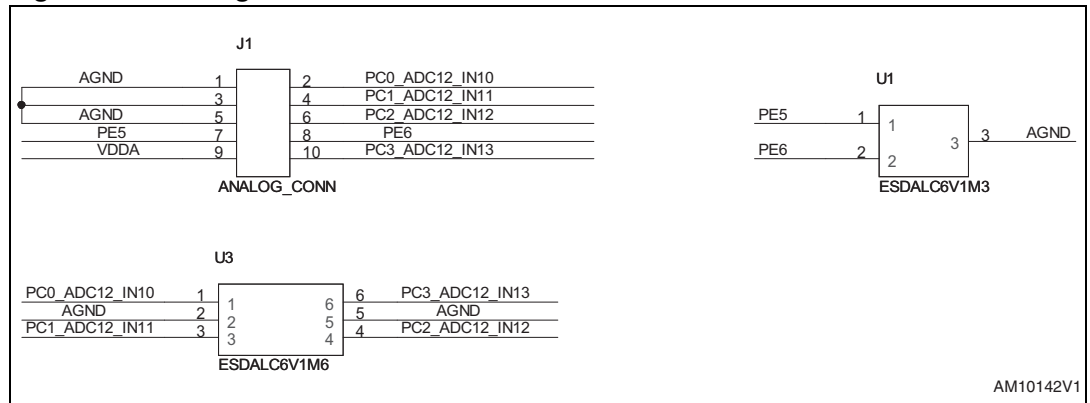
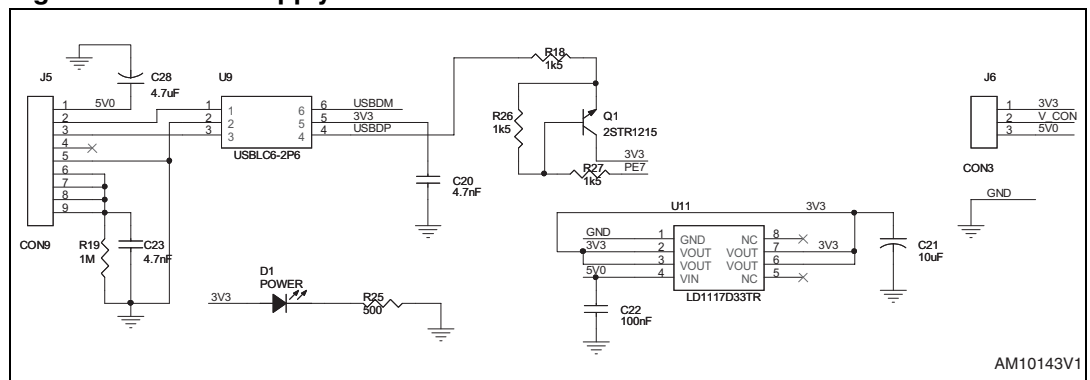


Figure 5. Analog interface



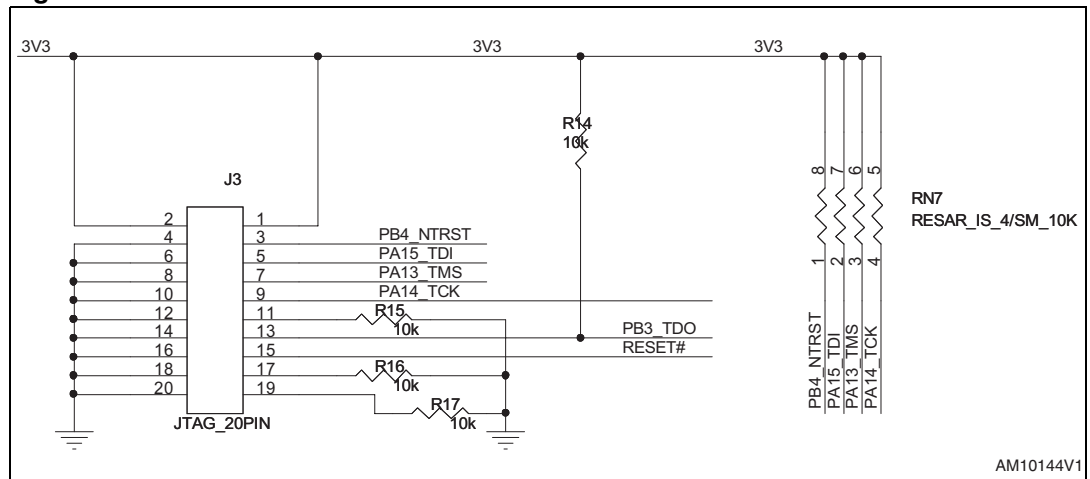
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Figure 6. Power supply



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Figure 7. JTAG interface



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2 Revision history

Table 1. Document revision history

Date	Revision	Changes
15-Sep-2011	1	Initial release.

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