



STEVAL-PCC009V3

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

Data brief

Features

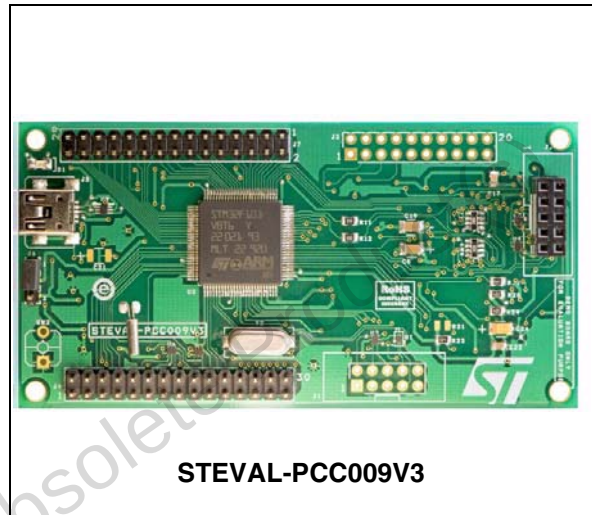
- Generic interface for various S-Touch[®] product family demonstration boards
- DFU capability for reprogramming
- 10-pin interface for serial communication
- USB powered
- RoHS compliant

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

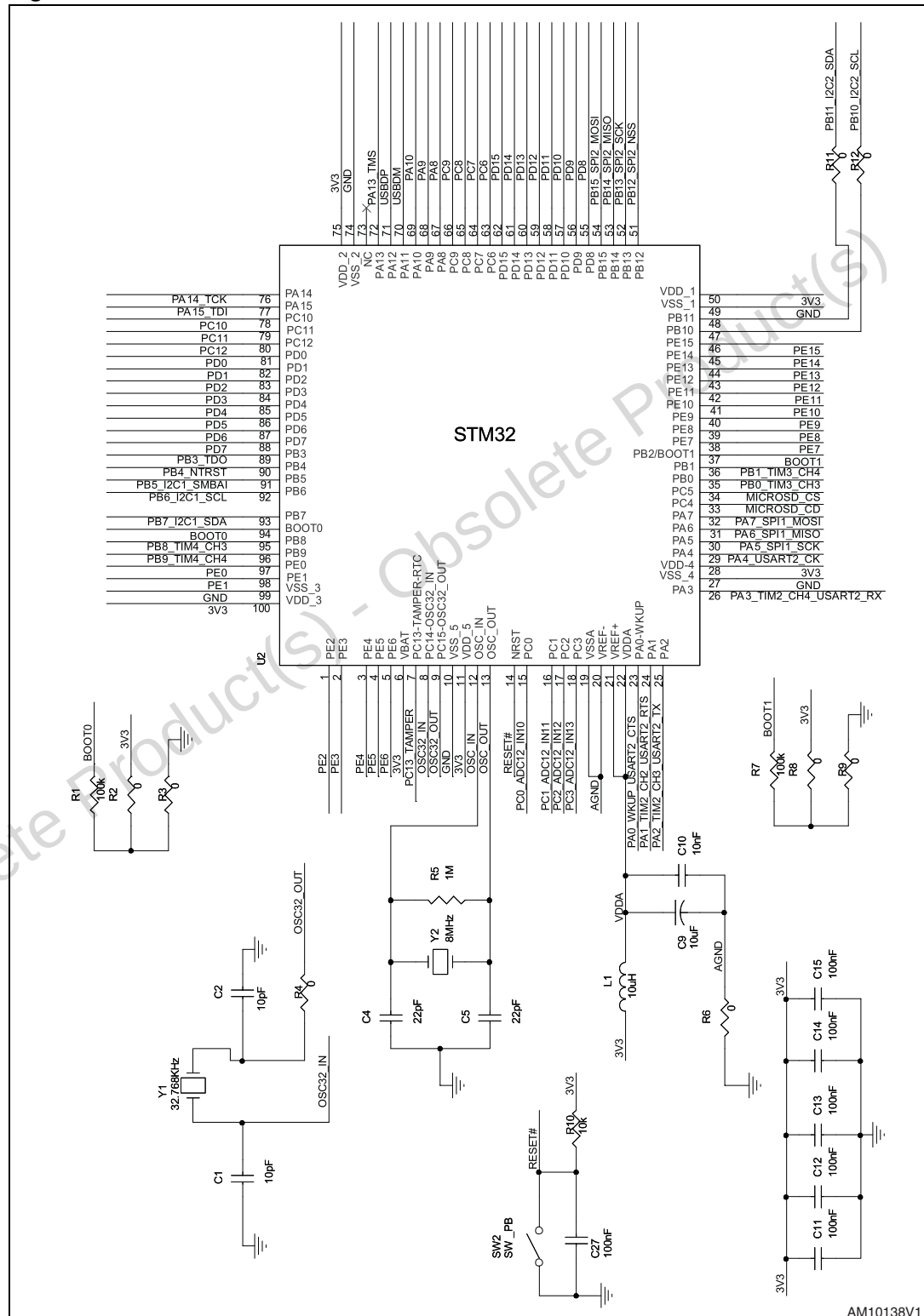


Figure 2. Synchronous interface

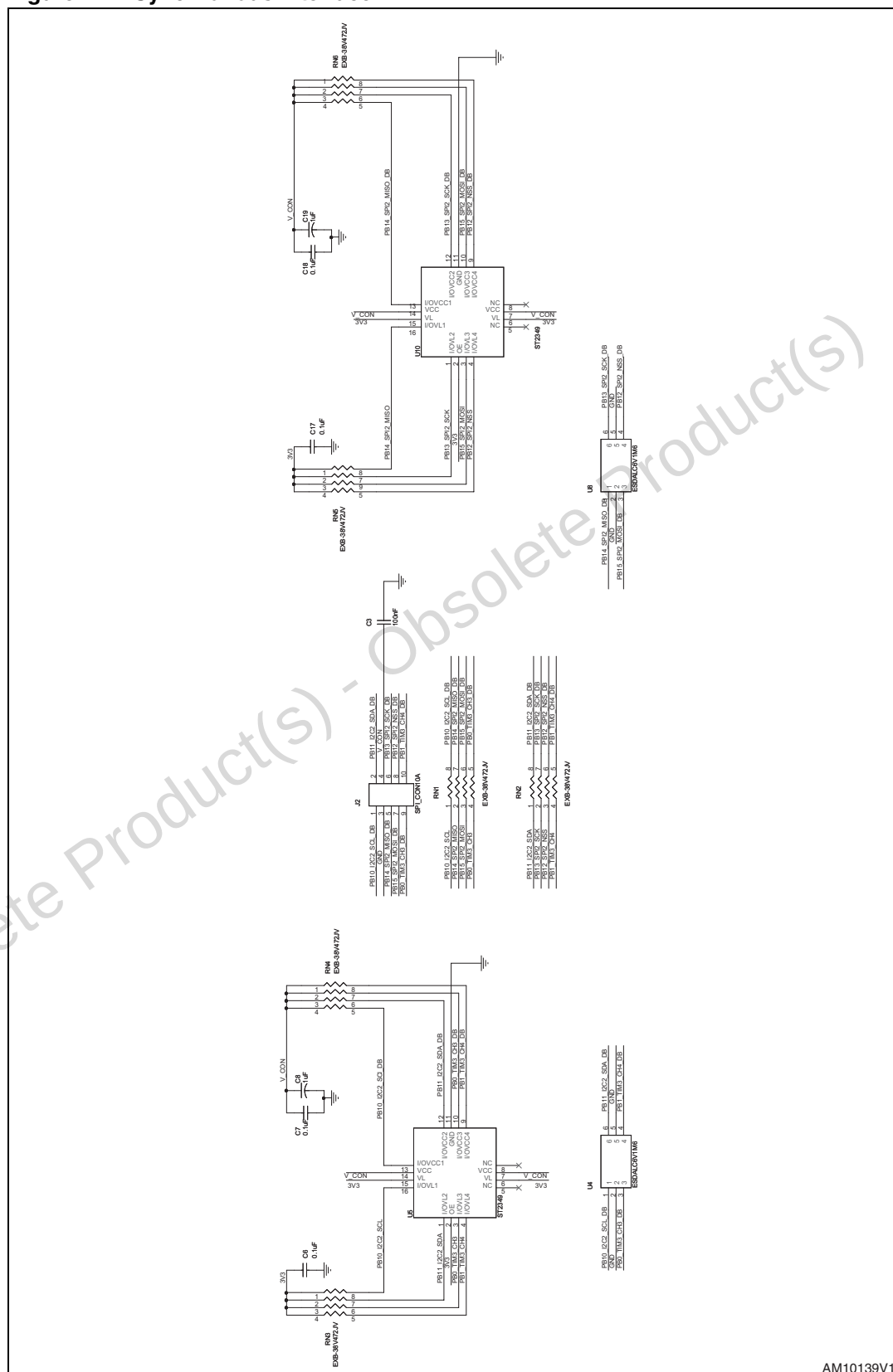
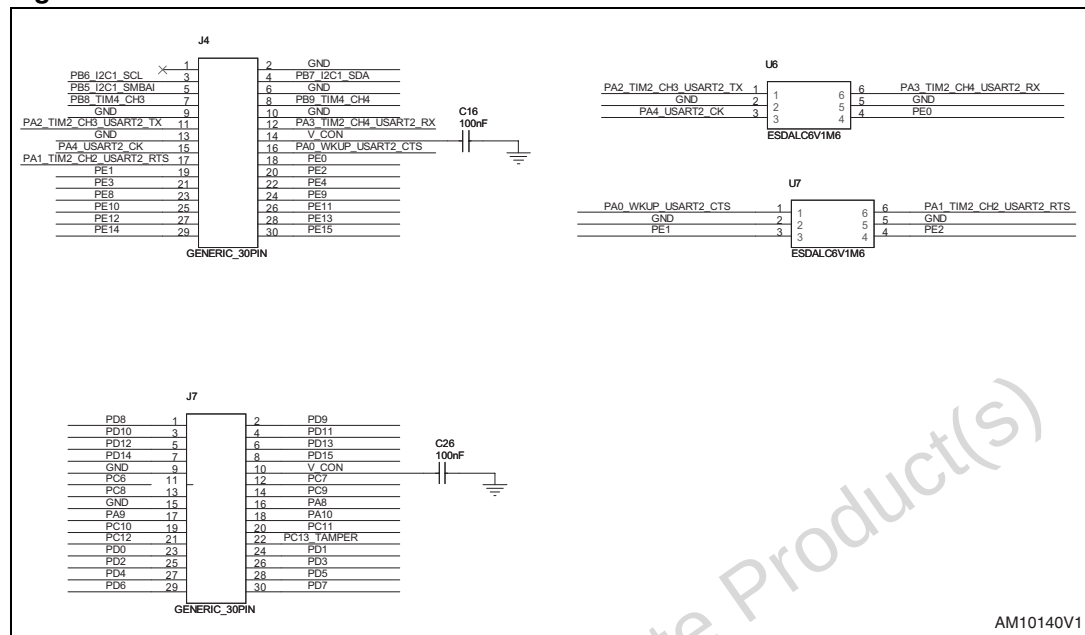
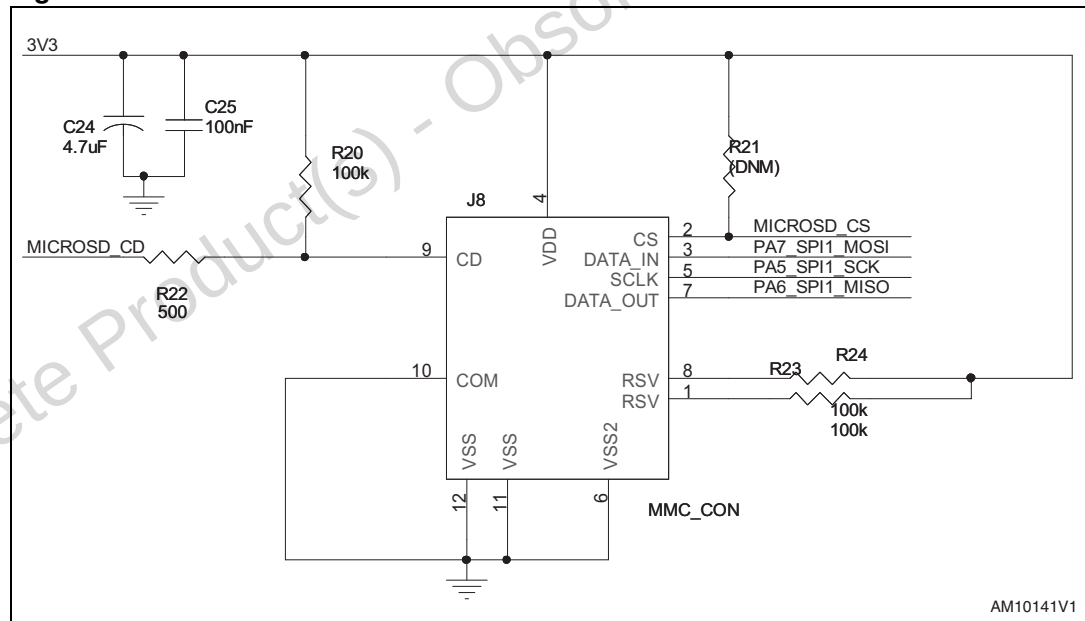


Figure 3. Extension board interface



AM10140V1

Figure 4. MicroSD



AM10141V1

Figure 5. Analog interface

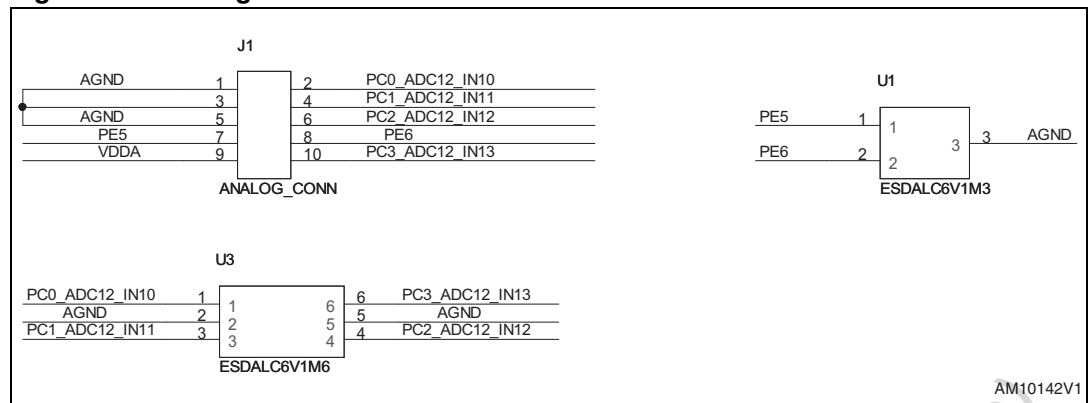


Figure 6. Power supply

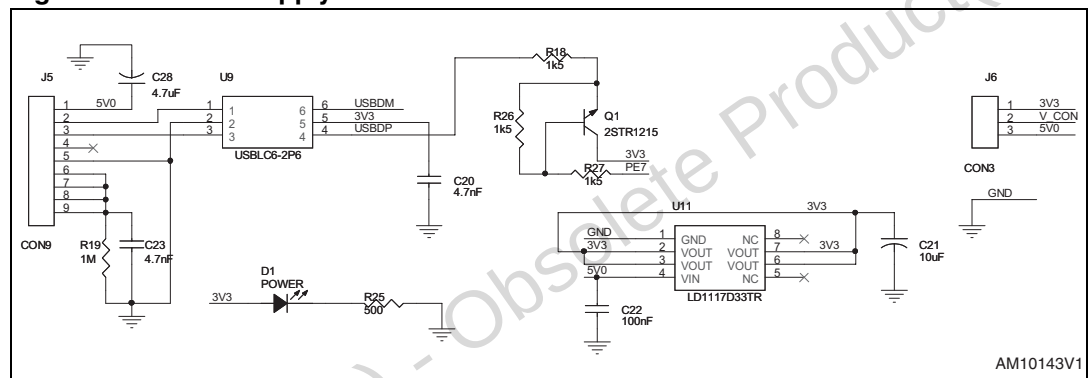
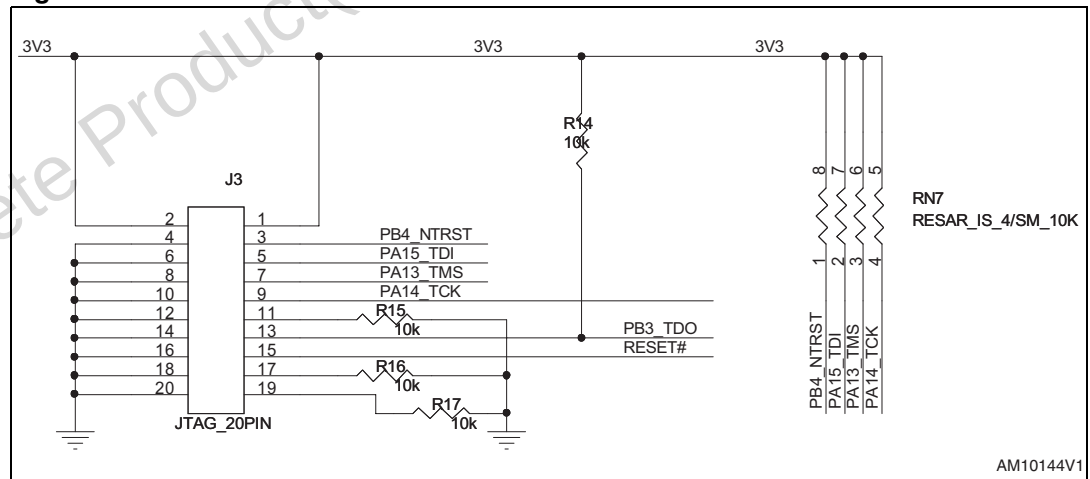


Figure 7. JTAG interface



2 Revision history

Table 1. Document revision history

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

Obsolete Product(s) - Obsolete Product(s)

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