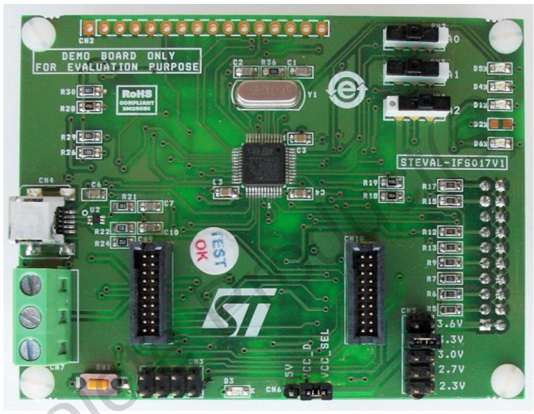
STEVAL-IFS017V1

Multiple-device temperature sensor and RTC demonstration board based on the STM32

Data brief

Features

- Multiple device temperature sensor
- USB powered
- RoHS compliant



STEVAL-IFS017V1

Description

The STEVAL-IFS017V1 demonstration board provides an evaluation platform for testing multiple temperature sensor and real-time clock (RTC) ICs from STMicroelectronics. The STEVAL-IFS017V1 acts as a motherboard based on the STM32 microcontroller, to which different daughter cards with temperature sensors and RTCs can be connected.

The temperature sensors supported by this system are: the STLM20, STTS424E02, STTS75, STDS75, STLM75, STCN75, STTS751, and STTS2002.

RTCs supported by this system are: the M41T82SM6, M41T83SQA6, M41T83SMY6.

The STEVAL-IFS017V1 demonstration board can operate in USB powered mode with a graphical user interface (GUI). The graphical user interface is used to access the registers and demonstrate the features of temperature sensors and RTCs.

1 Schematic diagrams (1 of 3)

Figure 1. Schematic diagram (part 1)

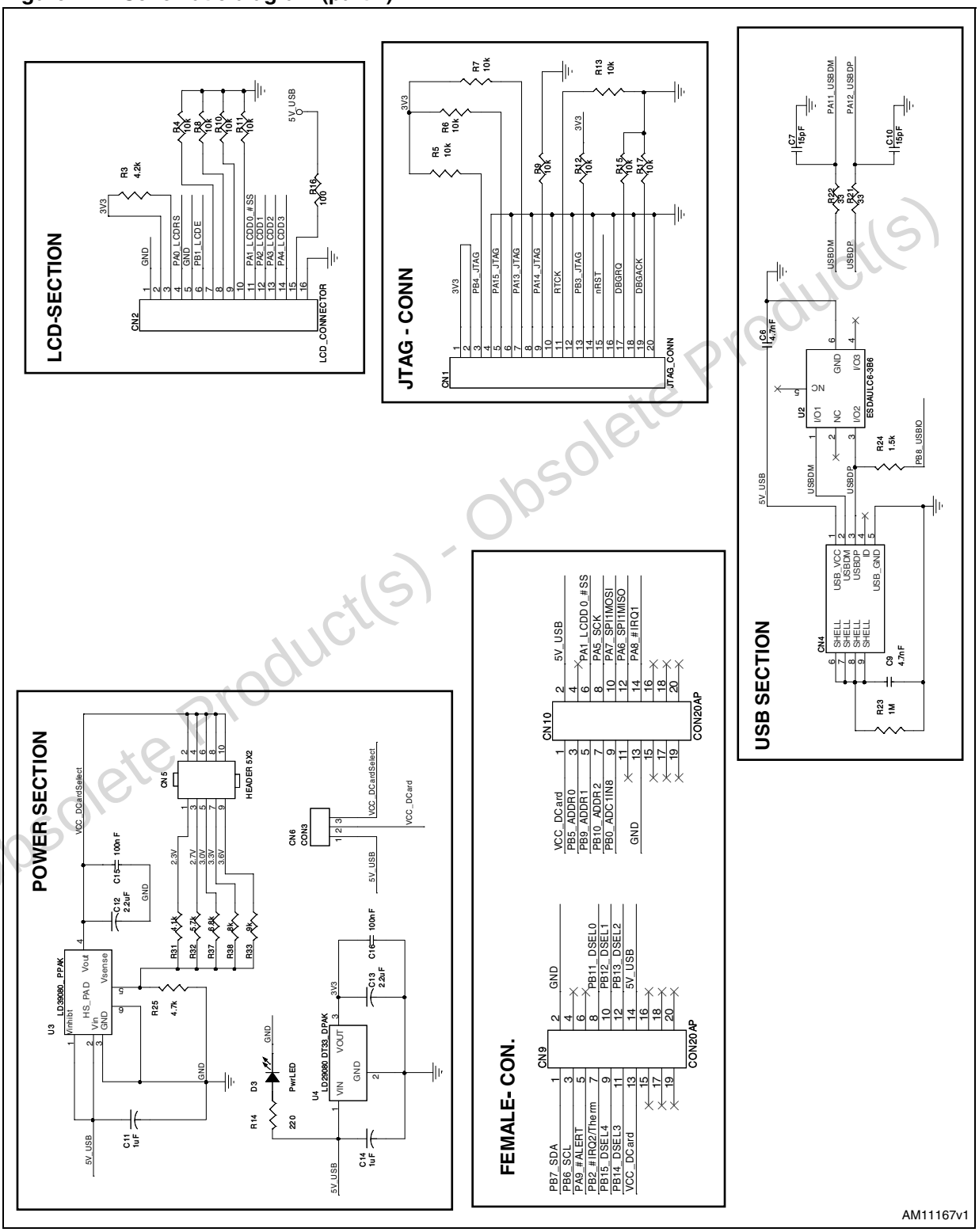


Figure 2. Schematic diagram (part 2)

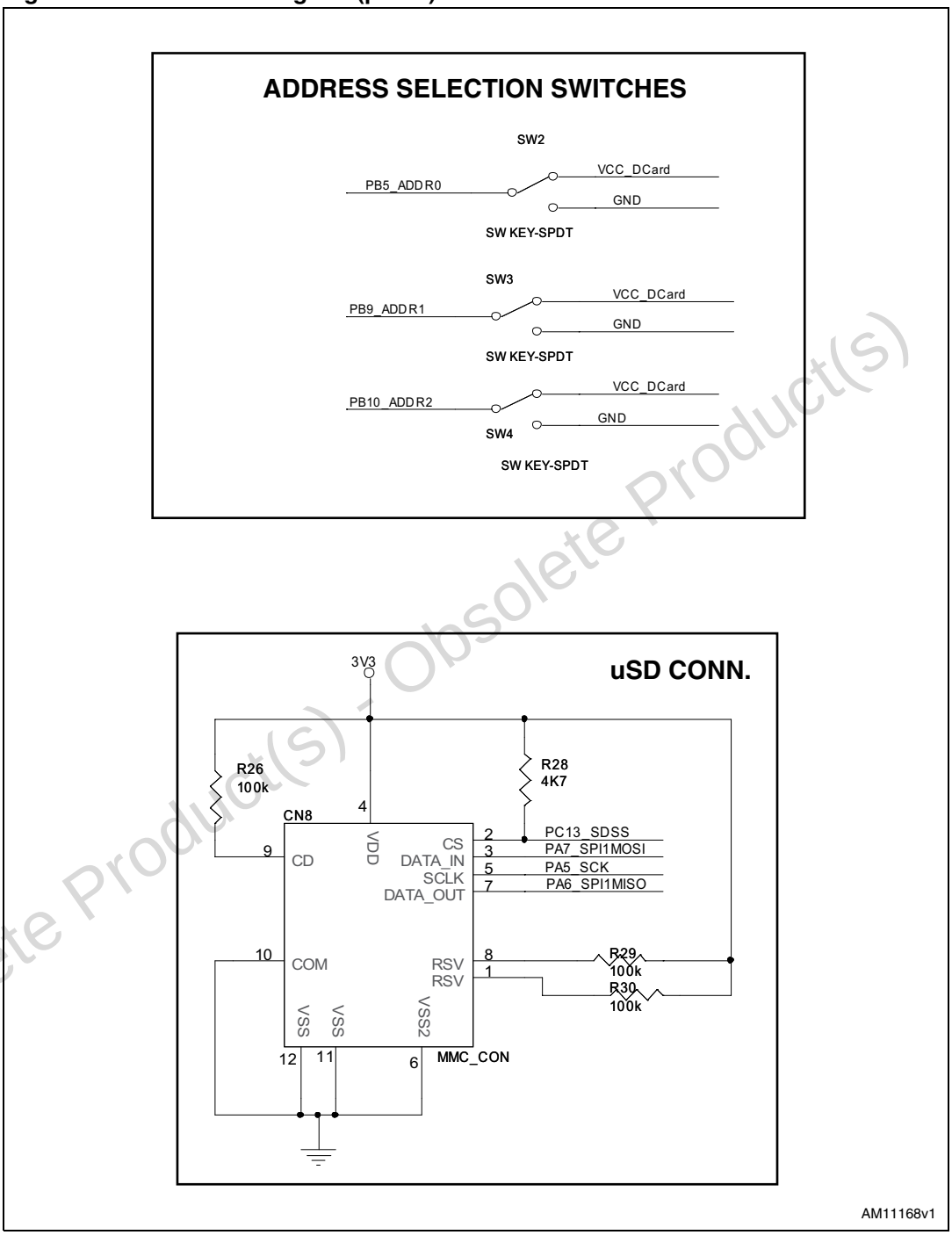
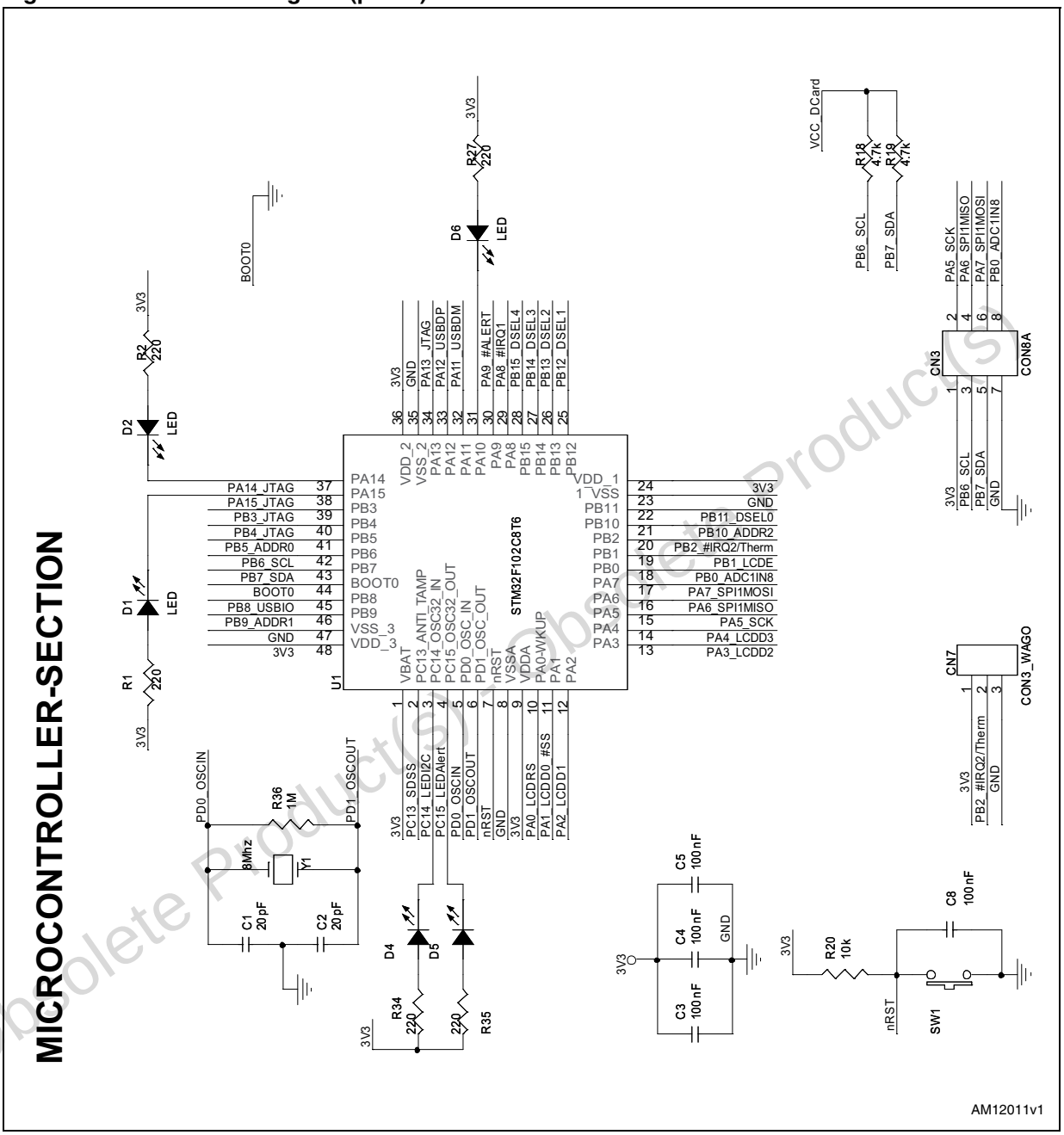


Figure 3. Schematic diagram (part 3)



2 Revision history

Table 1. Document revision history

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

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