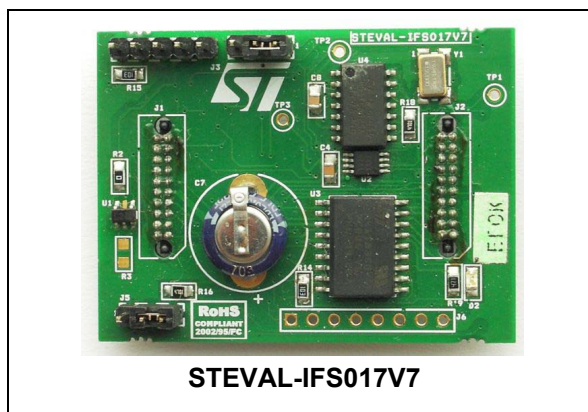


## M41TC8025 RTC daughterboard for connection to the STEVAL-IFS017V1 motherboard

Data brief



### Features

- Multiple-device temperature sensor
- USB powered
- RoHS compliant

### Description

The STEVAL-IFS017V7 demonstration board is a temperature sensor daughterboard based on ST's M41TC8025 highly accurate, temperature-compensated serial real-time clock (RTC) with embedded crystal.

The STEVAL-IFS017V7 can be connected to the STEVAL-IFS017V1 motherboard platform to test the temperature sensor and real-time clock.

# 1 Schematic diagrams

Figure 1. MALE\_CON. circuit schematic

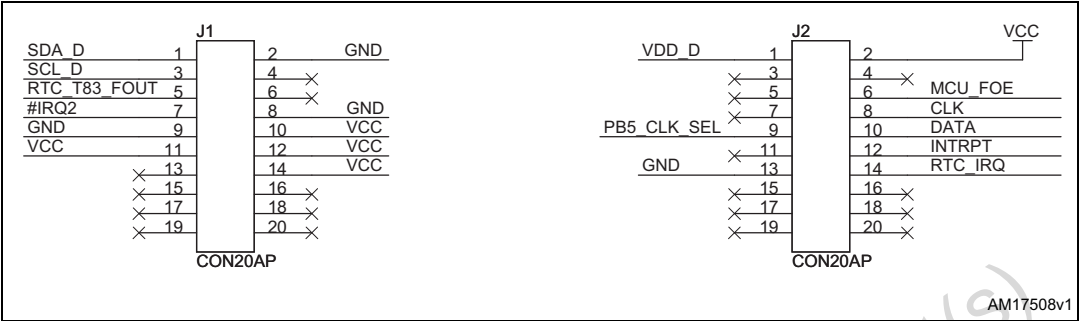


Figure 2. TS431BILT (in SOT23-5L) circuit schematic

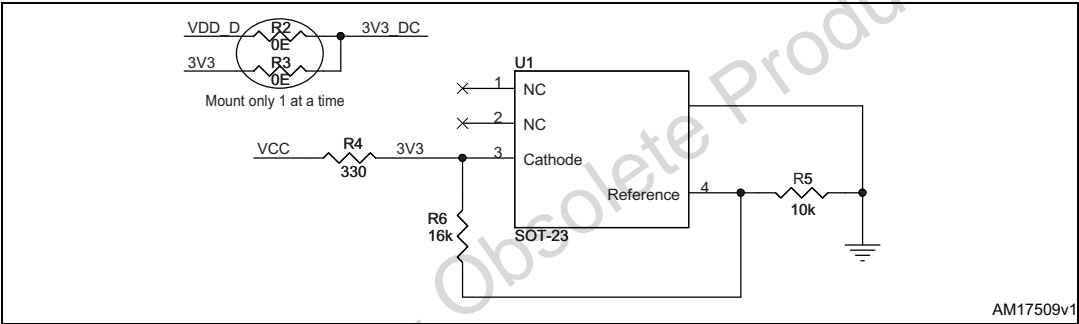


Figure 3. STTS75 (in TSSOP8) circuit schematic

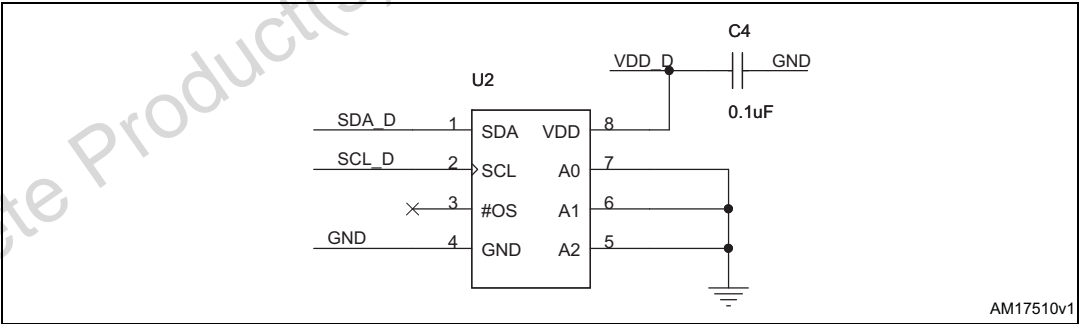


Figure 4. TCXO circuit schematic

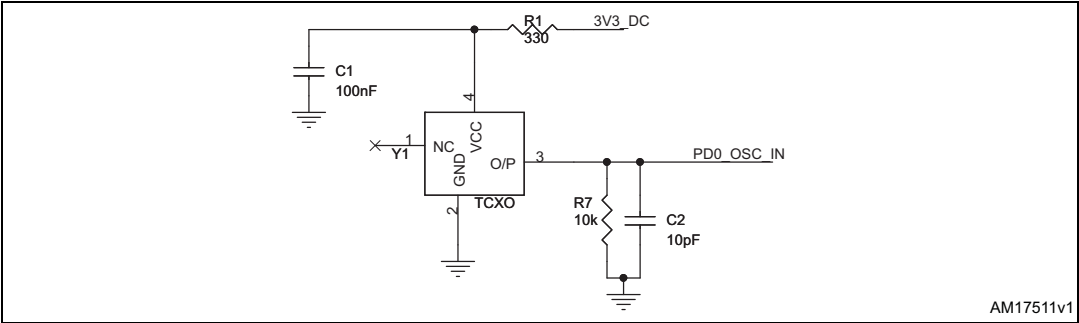
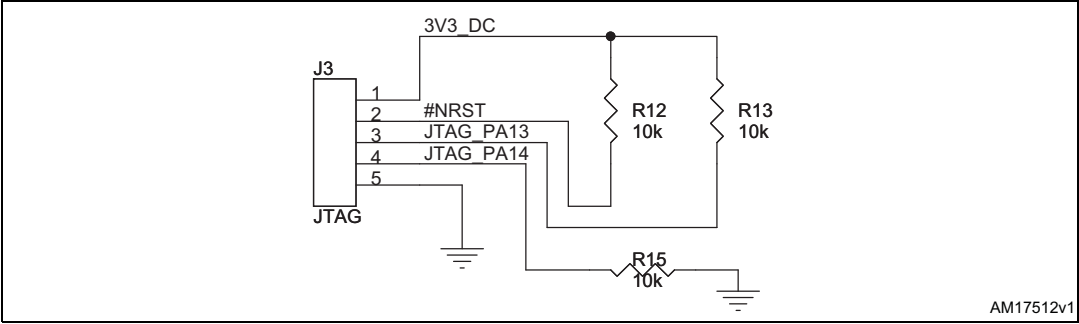
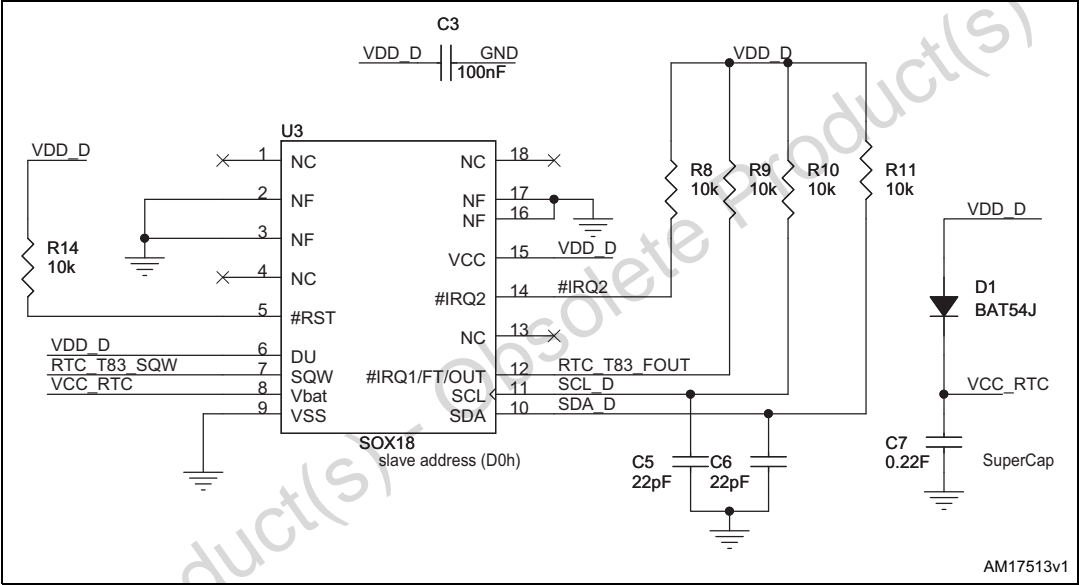


Figure 5. JTAG circuit schematic



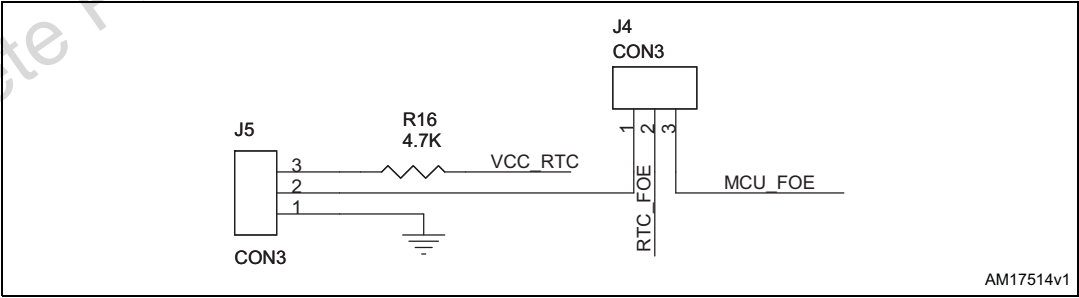
AM17512v1

Figure 6. M41T83S (in SOX18) circuit schematic



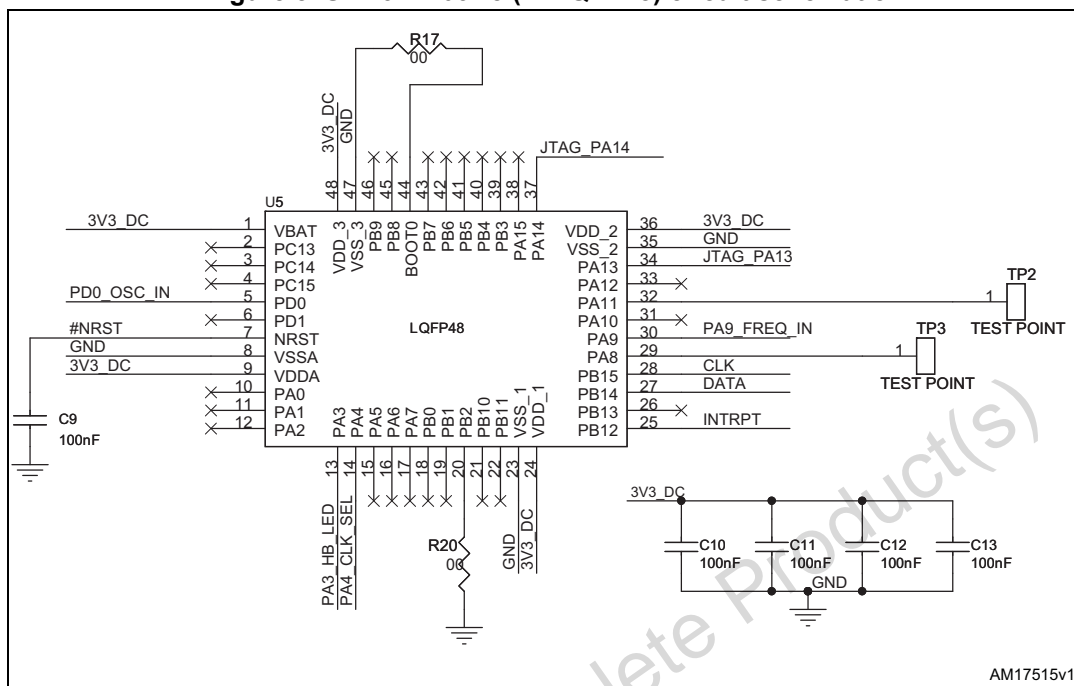
AM17513v1

Figure 7. Frequency output selector circuit schematic

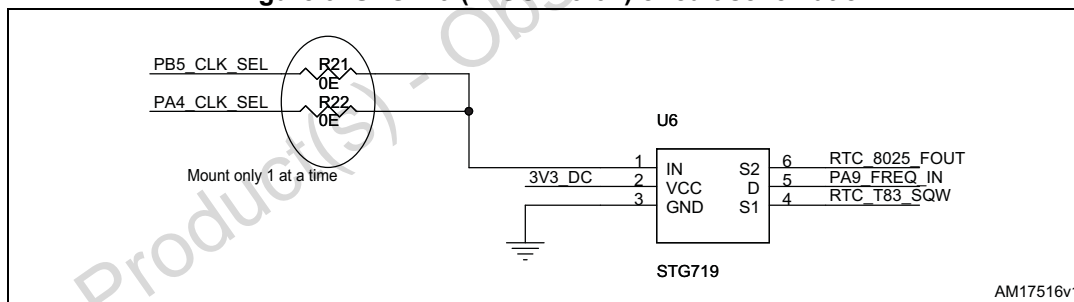


AM17514v1

**Figure 8. STM32F103C8 (in LQFP48) circuit schematic**



**Figure 9. STG719 (in SOT23-6L) circuit schematic**



**Figure 10. M41TC8025 (in SO14) circuit schematic**

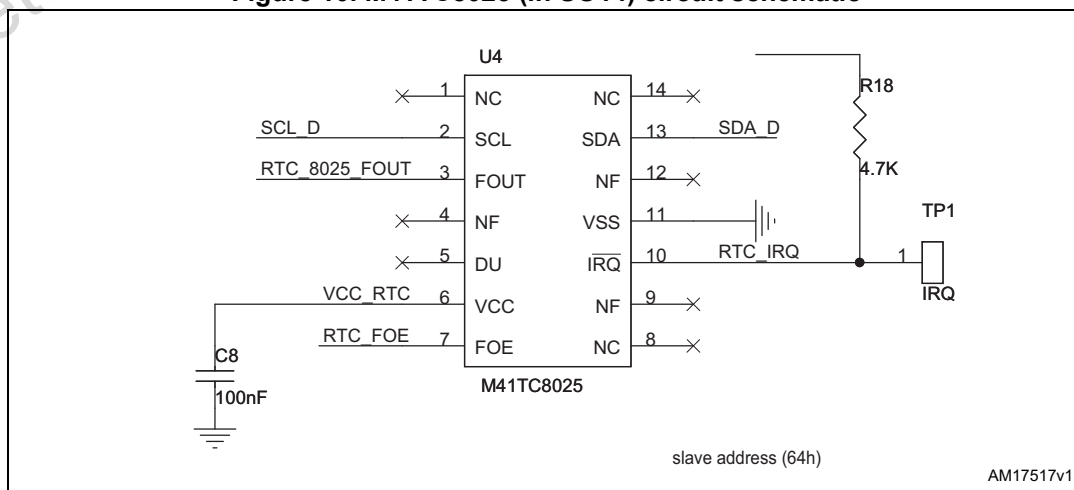
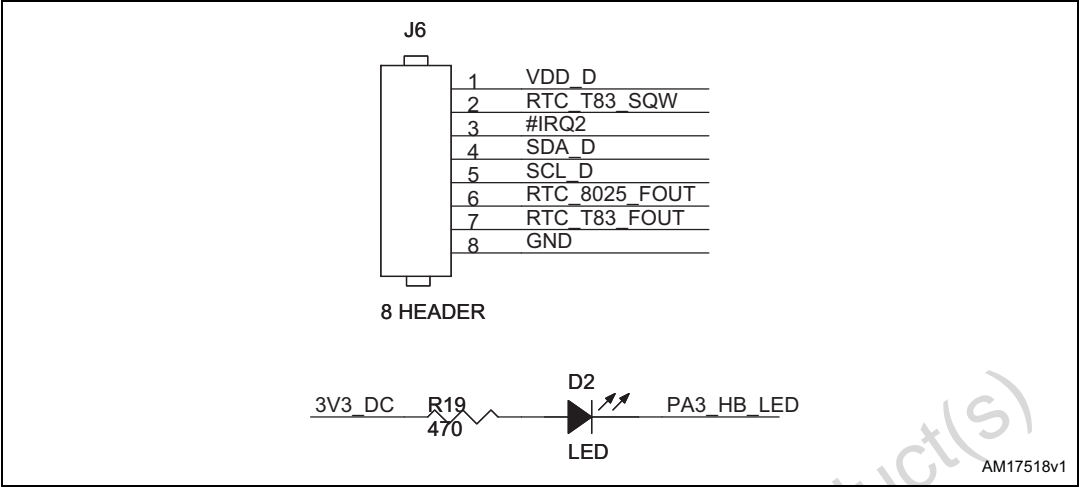


Figure 11. Power indicator LED circuit schematic



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
30-Sep-2013	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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