



# STEVAL-IFR002V1

RTC calibration daughterboard based on the  
M41T83SQA6F to be used with STEVAL-IFS012V1

Data brief

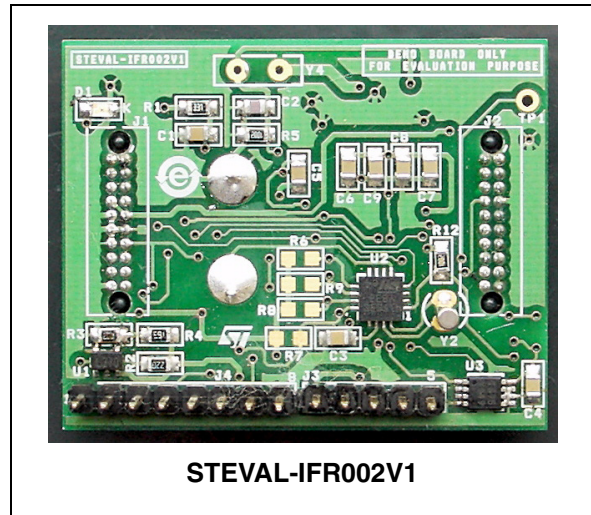
## Features

- M41T83SQA6F RTC in QFN16 package mounted on daughter card.
- RoHS compliant

## Description

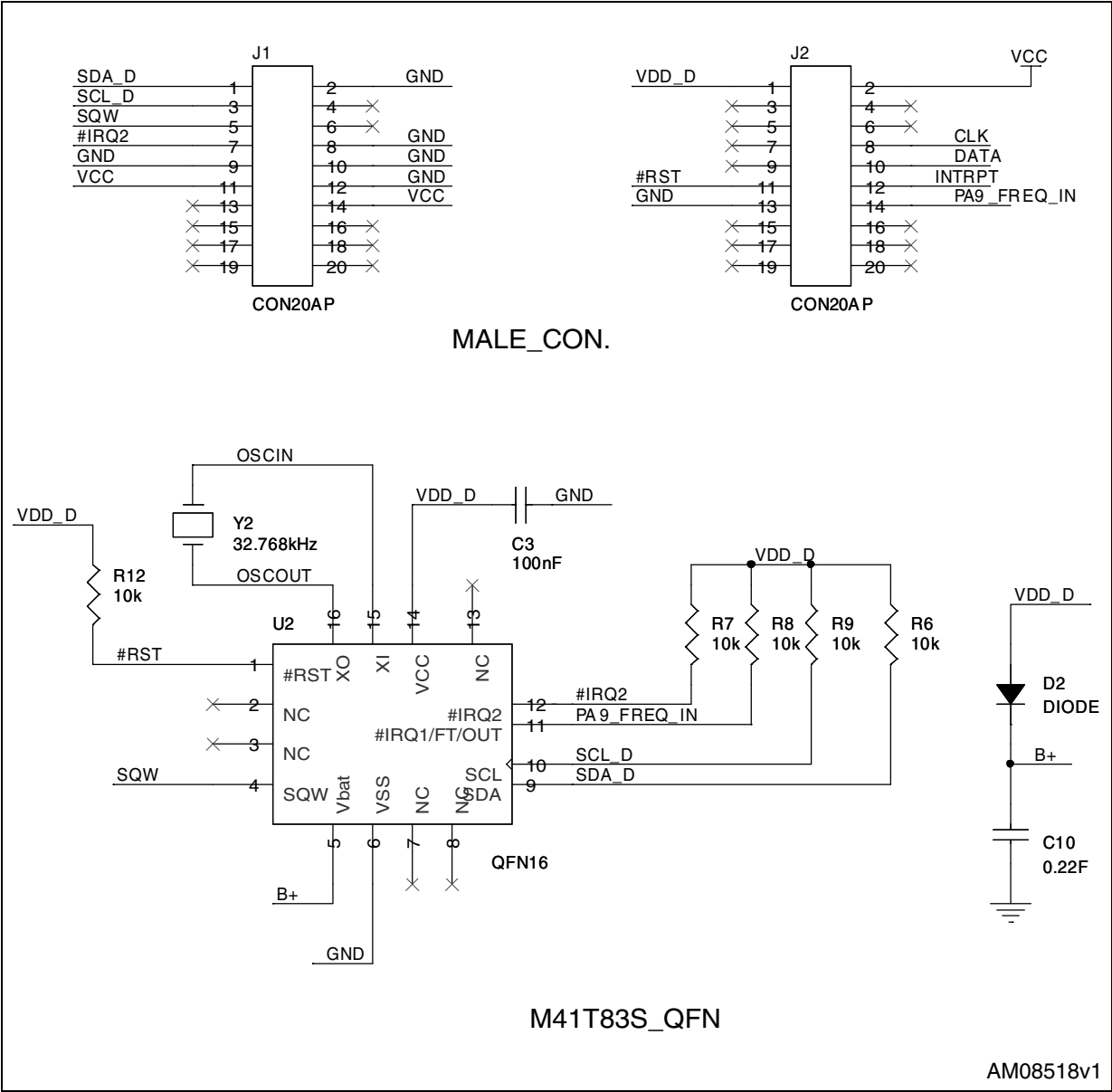
The STEVAL-IFR002V1 is an RTC calibration demonstration daughter card to be used in connection with STEVAL-IFS012V1, a multi-device temperature sensor demonstration motherboard. STEVAL-IFS012V1 supports the demonstration of four RTCs; M41T81S RTC mounted on motherboard, M41T82 (SO-8 package) mounted on separate STEVAL-IFR001V1 daughter card, M41T83(QFN package) mounted on separate STEVAL-IFR002V1 daughter card, and M41T83 (SOX18 package) mounted on separate STEVAL-IFR003V1 daughter card.

RTC mode of the GUI is chosen through the RTC selection icon on the GUI.



# 1 Circuit schematics

Figure 1. Schematic 1 of 5



**Figure 2. Schematic 2 of 5**

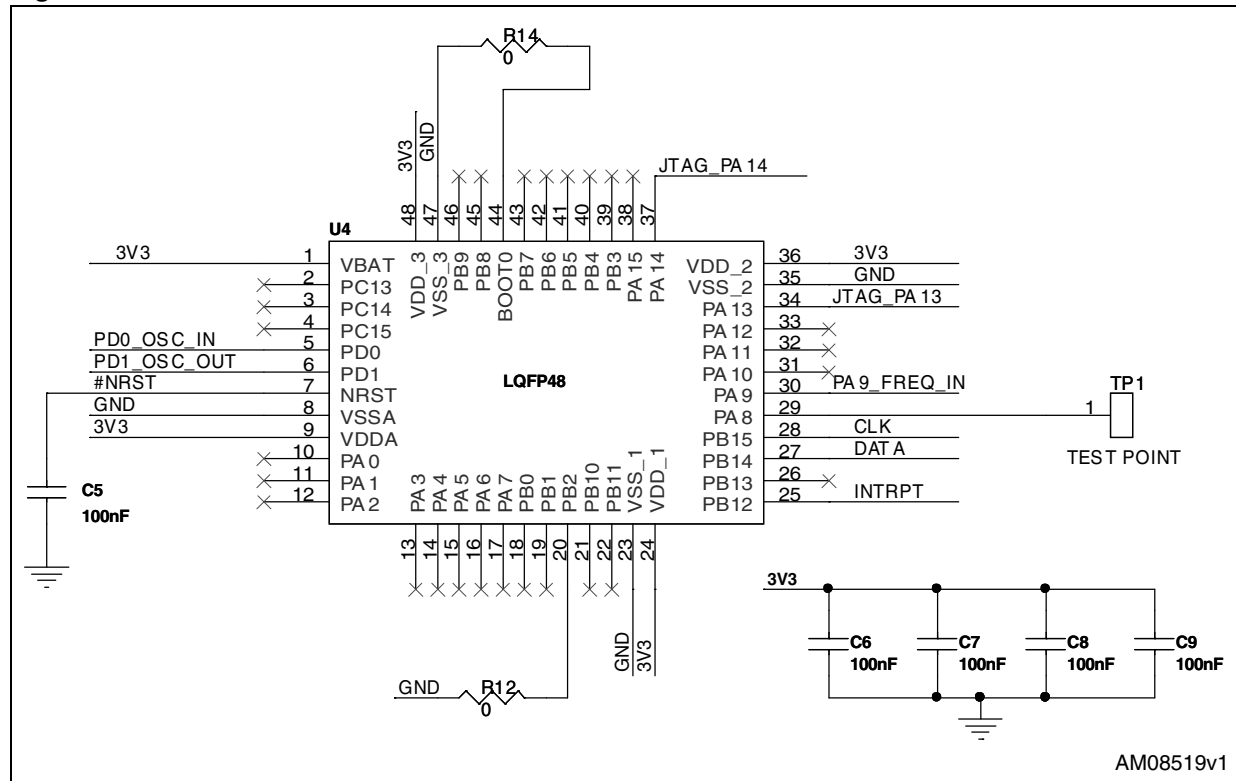


Figure 3. Schematic 3 of 5

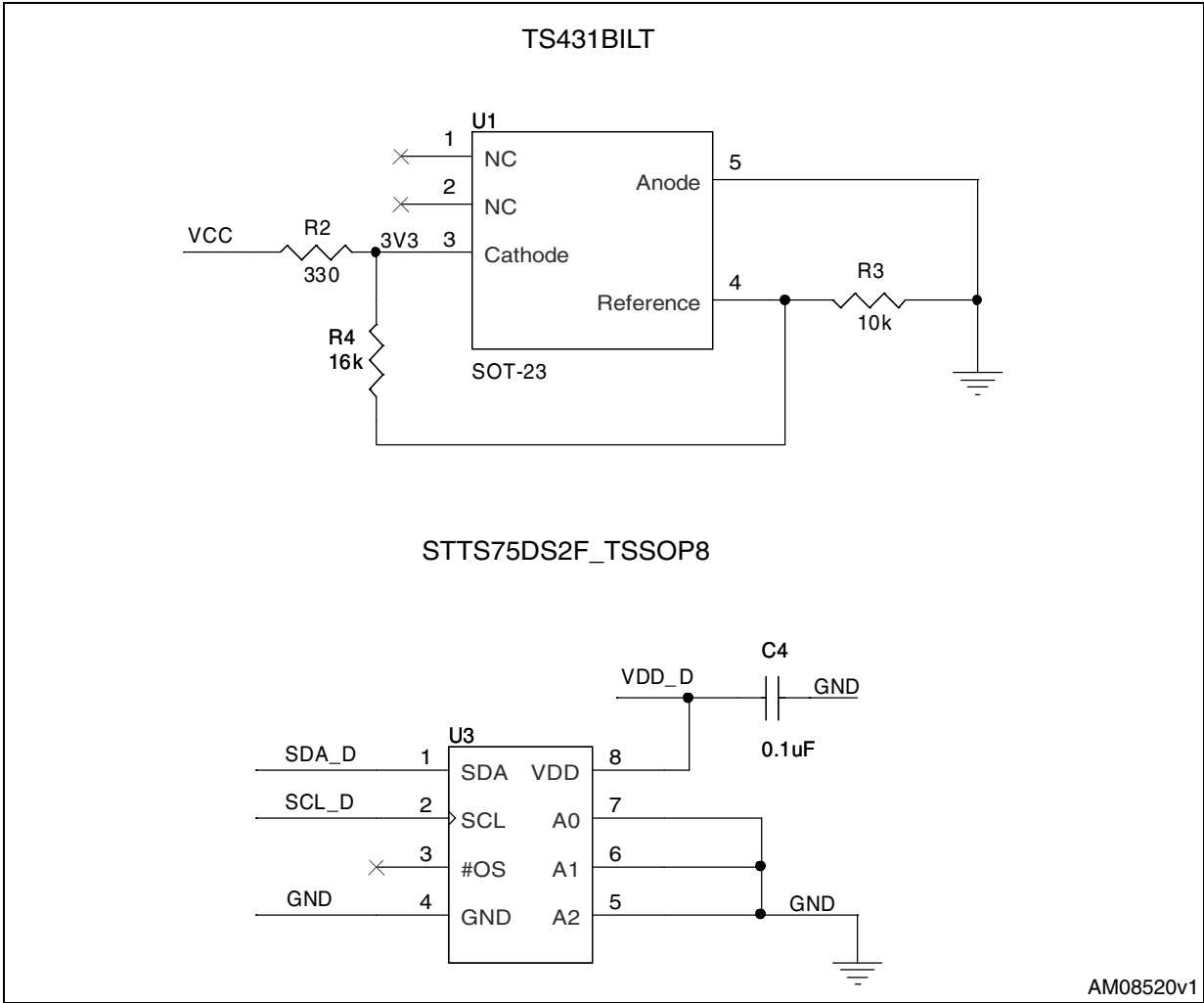


Figure 4. Schematic 4 of 5

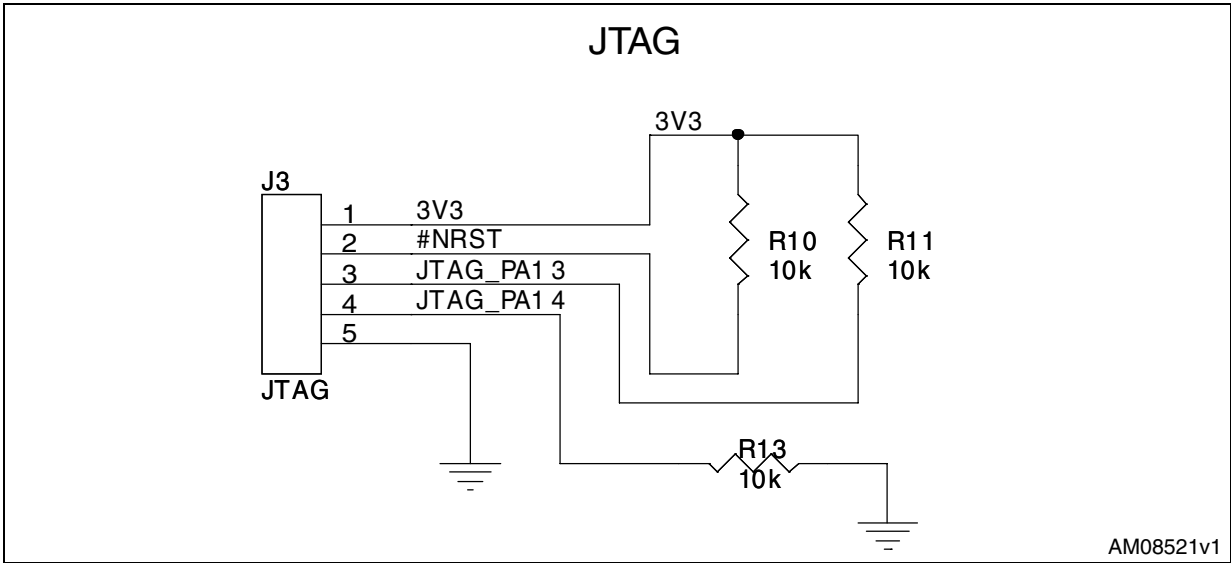
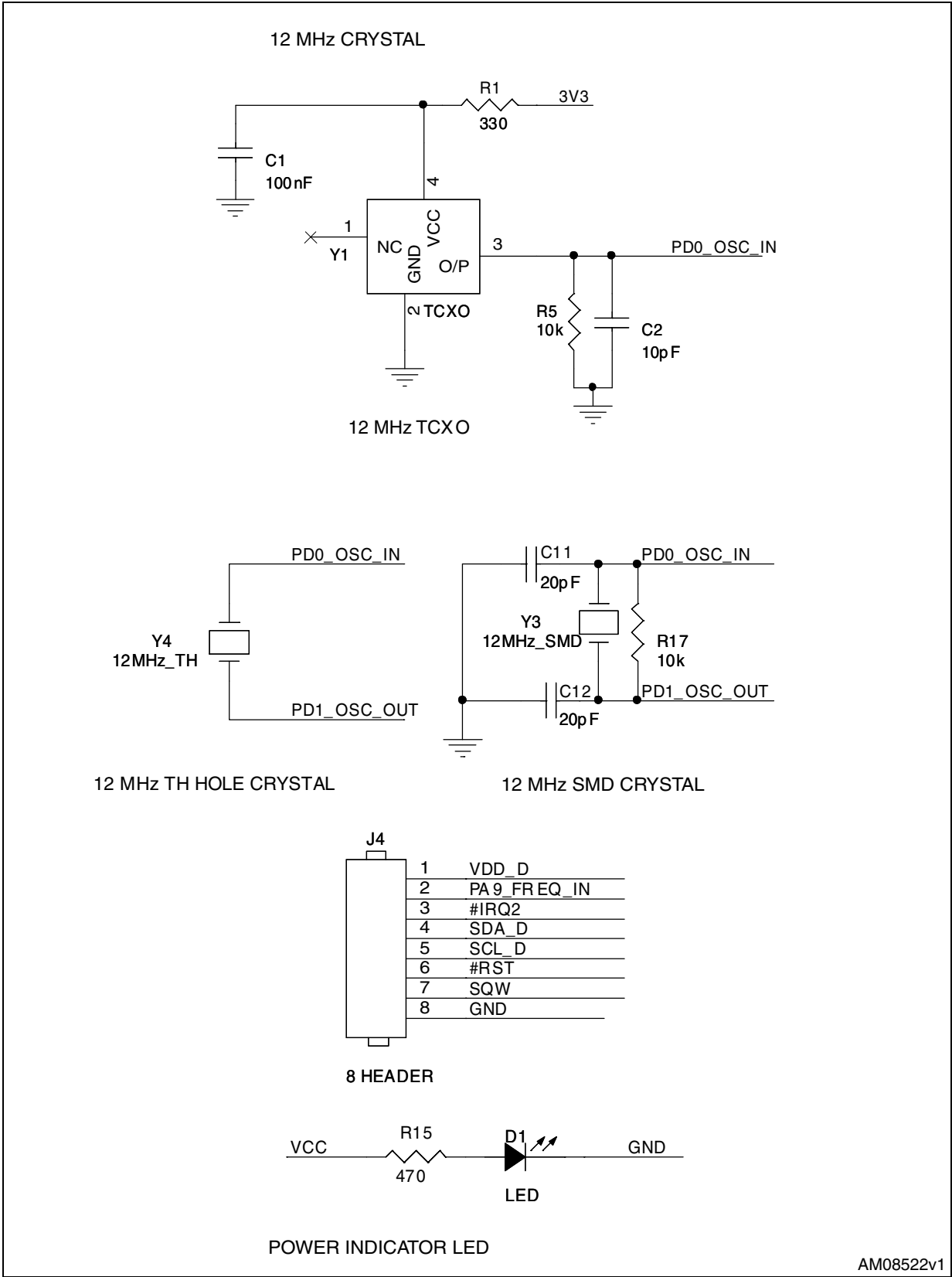


Figure 5. Schematic 5 of 5



## 2 Revision history

**Table 1. Document revision history**

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 16-Dec-2010 | 1        | Initial release. |

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