STEVAL-IFS003V1

Temperature sensor board based on STLM75/STDS75 and ST72F651AR6
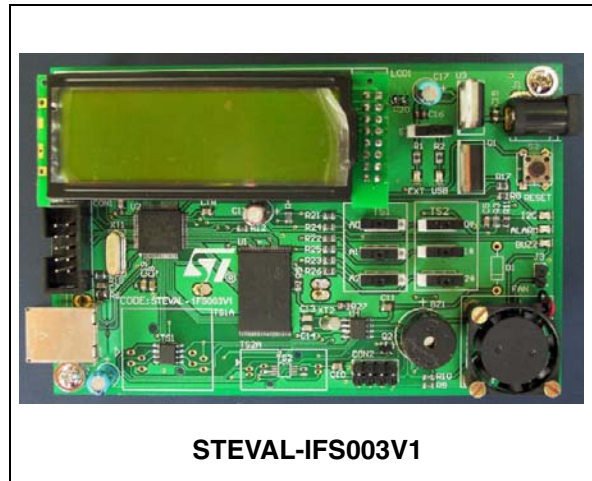
Data Brief

Features

- ST72F651 microcontroller used for temperature monitoring, data logging and fan speed regulation
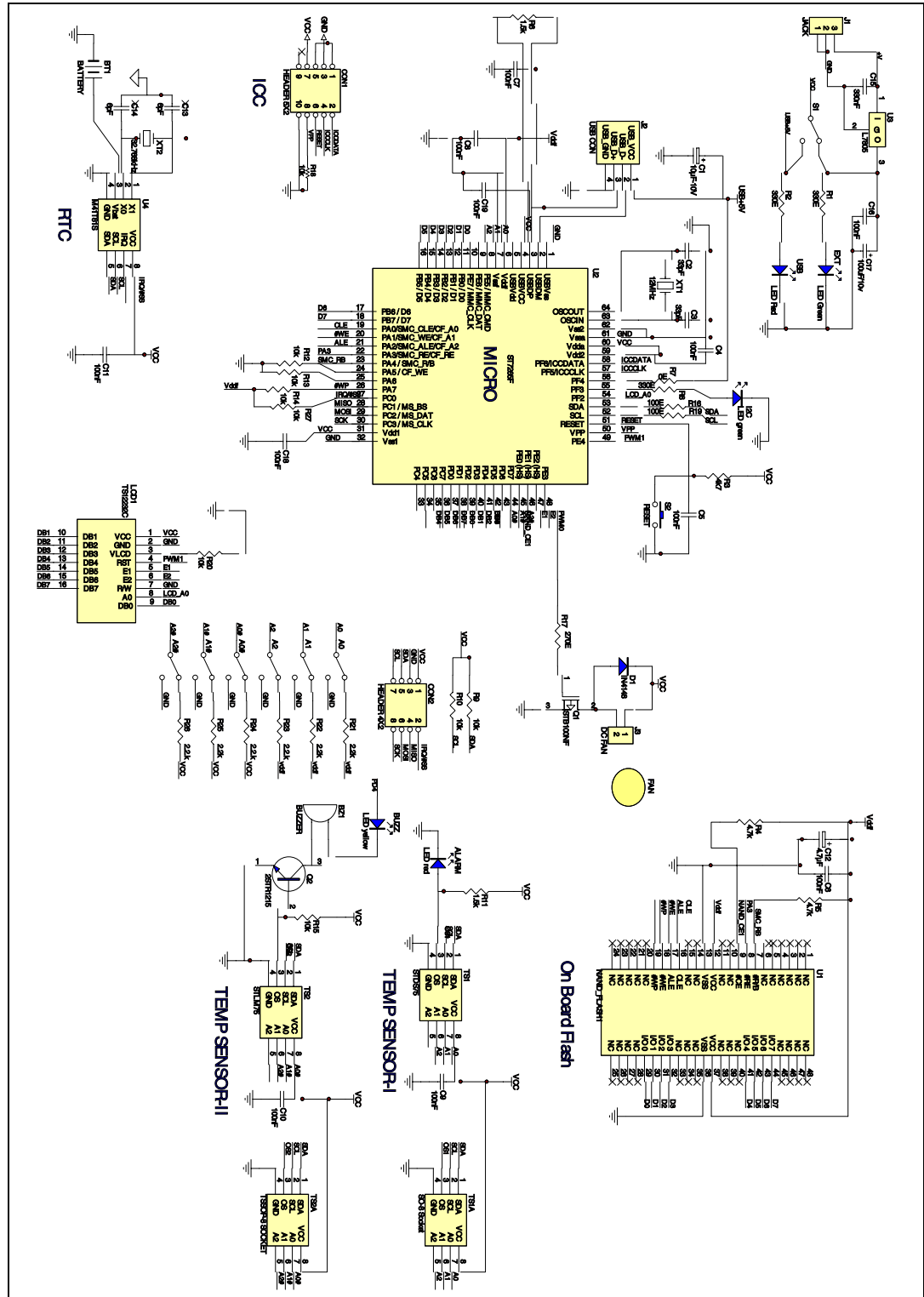- USB-powered board capable of working in stand-alone mode using the GUI

Description

The purpose of this product evaluation board is to demonstrate the features of temperature sensors STDS75 and STLM75. The board consists of the ST72F651AR6 microcontroller, the STLM75 and STDS75 temperature sensors, and a NAND flash. The board functions in two operating modes: stand-alone / external power mode and USB-powered mode. When this product evaluation board is connected to a computer through a USB cable, it will also function as a mass storage device. The default state of the board is "mass storage mode", and can be switched to "temperature sensor mode" using the GUI (graphical user interface).

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1 Block diagram

Figure 1. Schematic

2 Revision history

Table 1.   Document revision history

Date	Revision	Changes
26-Oct-2007	1	Initial release

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