



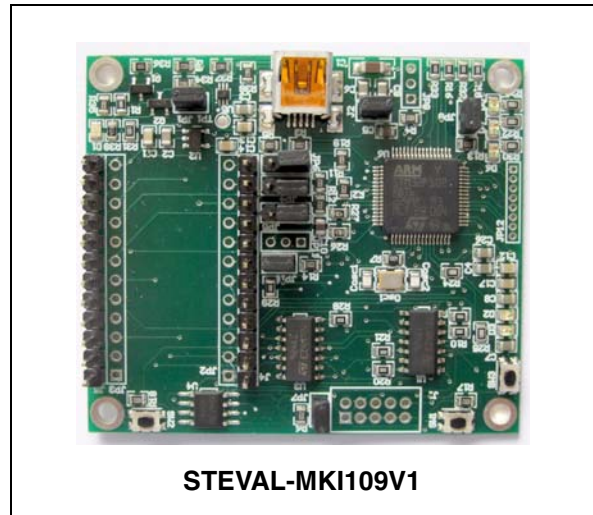
# STEVAL-MKI109V1

STM32-based MEMS motherboard compatible  
with all ST MEMS adapters

Data brief

## Features

- Compatible with all available ST MEMS adapter boards
- Controlled by the STM32F102R8 high-performance ARM Cortex™-M3 microcontroller
- Includes a DIL24 socket for easy MEMS adapter connection
- 3 V on-board linear voltage regulator
- DFU compatible for USB microprocessor firmware update
- USB 2.0 full-speed compliant
- Debugging connector for SWD/JTAG
- RoHS compliant



## Description

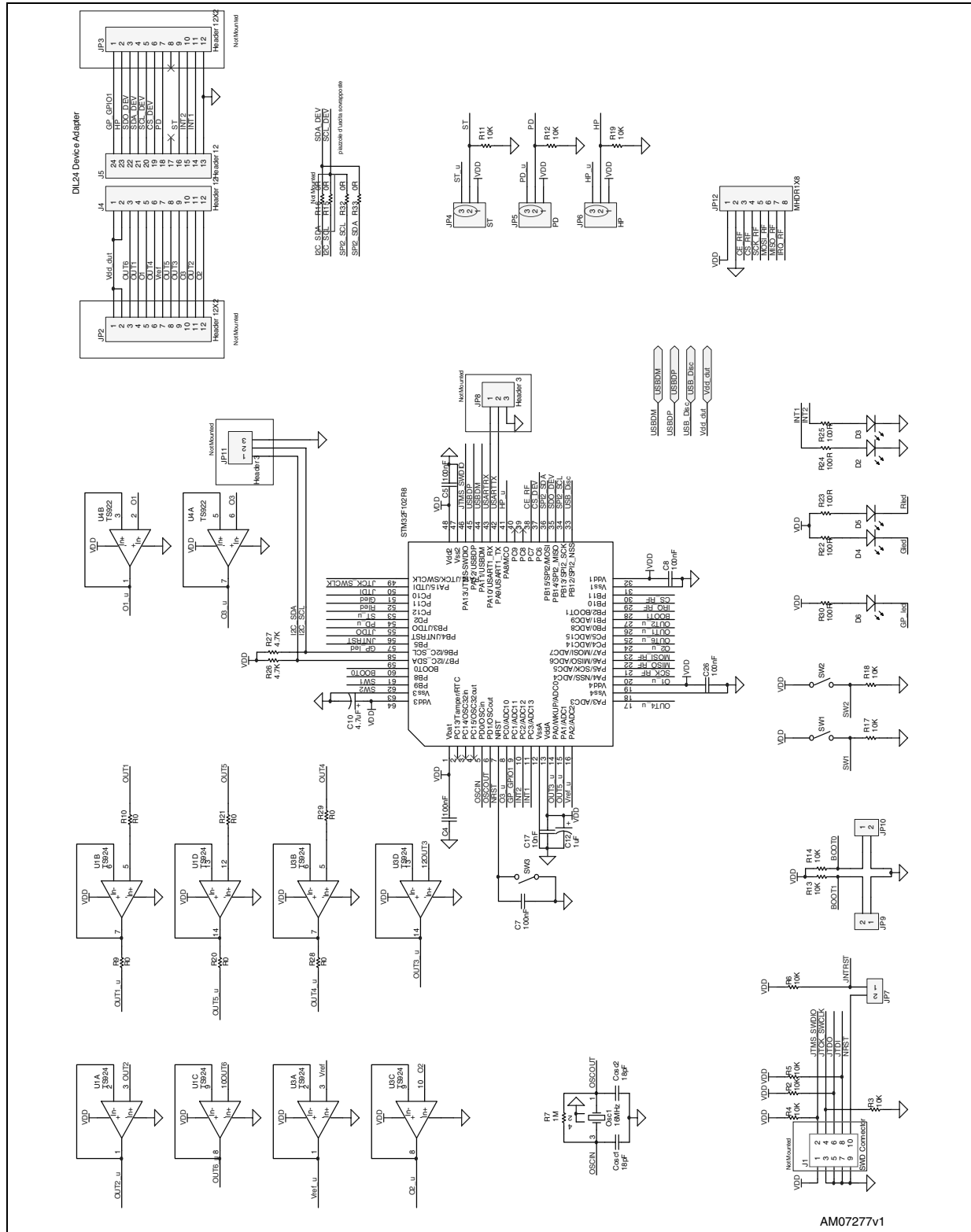
The STEVAL-MKI109V1 is a motherboard designed to provide users with a complete, ready-to-use platform for the evaluation of STMicroelectronics' MEMS products.

The board features a DIL24 socket to mount all available adapters for both digital and analog output MEMS devices.

The motherboard includes a high-performance 32-bit microcontroller, which functions as a bridge between the sensor and a PC, on which it is possible to use the downloadable graphical user interface (GUI), or dedicated software routines for customized applications.

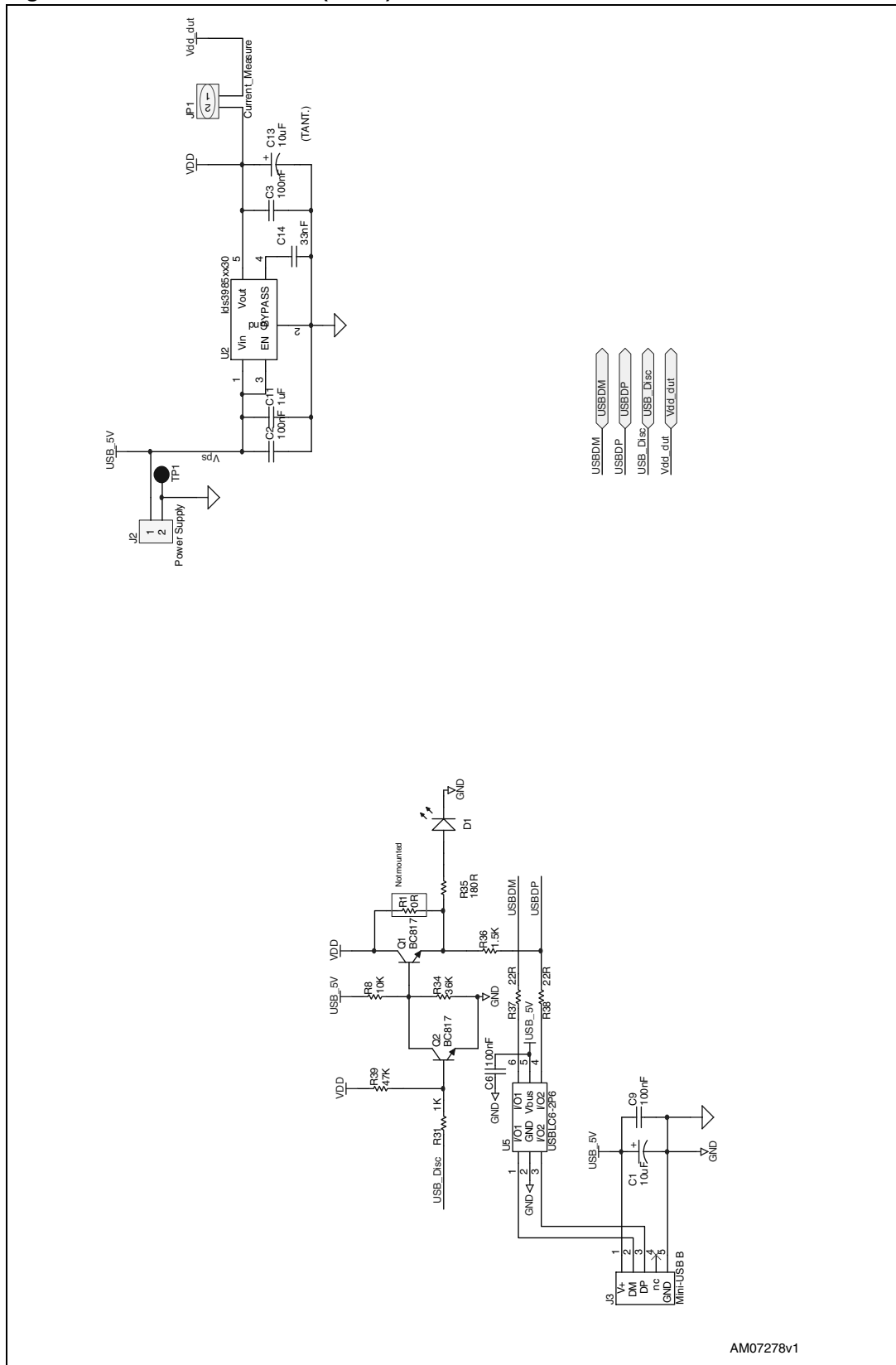
# 1 Schematic diagrams

Figure 1. Circuit schematic (1 of 2)



AM07277v1

Figure 2. Circuit schematic (2 of 2)



AM07278v1



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
16-Jun-2010	1	Initial release.

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