STEVAL-MKI109V2

eMotion: ST MEMS adapters motherboard based on the STM32F103RE compatible with all ST MEMS adapters

Features

- Compatible with all available ST MEMS adapter boards
- Controlled by the STM32F103RET6 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-MKI109V2 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)
Figure 2. Circuit schematic (2 of 2)
2 Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
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<tbody>
<tr>
<td>03-Nov-2011</td>
<td>1</td>
<td>Initial release.</td>
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