STEVAL-ID1003V2

Multi-sensor RF platform sensor board

Features

- Contains the following ST sensors:
  - Pressure sensor LPS25HB
  - Humidity sensor HTS221
  - Accelerometer LIS3DH
  - Microphone MP34DT01
- AFE for processing the MP34DT01 microphone signal based on TSV522 low power, low offset op-amp
- Android app available
- RoHS compliant

Description

The STEVAL-ID1003V2 is an evaluation platform for testing multiple MEMS sensors from STMicroelectronics. It is used in conjunction with the STEVAL-ID1002V2, as a daughterboard for the evaluation of the multi-sensor RF platform based on 6LowPAN. The STEVAL-ID1003V2 includes a MEMS accelerometer, pressure sensor, humidity sensor, and microphone. It also includes a photodiode. It connects to the STEVAL-ID1002V2 interface board using a 10-pin connector.
1 Schematic diagrams

Figure 1: STEVAL-ID1003V2 circuit schematic (1 of 5)

Figure 2: STEVAL-ID1003V2 circuit schematic (2 of 5)
Figure 3: STEVAL-ID003V2 circuit schematic (3 of 5)

Figure 4: STEVAL-ID003V2 circuit schematic (4 of 5)
Figure 5: STEVAL-ID1003V2 circuit schematic (5 of 5)
## 2 Revision history

Table 1: Document revision history

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<tr>
<th>Date</th>
<th>Version</th>
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<tr>
<td>01-Sep-2015</td>
<td>1</td>
<td>Initial release.</td>
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<tr>
<td>19-May-2016</td>
<td>2</td>
<td>Updated features on the cover page.</td>
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