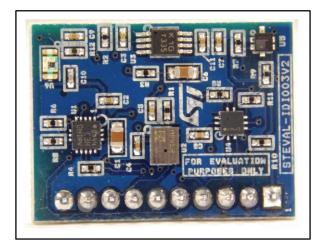


STEVAL-IDI003V2

Multi-sensor RF platform sensor board

Data brief



Description

The STEVAL-IDI003V2 is an evaluation platform for testing multiple MEMS sensors from STMicroelectronics. It is used in conjunction with the STEVAL-IDI002V2, as a daughterboard for the evaluation of the multi-sensor RF platform based on 6LowPAN. The STEVAL-IDI003V2 includes a MEMS accelerometer, pressure sensor, humidity sensor, and microphone. It also includes a photodiode. It connects to the STEVAL-IDI002V2 interface board using a 10-pin connector.

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

For further information contact your local STMicroelectronics sales

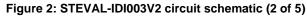
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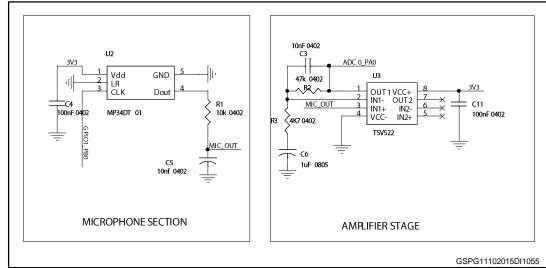
Schematic diagrams STEVAL-IDI003V2

1 Schematic diagrams

3V3 C1 1uF 0805 U1 ADC2 ADC1 13 VDD_IO ADC3 100nF 0402 C2 NC GND R4 0 0402 GPIO0_PA3 NC INT 1 LIS3DH I2C2_SCL_PB10 SCL/SPC RESERVED SDA/SDI GND INT 2 I2C2_SDA_PB11 R5 3 4k7 0402 ACCELERTOMETER SECTION GSPG11102015DI1050

Figure 1: STEVAL-IDI003V2 circuit schematic (1 of 5)





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STEVAL-IDI003V2 Schematic diagrams

Figure 3: STEVAL-IDI003V2 circuit schematic (3 of 5)

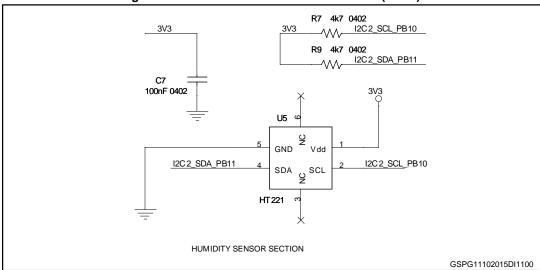
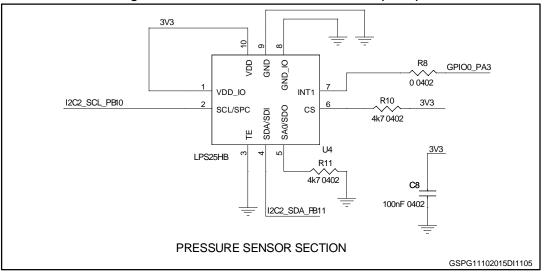


Figure 4: STEVAL-IDI003V2 circuit schematic (4 of 5)





Schematic diagrams

GSPG11102015DI1110

Figure 5: STEVAL-IDI003V2 circuit schematic (5 of 5)

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STEVAL-IDI003V2 Revision history

2 Revision history

Table 1: Document revision history

Date	Version	Changes
01-Sep-2015	1	Initial release.
19-May-2016	2	Updated features on the cover page.

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