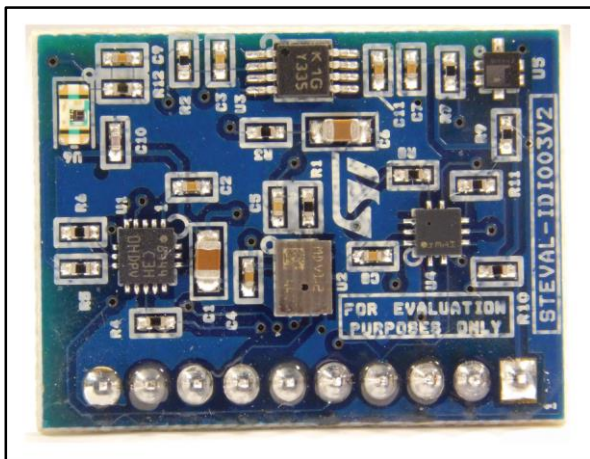


Multi-sensor RF platform sensor board

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

1 Schematic diagrams

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

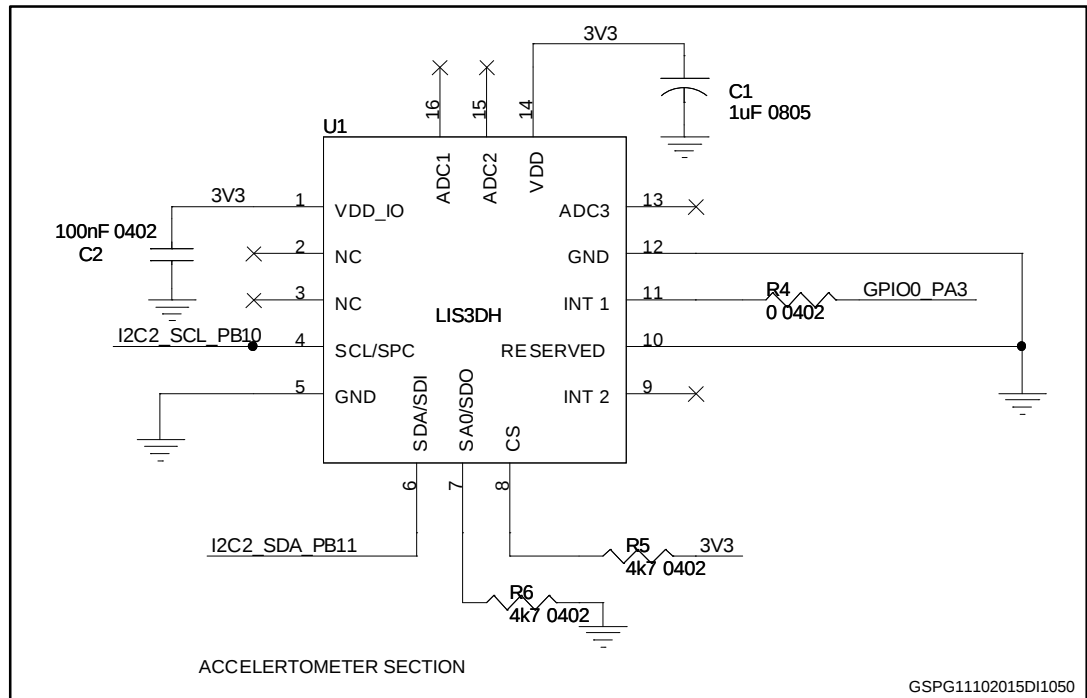


Figure 2: STEVAL-IDI003V2 circuit schematic (2 of 5)

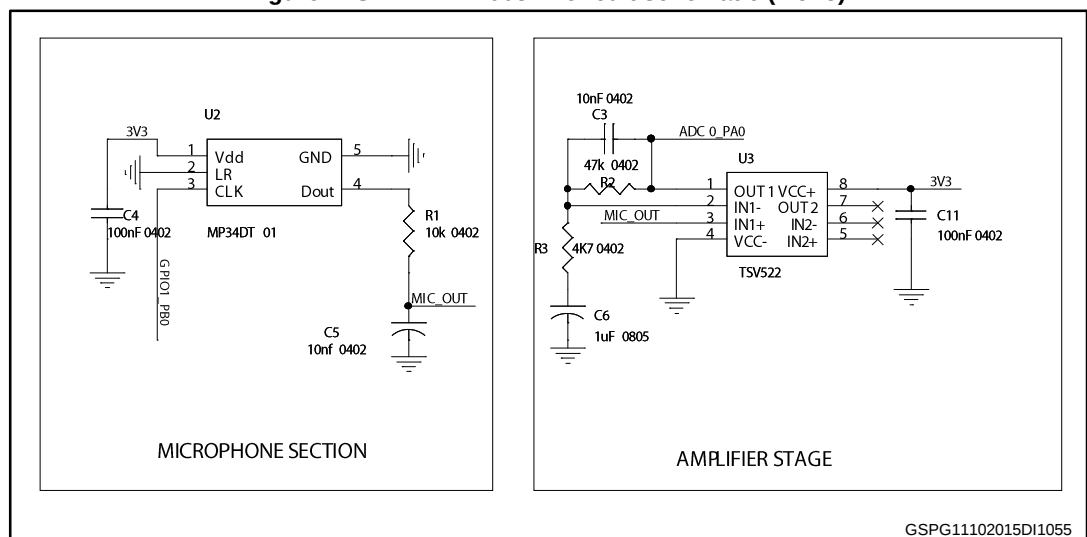


Figure 3: STEVAL-IDI003V2 circuit schematic (3 of 5)

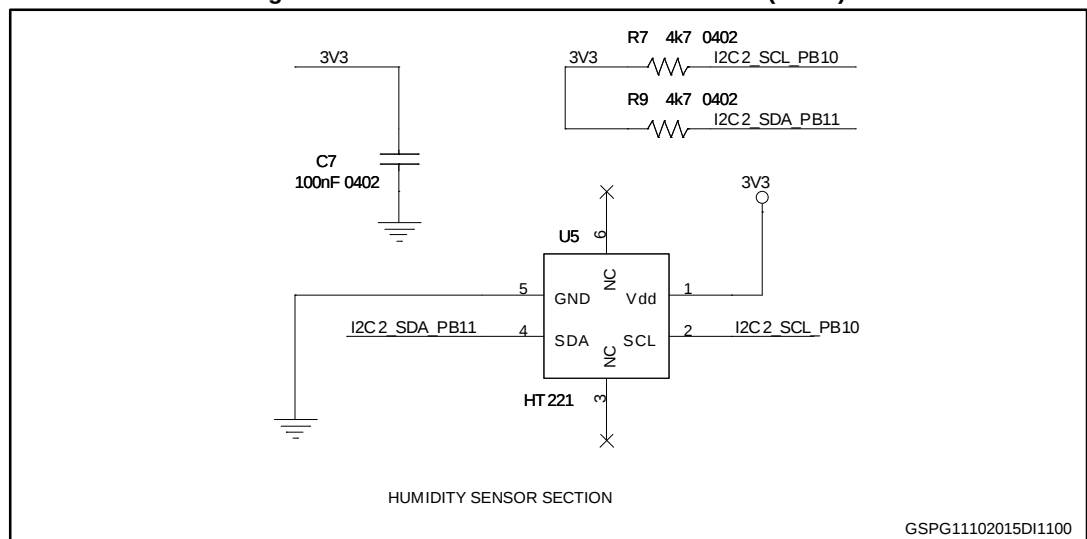


Figure 4: STEVAL-IDI003V2 circuit schematic (4 of 5)

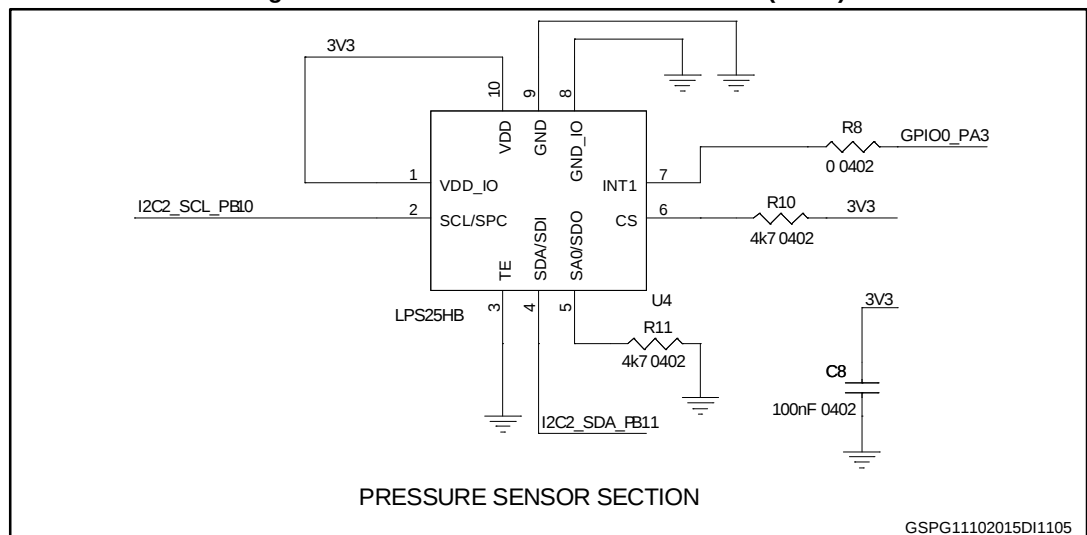
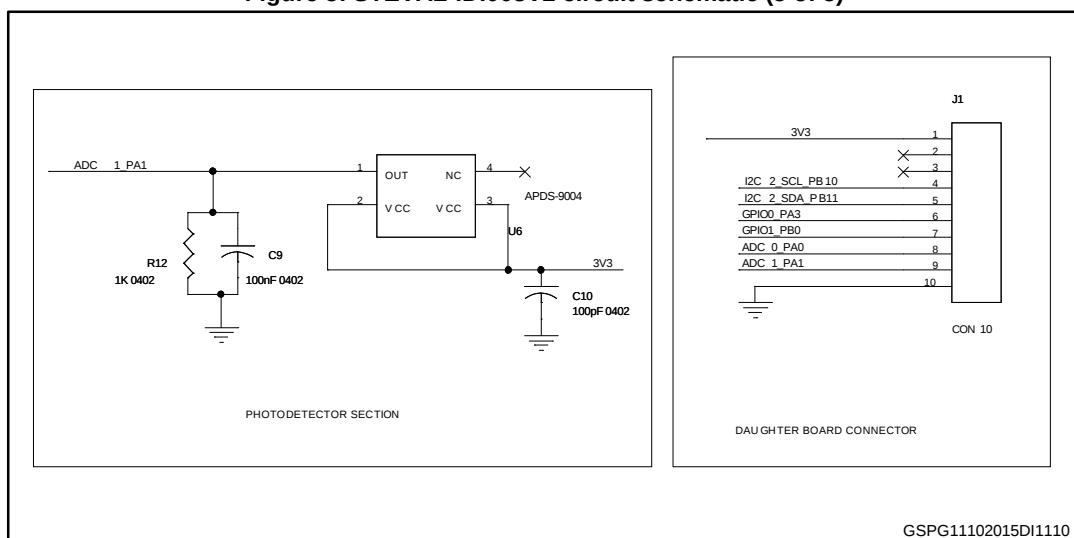


Figure 5: STEVAL-IDI003V2 circuit schematic (5 of 5)



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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