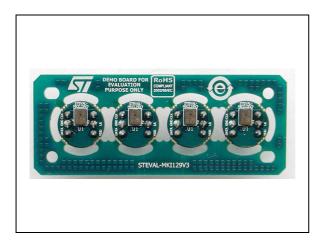


### STEVAL-MKI129V3

# Microphone coupon board based on the MP34DT01 digital MEMS microphone

Data brief



#### **Features**

- 4 x MP34DT01 top port digital MEMS microphones
- Daughterboard to be used with STEVAL-MKI126Vx kit
- Vsupply from 1.64 V to 3.6 V
- 120 dBSPL acoustic overload point
- Omnidirectional sensitivity
- PDM single-bit output
- 63 dB of SNR
- · Sensitivity -26 dBFS
- · RoHS compliant

#### **Description**

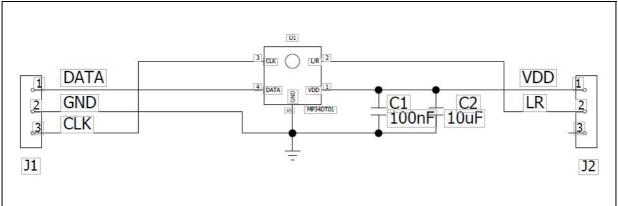
The STEVAL-MKI129V3 is a daughterboard designed to be used in conjunction with the STEVAL-MKI126Vx (Smart Voice) kit, containing 4 MP34DT01 digital MEMS microphones.

The coupon concept allows easy performance test of ST MEMS microphones. When inserted in the Smart Voice board, it is possible to detach the single PCBs hosting each microphone.

Schematic diagram STEVAL-MKI129V3

## 1 Schematic diagram

Figure 1. STEVAL-MKI129V3 circuit schematic



STEVAL-MKI129V3 Revision history

## 2 Revision history

**Table 1. Document revision history** 

Date	Revision	Changes
22-Feb-2013	1	Initial release.

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