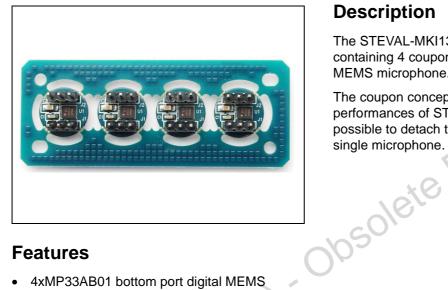


# STEVAL-MKI139V1

## Microphone coupon board based on the MP33AB01 analog MEMS microphone

Data brief



#### Description

The STEVAL-MKI139V1 is a daughterboard containing 4 coupon with the MP33AB01 analog MEMS microphone.

The coupon concept allows to easily test the performances of STM MEMS microphones, it is possible to detach the single PCBs hosting a single microphone.

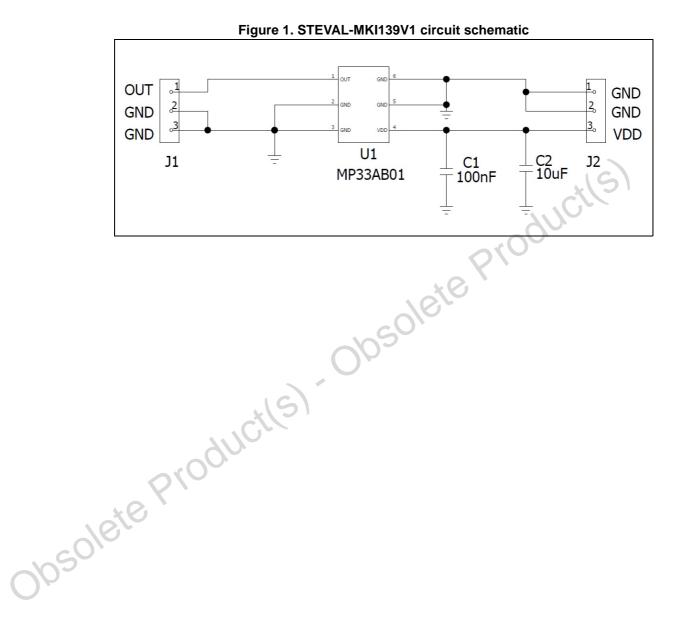
#### **Features**

- 4xMP33AB01 bottom port digital MEMS • microphones
- V supply from 1.5 to 3.6 V
- 125 dBSPL acoustic overload point
- Omnidirectional sensitivity
- Frequency range 100 Hz 10 kHz
- 63 dB of SNR
- THD<1% @ 94 dBSPL, 1 KHz
- Sensitivity -38 dBFV
- **RoHS** compliant

DocID025479 Rev 1

For further information contact your local STMicroelectronics sales office.

## 1 Schematic diagram





### 2 Revision history

| Table 1. | Document | revision | history |
|----------|----------|----------|---------|
|          |          |          |         |

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 07-Nov-2013 | 1        | Initial release. |



obsolete Product(s). Obsolete Product(s)

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