

## Microphone coupon board based on the MP23ABS1 analog MEMS



### Features

- 4 x MP23ABS1 bottom port analog MEMS microphones
- Vsupply from 1.52 to 3.6 V
- 130 dB SPL acoustic overload point
- Omnidirectional sensitivity
- Current consumption: 120  $\mu$ A
- 64 dB of SNR
- Sensitivity -38 dBV  $\pm$ 1 dB
- WEEE compliant
- RoHS compliant

### Description

The **STEVAL-MIC004V1** is a daughterboard containing 4 **MP23ABS1** analog MEMS microphones. The coupon concept allows easy performance testing of ST MEMS microphones. It is possible to detach the single PCBs hosting each microphone.

#### Summary table

Microphone coupon board based on the MP23ABS1 analog MEMS	<b>STEVAL-MIC004V1</b>
High performance MEMS audio sensor single ended analog bottom-port microphone	<b>MP23ABS1</b>

# 1 Schematic

Figure 1. STEVAL-MIC004V1 board schematic

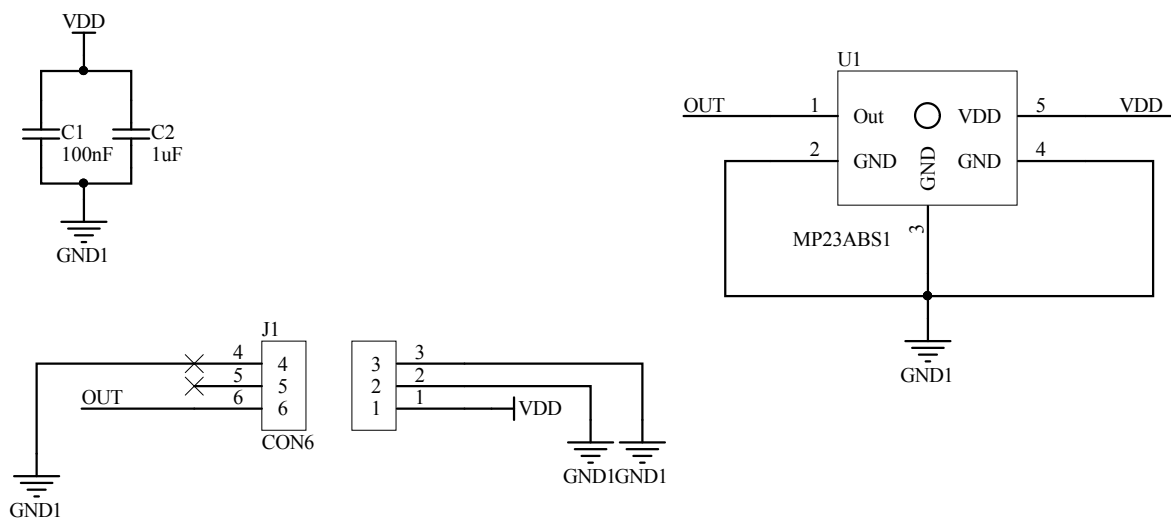
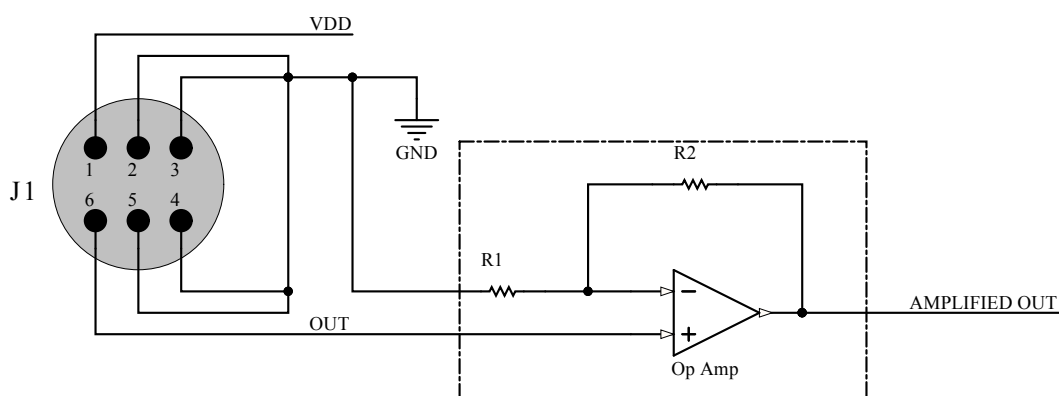


Figure 2. STEVAL-MIC004V1\_example of external electrical connections



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
12-Nov-2018	1	Initial release.

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