

## Microphone coupon board based on the IMP23ABSU analog MEMS microphone



### Features

- 4 x IMP23ABSU bottom port analog MEMS microphones
- Vsupply from 1.52 to 3.6 V
- 130 dB SPL acoustic overload point
- Omnidirectional sensitivity
- Enhanced RF immunity
- Ultrasound bandwidth (up to 80 kHz)
- Ultra-low-power: 150  $\mu$ A max
- Sensitivity -38 dBV  $\pm$ 1 dB
- RoHS compliant

### Description

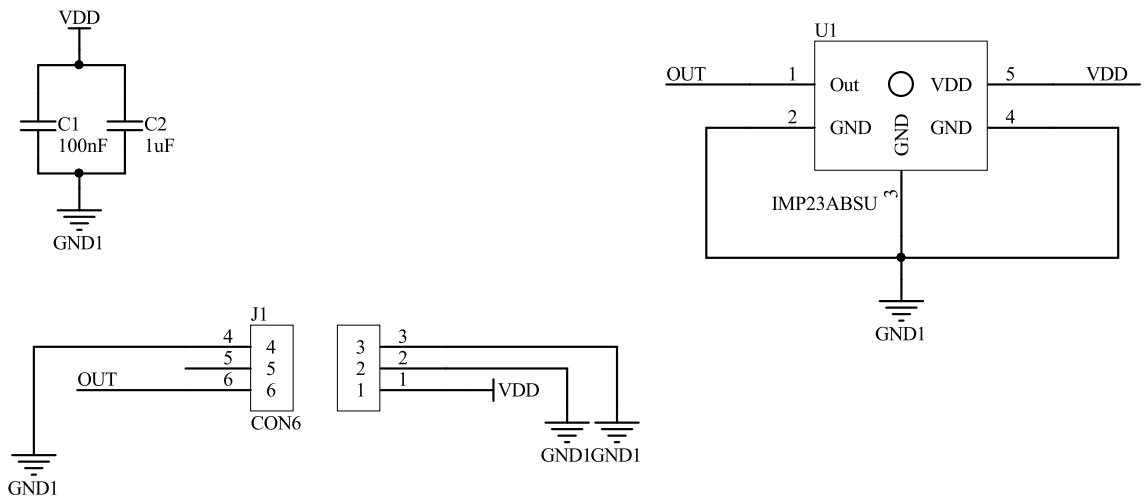
The STEVAL-MIC007V1 is a daughterboard containing 4 IMP23ABSU MEMS microphones.

The coupon concept allows easy performance testing of ST MEMS microphones. It is possible to detach the single PCBs hosting each microphone.

Product summary	
Microphone coupon board based on the IMP23ABSU analog MEMS microphone	STEVAL-MIC007V1
Analog bottom port microphone with frequency response up to 80kHz for ultrasound analysis and predictive maintenance applications	IMP23ABSU

# 1 Schematic diagrams

Figure 1. STEVAL-MIC007V1 board schematics



## Revision history

**Table 1. Document revision history**

Date	Version	Changes
11-Nov-2020	1	Initial release.