

## Microphone coupon board based on the MP34DT05-A digital MEMS



### Features

- 4 x MP34DT05-A top port digital MEMS microphones
- Daughterboard to be used with X-NUCLEO-CCA02M1
- Vsupply from 1.6 to 3.6 V
- 122.5 dBSPL acoustic overload point
- Omnidirectional sensitivity
- PDM single-bit output
- 64 dB of SNR
- Sensitivity -26 dBFS  $\pm$ 3 dB
- RoHS compliant

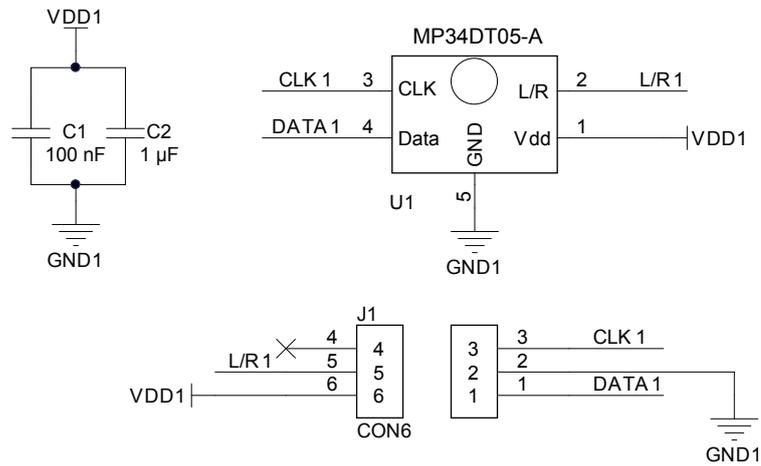
### Description

The STEVAL-MIC001V1 daughterboard is designed to be used in conjunction with the [X-NUCLEO-CCA02M1](#) expansion board; it is able to export the four additional PDMs for any user application requirement (NBW algorithm detection).

#### Summary table

STEVAL-MIC001V1 daughterboard	<a href="#">STEVAL-MIC001V1</a>
X-NUCLEO-CCA02M1 evaluation board based on digital MEMS microphones	<a href="#">X-NUCLEO-CCA02M1</a>
MP34DT05-A ultra-compact, low-power, omnidirectional, digital MEMS microphone	<a href="#">MP34DT05-A</a>

# 1 Schematic diagrams

**Figure 1. STEVAL-MIC001V1 circuit schematic**


## Revision history

**Table 1. Document revision history**

Date	Version	Changes
07-Dec-2017	1	Initial release.
25-Jan-2018	2	Updated: title.

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