Microphone coupon board based on the MP34DT04-C1 digital MEMS
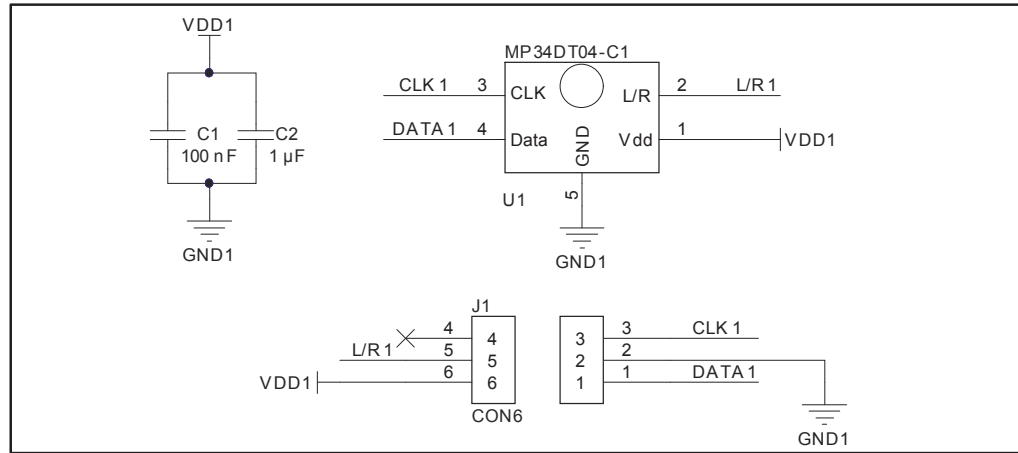
Data brief

Description

The STEVAL-MKI129V7 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).

Features

- 4 x MP34DT04-C1 top port digital MEMS microphones
- Daughterboard to be used with X-NUCLEO-CCA02M1
- Vsupply from 1.6 to 3.6 V
- 120 dBSPL acoustic overload point
- Omnidirectional sensitivity
- PDM single-bit output
- 64 dB of SNR
- Sensitivity -26 dBFS ±1.5 dB
- RoHS compliant

For further information contact your local STMicroelectronics sales office

1   Schematic diagram

Figure 1: STEVAL-MKI129V7 circuit schematic

2   Revision history

Table 1: Document revision history

Date	Version	Changes
22-Jun-2017	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY