



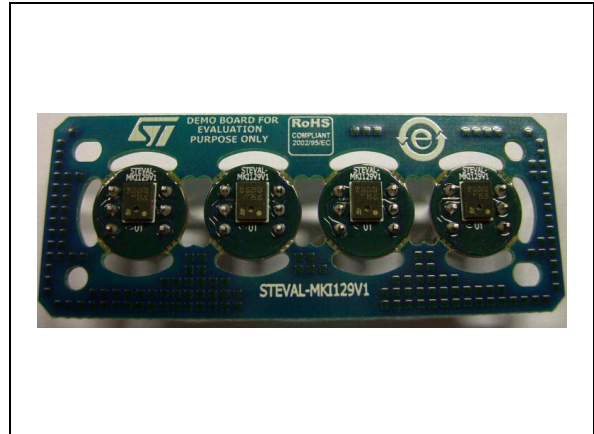
STEVAL-MKI129V1

Microphone coupon board
based on the MP45DT02 digital MEMS microphone

Data brief

Features

- 4 x MP45DT02 top port digital MEMS microphones
- Daughterboard to be used with STEVAL-MKI126Vx kit
- Vsupply from 1.64 V to 3.6 V
- 120 dB SPL acoustic overload point
- Omnidirectional sensitivity
- PDM single-bit output
- 61 dB of SNR
- Sensitivity -26 dBFS
- RoHS compliant



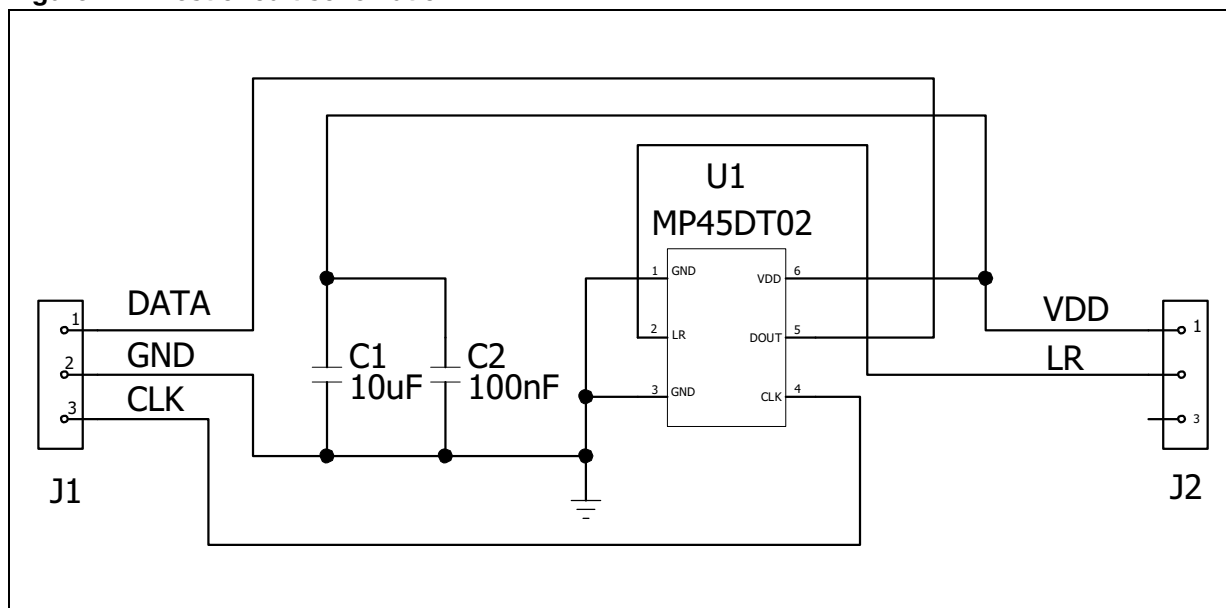
Description

The STEVAL-MKI129V1 is a daughterboard designed to be used in conjunction with the STEVAL-MKI126Vx (Smart Voice) kit, containing 4 MP45DT02 digital MEMS microphones.

The coupon concept allows easy performance testing of ST MEMS microphones. When inserted in the Smart Voice board, it is possible to detach the single PCBs hosting each microphone.

1 Test circuit

Figure 1. Test circuit schematic



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
09-Jan-2013	1	Initial release.

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