

STEVAL-MKI129V1

Microphone coupon board based on the MP45DT02 digital MEMS microphone

Data brief

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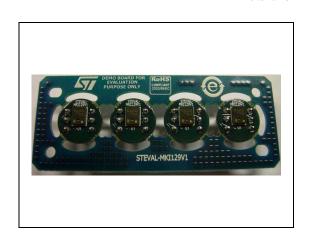
Features

- 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 dBSPL acoustic overload point
- Omnidirectional sensitivity
- PDM single-bit output
- 61 dB of SNR
- Sensitivity -26 dBFS
- RoHS compliant



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.



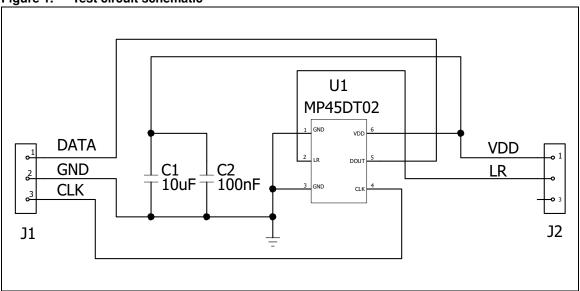
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Test circuit STEVAL-MKI129V1

1 Test circuit

Figure 1. Test circuit schematic



2/4 Doc ID 024077 Rev 1

STEVAL-MKI129V1 Revision history

2 Revision history

Table 1. Document revision history

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

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