

Infineon XENSIV™ MEMS microphone flex evaluation board

About this document

Scope and purpose

This document provides information on evaluation flex boards for Infineon Technologies analog and digital MEMS microphones

Intended audience

This document is intended for Infineon Technologies MEMS microphone customer

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1 Digital evaluation flex

1 Digital evaluation flex

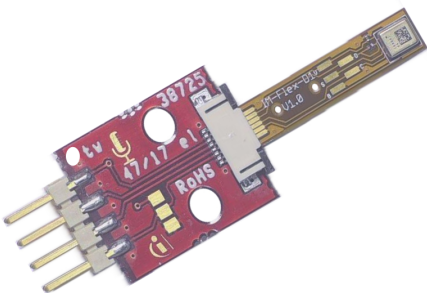
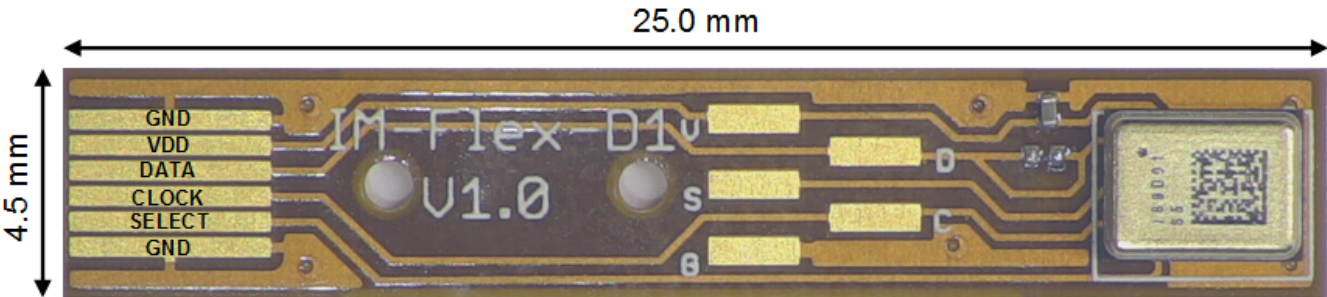


Table 1 Digital flex pin description

Symbol	Description
V	V _{DD}
D	Data
C	Clock
S	Select
G	Ground

2 Analog evaluation flex

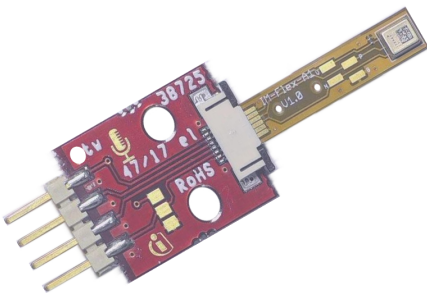
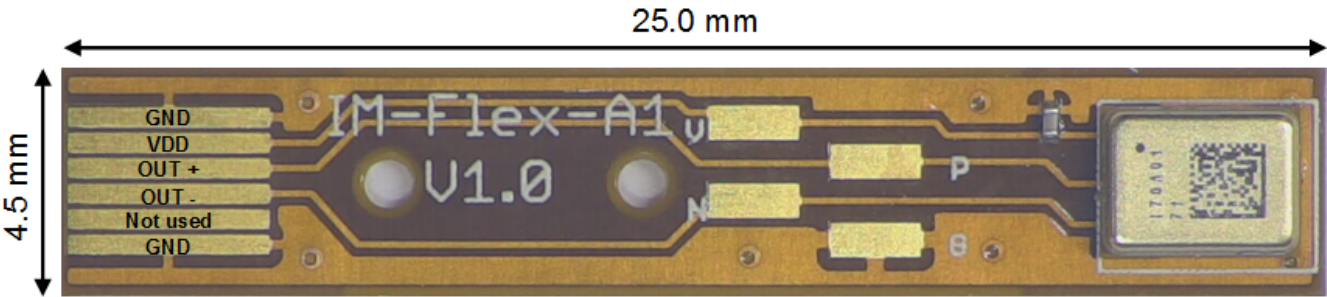


Table 2 Analog flex pin description

Symbol	Description
V	V _{DD}
P	OUT +
N	OUT -
G	Ground

3 Flex adapter board

3 Flex adapter board

The flex adapter board allows simple and easy connection of Infineon MEMS microphone analog and digital flex. The flex adapter is for both analog and digital flexes.

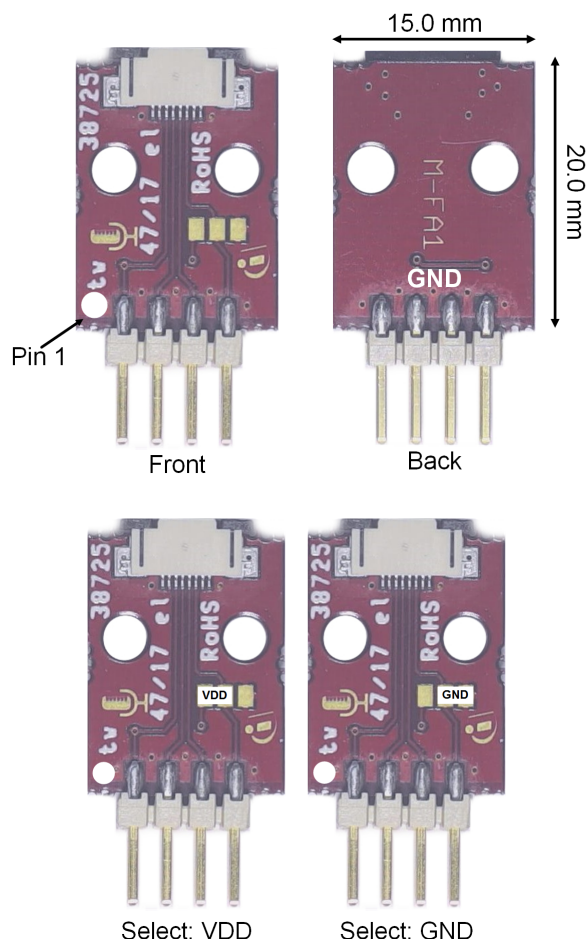


Table 3 Flex adapter pin configuration

Pin number	Analog flex	Digital flex
1	V _{DD}	V _{DD}
2	OUT +	Data
3	OUT -	Clock
4	Not used	Select
GND	Ground	Ground

For Digital microphone, select pin can be either connected to V_{DD} or Ground.

4 Ordering information

Orderable part number	Description
Digital flex kit	
EVALIM69D130FLEXKITTOB01	5 IM69D130 flex mounted on flex board with 1 flex evaluation adapter board
EVALIM69D120FLEXKITTOB01	5 IM69D120 flex mounted on flex board with 1 flex evaluation adapter board
Digital flex	
EVALIM69D130V01FLEXTOB01	IM69D130 mounted on flex board
EVALIM69D120V01FLEXTOB01	IM69D120 mounted on flex board
Analog flex	
EVALIM70A135V01FLEXTOB01	IM70A135 mounted on flex board
Flex adapter board	
EVALIMFLEXADAPTERV1TOB01	Flex evaluation adapter board

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