

Infineon XENSIVTM 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

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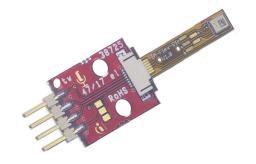
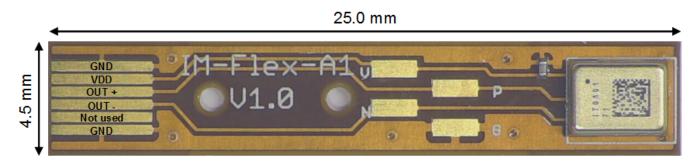


Table 1	Digital flex pin description	
Symbol	Description	
V	V_{DD}	
D	Data	
C	Clock	
S	Select	
G	Ground	

2 Analog evaluation flex



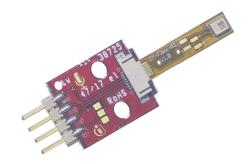


Table 2	Analog flex pin description	
Symbol	Description	
V	V_{DD}	
Р	OUT+	
N	OUT -	
G	Ground	

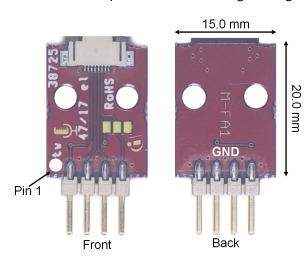
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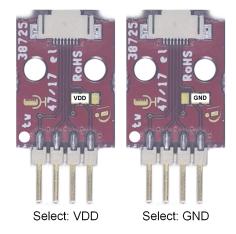
3 Flex adapter board

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.



Flex adapter pin configuration		
Analog flex	Digital flex	
V _{DD}	V _{DD}	
OUT+	Data	
OUT -	Clock	
Not used	Select	
Ground	Ground	
	Analog flex V _{DD} OUT + OUT - Not used	



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

4 Ordering information

Orderable part number	Description	
Digital flex kit		
EVALIM69D130FLEXKITTOBO1	5 IM69D130 flex mounted on flex board with 1 flex evaluation adapter board	
EVALIM69D120FLEXKITTOBO1	5 IM69D120 flex mounted on flex board with 1 flex evaluation adapter board	
Digital flex		
EVALIM69D130V01FLEXTOBO1	IM69D130 mounted on flex board	
EVALIM69D120V01FLEXTOBO1	IM69D120 mounted on flex board	
Analog flex		
EVALIM70A135V01FLEXTOBO1	IM70A135 mounted on flex board	
Flex adapter board	·	
EVALIMFLEXADAPTERV1TOBO1	Flex evaluation adapter board	

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