

Sipeed I2S_Mic Datasheet

v1.0



Key Features:

- MEMS Microphone: MSM261S4030H0 is an omnidirectional, bottom-ported, I2S digital output MEMS microphone with excellent performance and reliability.
- Sensitivity: -26(dB, dBFS @1kHz 1Pa)
- Signal to noise ratio: 57dB (20kHz bandwidth, A-weighted)
- Size: 15.2*9.1mm
- Connecting method: 1*6P 2.54mm header

UPDATE

V1.0	2019/7/9 Published original document

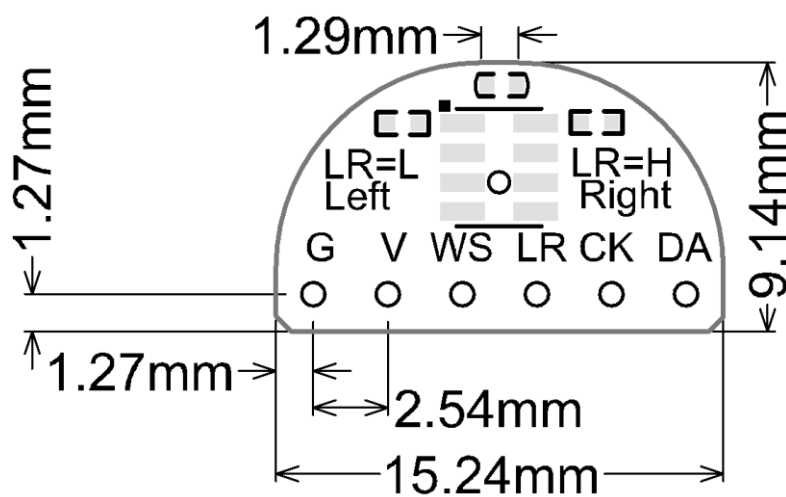
SPECIFICATION

MEMS MICs : MSM261S4030H0	Sound Pressure Level : 140 dB SPL Sensitivity : -26(dB,dBFS @1kHz 1Pa) Signal to noise ratio : 57 dB (20kHz bandwidth,A-weighted) THD<1% (100dB SPL @1kHz S=Nom,Rload>2k) Clock frequency : 1.0-4.0Mhz(normal mode) 150-800khz(low power mode)
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HARDWARE FEATURES

Supply voltage of external power supply	3.3V \pm 0.2V
Supply current of external power supply	>1mA
Temperature rise	<30K
Range of working temperature	-30°C ~ 85°C

SIZE	
Length	15.24mm
Width	9.14mm
Height	11.2 mm



RESOURCES	
Official Website	www.sipeed.com
Github	https://github.com/Lichee-Pi
BBS	http://bbs.sipeed.com
Wiki	maixpy.sipeed.com
Sipeed Model Store	https://maixhub.com/
SDK Reference	dl.sipeed.com/MAIX/SDK
HDK Reference	dl.sipeed.com/MAIX/HDK
E-mail (Technical Support)	support@sipeed.com
Telegram Link	https://t.me/sipeed
QQ Group	878189804



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