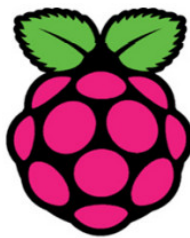




RaspberryPi Pico-Audio-PCM5101A Audio Expansion Module User Manual

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RaspberryPi

**Pico-Audio-PCM5101A Audio Expansion Module
User Manual**

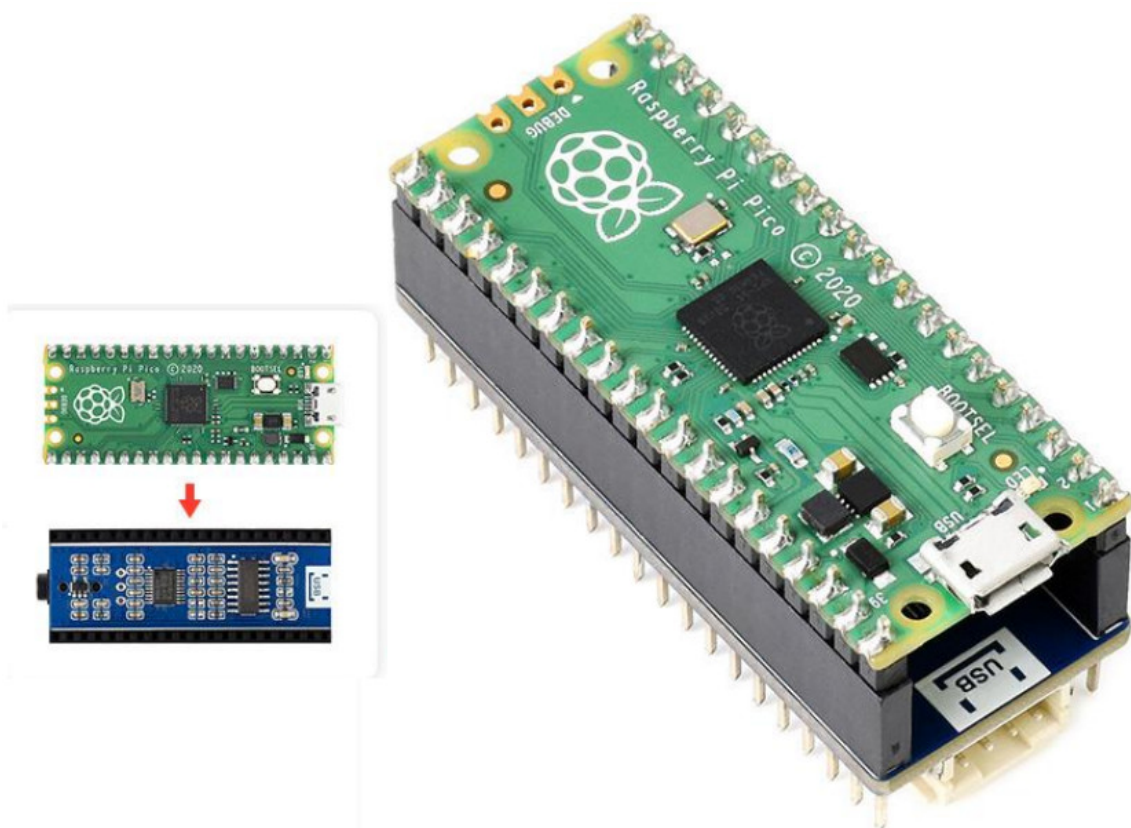


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Raspberry Pi Pico Header Compatibility:

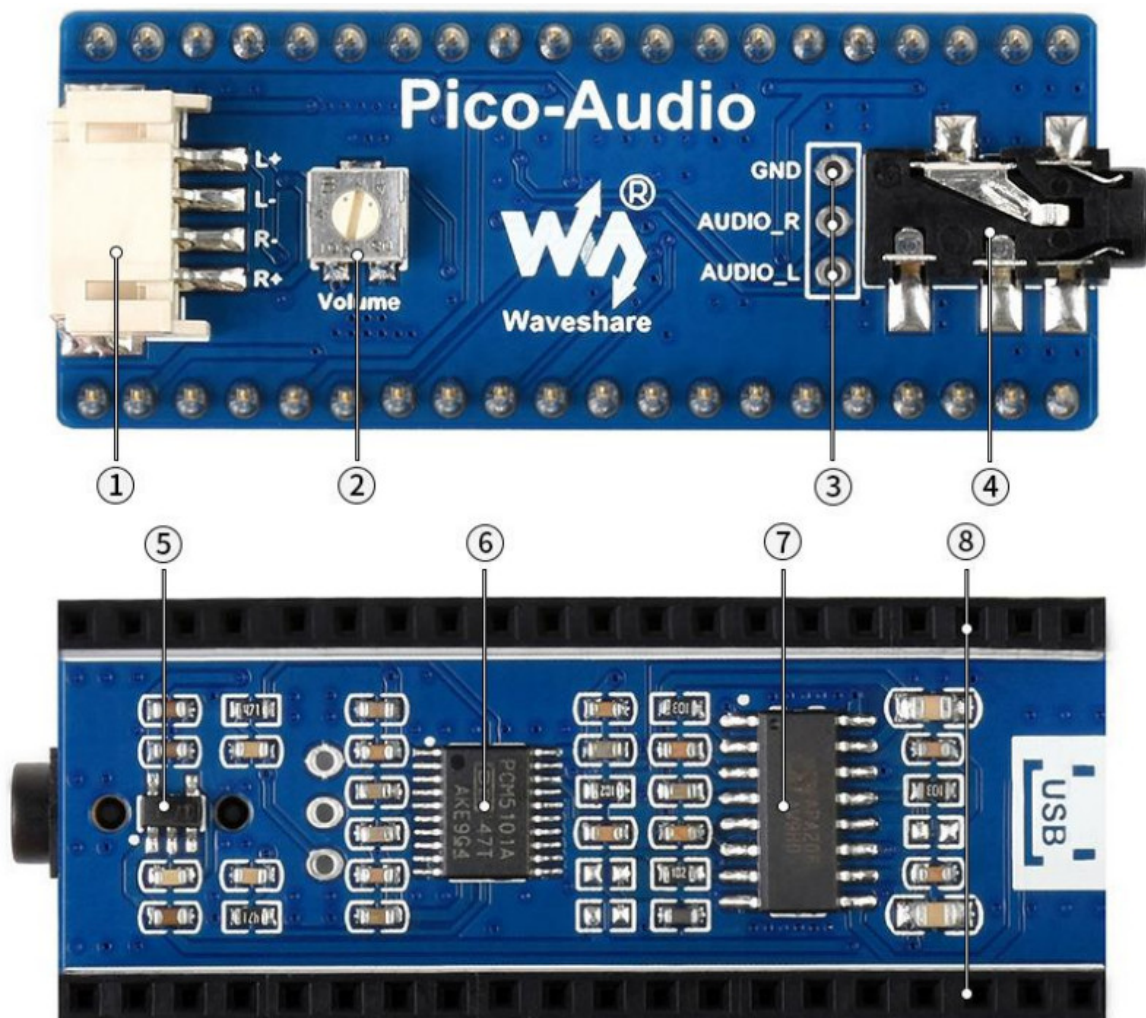
Onboard Female Pin Header for Direct Attaching To Raspberry Pi Pico, Male Pin Header For Stacking Other Modules



*** Please correctly connect the Module and Raspberry Pi Pico as the picture shown .**

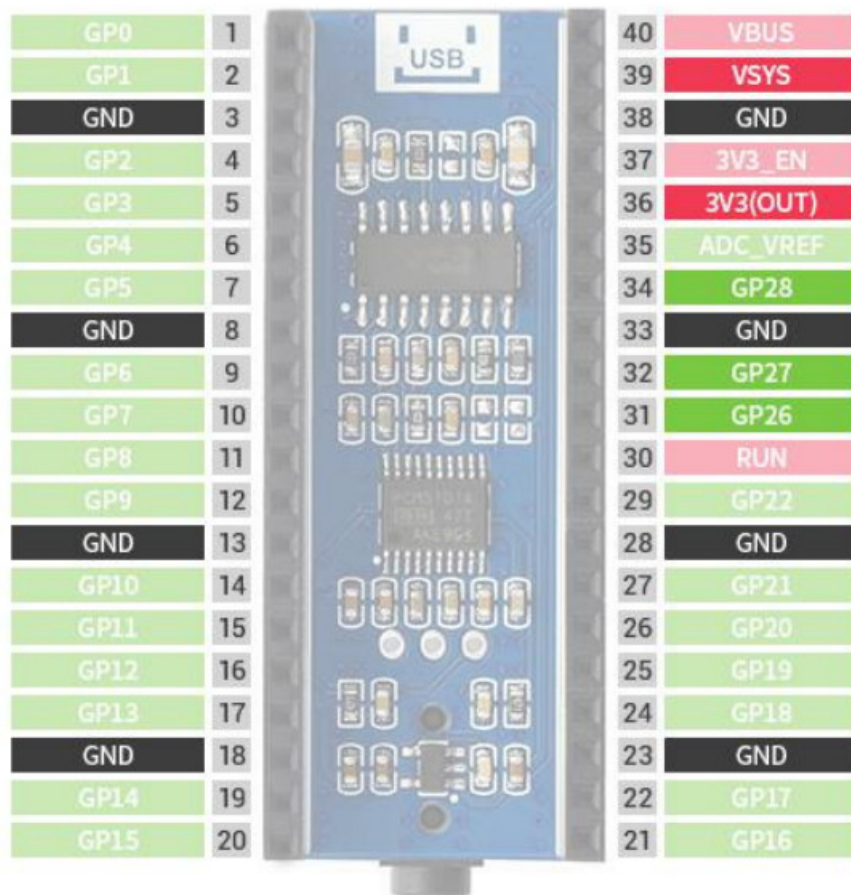
– Raspberry Pi Pico is NOT included.

What's On Board:



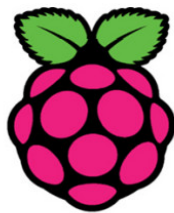
1. Dual channels 4-wire speaker header
2. SMD adjustable resistor speaker output volume adjustment
3. Audio decoder output observing points
4. 3.5mm standard headphone jack
5. RT9193-33 3.3V linear regulator
6. PCM5101A audio decoder, 3-wire I2S bus
7. APA2068 audio power amplifier
8. Raspberry Pi Pico header for connecting Raspberry Pi Pico, stackable design

Pinout Definition:



VSYS		Power supply
3V3(OUT)		Logic power
GND		Ground
GP26	SIN	Audio data input
GP27	BCK	Audio data bit clock input
GP28	LRCK	Audio data word clock input

Demonstration:



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Documents / Resources

	RaspberryPi Pico-Audio-PCM5101A Audio Expansion Module [pdf] User Manual Pico-Audio-PCM5101A, Audio Expansion Module, Pico-Audio-PCM5101A Audio Expansion M odule, Expansion Module
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References

- [Raspberry Pi Pico, A Low-Cost, High-Performance Microcontroller Board With Flexible Digital Interfaces](#)