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SparkFun I2S Audio Breakout - MAX98357A

⊙ DEV-14809 ▭

DESCRIPTION   **FEATURES**   **DOCUMENTS**

- Supply Voltage Range: 2.5V - 5.5V.
- Output Power: 3.2W into 4Ω at 5V.
- Output Channel Selection: Left, Right, or Left/2 + Right/2 (Default).
- Sample Rate: 8kHz - 96kHz.
- Sample Resolution: 16/32 bit.
- Quiescent Current: 2.4mA.
- Filterless Class D Outputs
- No MCLK Required
- Click and Pop Reduction
- Short-Circuit and Thermal Protection.

Tags

AUDIO   BREAKOUT   DEVELOPMENT   I2S   MAX98357A   SPARKFUN ORIGINAL
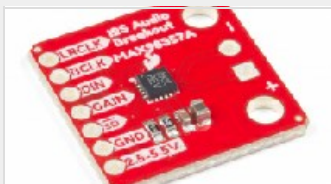
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SparkFun I2S Audio Breakout - MAX98357A Product Help and Resources

TUTORIALS   VIDEOS   SUPPORT TIPS   SKILLS NEEDED

I2S Audio Breakout Hookup Guide
SEPTEMBER 6, 2018

Hookup guide for the MAX98357A I2S audio breakout board.

COMMENTS 1   REVIEWS 0

Customer Comments

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Member #630068 / about 4 months ago / ★ 1

Purchased one of these little guys for a Pi powered radio. It replaced a bulky (in relative terms) USB/DAC that picked up all kinds of hiss, and it replaced a heat wasting amplifier also with a bulky design, and finally it replaced a Python controlled on/off power relay. So, for peanuts I got better audio quality, less noise (with one exception to follow), better battery life and space savings. What not to like?

One thing! A very loud POP at both power on and when the mpd/mpc "play" command was issued. Solved the power on POP with a 10K pull-down resistor on the SD (mute) pin. Worked around the "play" POP by delaying the un-mute for 2 seconds after starting "play".

Bottom line - love it. Crisp audio, gain to spare and beats other solutions.

Poke around on the Adafruit forum and look for "Raspberry Pi and I2S amplifier pops on startup. FIX!", then search on "MAX98357A" to see other relevant comments.

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In 2003, CU student Nate Seidle fried a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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