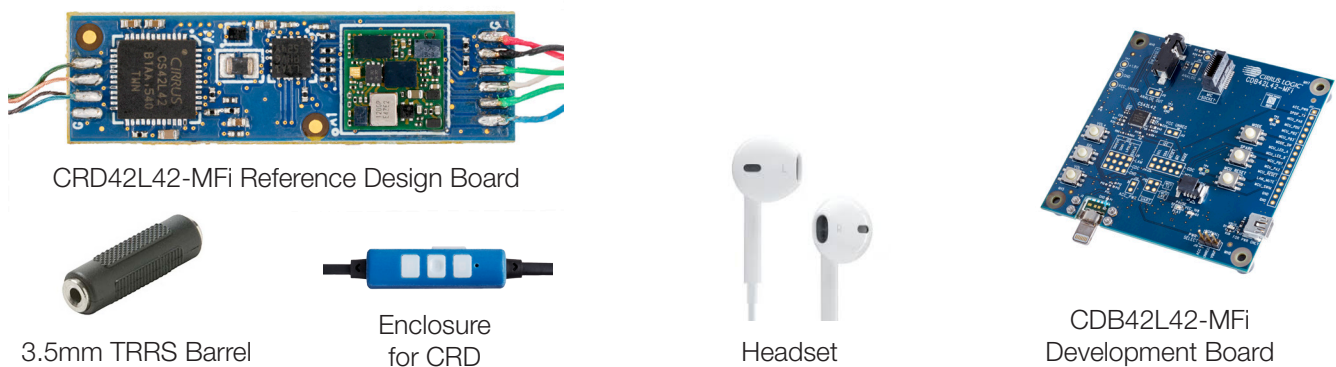


CRD42L42-MFi and CDB42L42-MFi MFi Digital Headset Reference Design

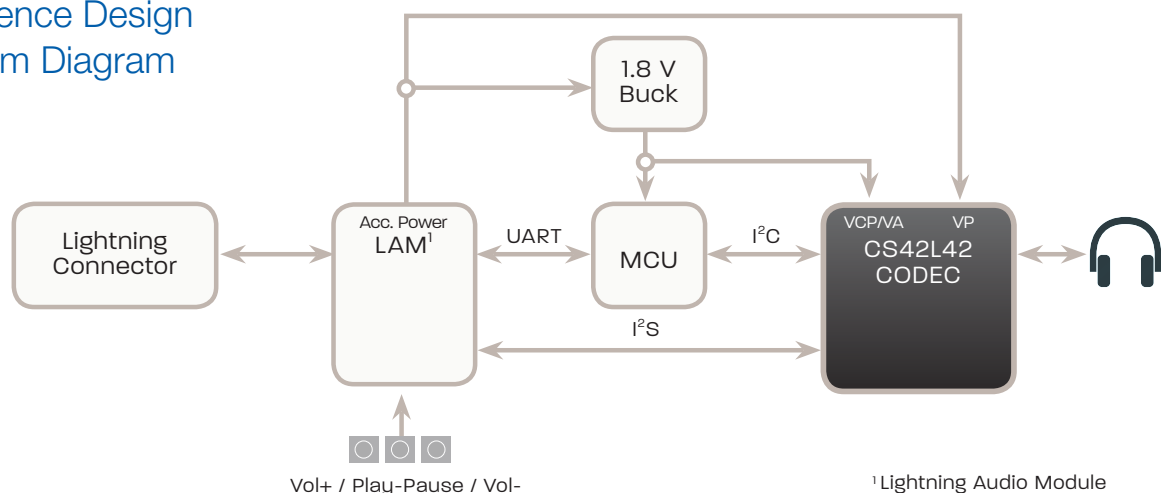
Overview

The MFi Headset Reference Design from Cirrus Logic is a rapid development platform for Lightning® connected headsets. It uses the CS42L42 smart codec to enable a hi-fi audio experience when listening to music, videos, or taking phone calls. The CS42L42 features a 114 dB headphone D/A converter that can deliver up to 35 mW stereo. It also has a 114 dB A/D converter with low noise microphone bias generator and sidetone mixing for clear phone calls. MCU example code shows how to quickly develop a product that complies with MFi requirements. The reference design includes a customer reference design board (CRD) that fits in a compact pendant form factor, and a larger customer development board (CDB) with header locations for rapid debug and development.

Reference Design Contents



Reference Design System Diagram



Additional Information

Please visit the Avnet® MFi portal for supporting documentation including the user manual, firmware and design files. The Avnet® MFi portal can be found at mfi.avnet.com.

Get your demo working in seconds!

- 1 Connect a headset to the audio cable or audio jack.
- 2 Connect an iOS device to the Lightning connector.
- 3 Play music or take a phone call.
- 4 Use remote buttons to control the volume and play/pause music.



CDB42L42-MFi Development Board



CRD42L42-MFi Reference Design



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