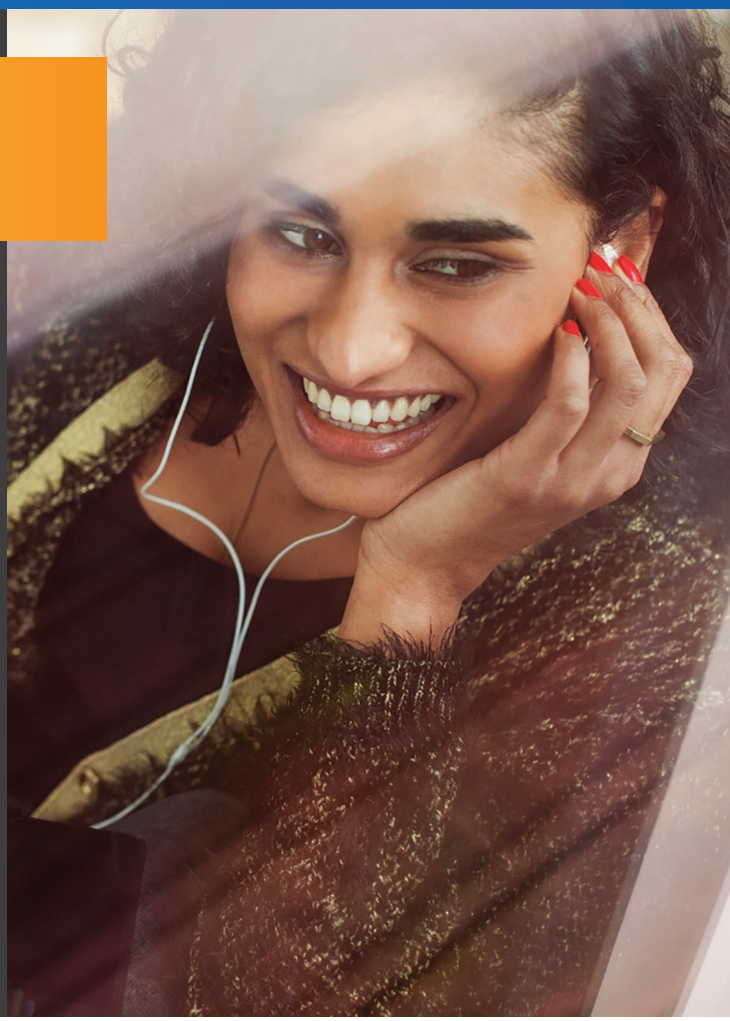
CRD42L42-MFi

MFi Digital Headset Reference Design



The CRD42L42-MFi is a Rapid Development Platform for Lightning Connected Headsets

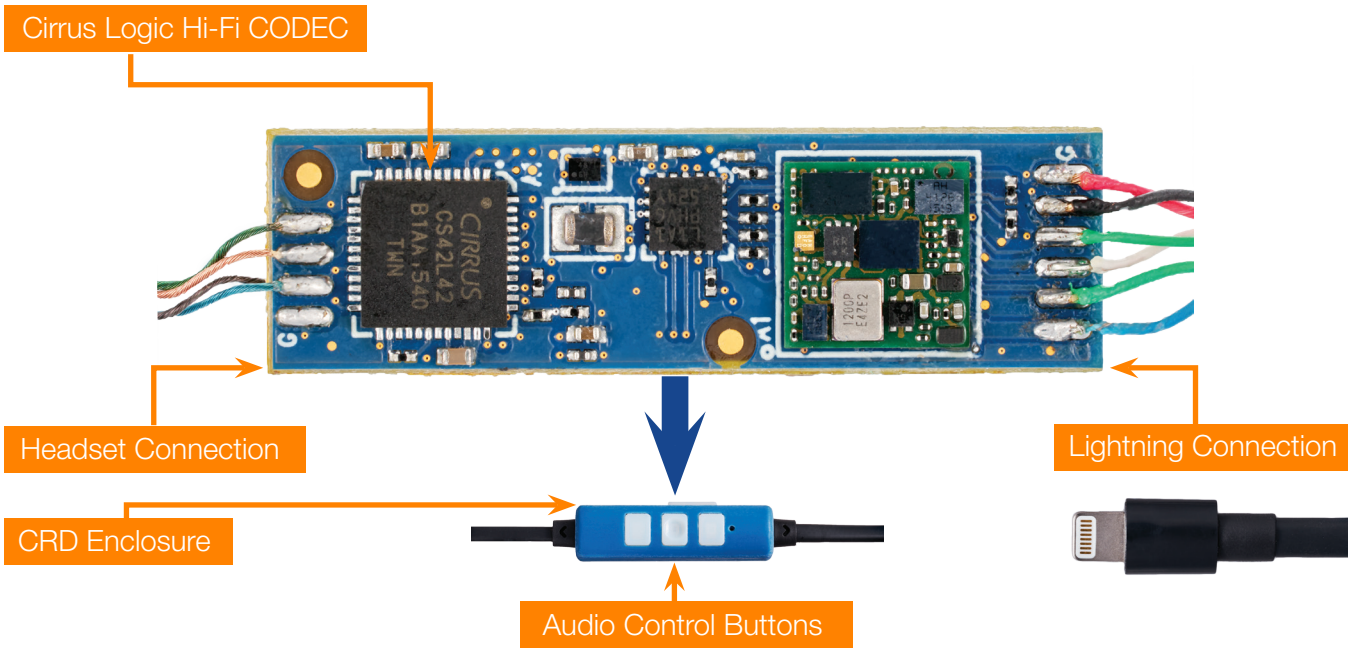
The MFi Headset Reference Design from Cirrus Logic is a rapid development platform for Lightning® connected digital headsets. It uses the CS42L42 codec to enable a hi-fi audio experience when listening to music or videos or during a phone conversation. The CS42L42 features a 114 db headphone D/A converter that can deliver up to 35mW stereo, and a 114 dB A/D converter with a low noise microphone bias generator and sidetone mixing to generate 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 into a compact pendant form factor and a larger customer development board (CDB) with header locations for debug.

Features

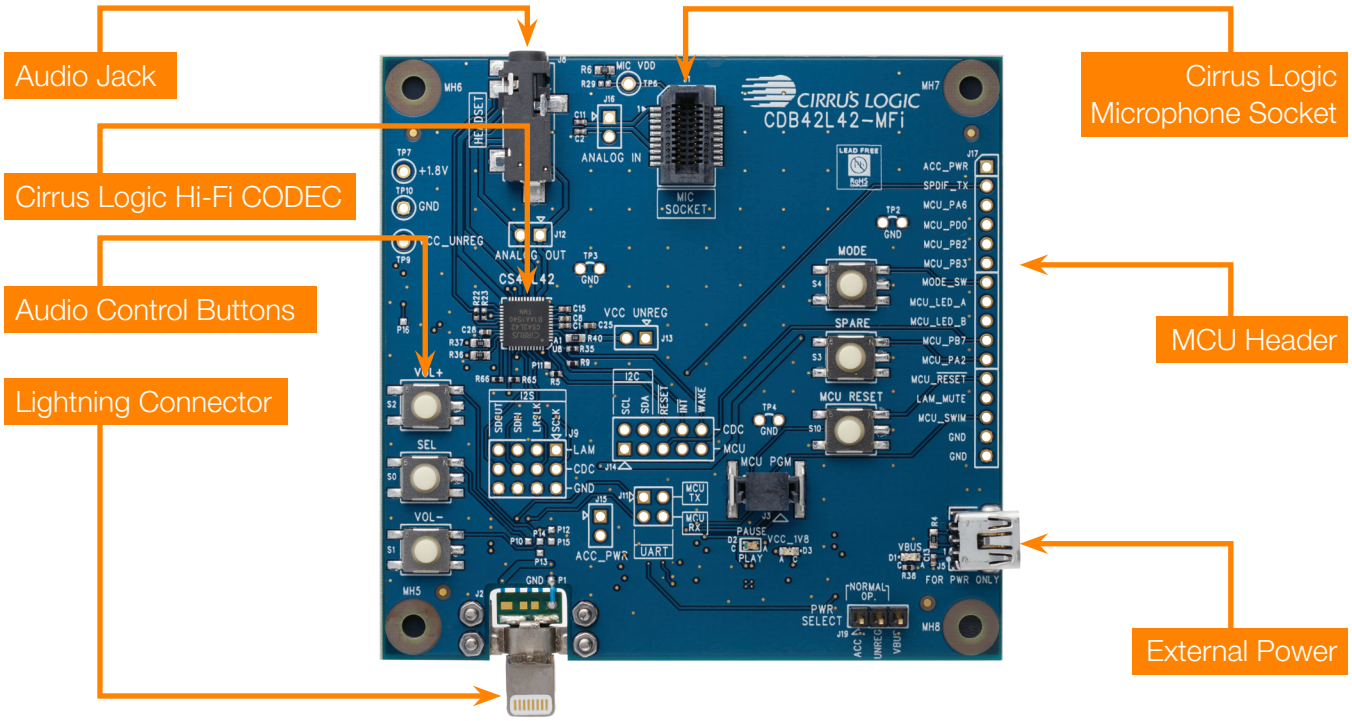
- Hi-Fi 114 dB DAC plus headphone driver
- 114 dB ADC with mic bias generator
- Voice sidetone mixer
- Audio remote control buttons
- Audio jack support
- Example iOS app
- CRD board in compact pendant form factor
- CDB board with debug headers
- Turnkey design collateral and documentation

The CRD42L42 Digital Headset Reference Design is available to MFi licensees. Contact your local Cirrus Logic representative for more information. For information about the Apple® MFi program, visit mfi.apple.com

CRD Board



CDB Board



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