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PIC32 Audio Codec Daughter Board – AK4954 Information Sheet

Thank you for purchasing a PIC32 Audio Codec Daughter Board, AK4954 (AC324954). This information sheet provides important information that will help you successfully use the daughter board as quickly as possible.

The PIC32 Audio Codec Daughter Board – AK4954 is based on the AKM AK4954 codec. This information sheet provides an overview as well as detailed schematics of the board.

This daughter board is designed specifically to be used with the PIC32 Bluetooth® Audio Development kit (DV320032); however, it can also be used with other Microchip development hardware.

Visit http://www.microchip.com for additional information on the PIC32 Audio Codec Daughter Board

Features

The PIC32 Audio Codec Daughter Board – AK4954 is a high-performance stereo codec board for select PIC32 hardware development platforms. This board features the AKM AK4954 stereo codec, including built-in microphone and headphone amplifiers. This board is suitable for adding audio input and output capabilities to the PIC32 Bluetooth Starter Kit (DM320018) and the PIC32 Bluetooth Audio Development Kit.

The PIC32 Audio Codec Daughter Board – AK4954 features include:

- AKM AK4954 codec
- MCP1801 power regulator
- On-board MEMs microphone
- 3.5 mm inputs and outputs:
  - Line in
  - External Mic in
  - Headphone out
- 32-bit I^2S audio
- Up to 96 kHz audio sample rates
- Suitable for audio and voice, and utilized in Bluetooth applications
- X32 connection interface

Additional Information

For more information on drivers and examples, please visit:

- www.microchip.com/pic32btsuites
- www.microchip.com/harmony

PIC32 Audio Codec Daughter Board – AK4954 Schematic















