

## PIC32 Audio Codec Daughter Card - AK4954 ★

### Part Number: AC324954

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The PIC32 Audio Codec Daughter Card: AC324954 is a high-performance 32-bit stereo codec board for selected PIC32 hardware development platforms. This board features the AKM AK4954 stereo codec, which includes a built-in microphone input, headphone amplifier output, and speaker amplifier output as well as EQ functionality. This board has a Headphone Out, Line in input, microphone input, Mono Speaker Output, and an on-board mems microphone. The AC324954 is suitable for adding Audio input and output capabilities to the PIC32 Bluetooth Start Kit (DM320018,) and the PIC32 Bluetooth Audio Development Kit (DV320032.)



- Based on the AKM 4954 32-Bit Audio Codec
- Integrated MEMS Microphone on-board, or external Microphone Input with ALC
- Suitable for a wide range of Audio/Voice Applications
- Integrated Speaker Amplifier Output
- Cap-less Headphone Amplifier
  
- X32 Connector Format compatible with:
  - o [PIC32 Bluetooth Start Kit \(DM320018\)](#)
  - o [PIC32 Bluetooth Audio Development Kit \(DV320032\)](#)
  - o [Curiosity PIC32MZEF Development Board \(DM320104\)](#)
  - o [Curiosity PIC32MX470 Development Board \(DM320103\)](#)
  
- Supported in [MPLAB® Harmony](#) Integrated Software Framework

#### Features

The PIC Audio Codec Daughter Card AC324954 Features Include:

- AK 4954A low power 32-Bit Stereo Codec
- Speaker Amplifier with a wide operating range, 0.9V to 5.5V (Mono Speaker Output via onboard jumper)
- 3.5 mm Inputs and Outputs:
  - Microphone Amplifier with Automatic Level Control (Microphone Input)
  - Line Input
  - Cap-less Headphone Amplifier (Headphone Output)

## Documentation & Software

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Documents	Last Updated	Size	
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