

PIC32 Audio Codec Daughter Card - AK4642EN

Part Number: AC320100

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The PIC32 Audio Codec Daughter Board AC320100 is a high-performance stereo codec board for selected PIC32 hardware development platforms. This board features the AKM AK4642EN stereo codec, which includes 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 is compatible with the PIC32 Bluetooth Audio Development Kit (DV320032).



Audio Codec Daughter Board
(Part # AC320100)

- Based on the AKM 4642 16-bit audio codec
- The board replaces the Audio DAC (AK4384) daughter board on the [PIC32 Bluetooth Audio Development Kit \(DV320032\)](#)
- This enables microphone capability and full duplex audio I2S from the PIC32
 - o Audio voice capture
 - o Bluetooth Hands free profile
 - o Integrated MEMS microphone on board, or external microphone input
- Can enable the [PIC32 Bluetooth Starter Kit \(DM320018\)](#) with audio in specific applications
- Has a new application featured in MPLAB Harmony v1.03 and later, with more to come

Features

The PIC32 Audio Codec Daughter Board AC320100 features include:

- AK4642EN Stereo Input / Output Codec
- MCP1801 Power Regulator
- On-board MEMs Microphone
- 3.5 mm Inputs and Outputs:
 - Line In
 - External Mic In
 - Line Out
 - Headphone Out

Documentation & Software

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Documents	Last Updated	Size	
PIC32 Audio Codec Daughter Board AK4624EN Information Sheet	11/25/2014 3:58:28 PM	68KB	