# **BeagleBone Audio**

From Circuitco Wiki Support

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### **Descriptions**

The BeagleBone Audio Cape provides a low-power audio output as well as an integrated microphone for BeagleBone. Two standard 3.5mm audio jacks are used for audio input and output. This cape also features a TLV320AIC3106, which is an audio codec with stereo headphone amplifier that can enable 48 kHz DAC playback.



# **Specifications**

#### **Electrical Specifications**

| Power      | 3.3V via expansion header |
|------------|---------------------------|
|            | 5V via expansion header   |
| Indicators | Two user LEDs             |
| Connectors | Two 46-position headers   |
|            | One 10-position header    |

#### **Mechanical Specifications**

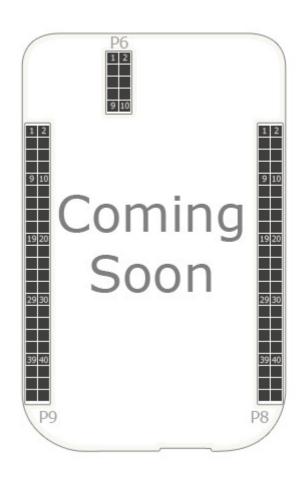
| Size           | 2.15" x 3.40" |
|----------------|---------------|
| Layers         | 4             |
| PCB Thickness  | .062"         |
| RoHS Compliant | Yes           |

### **EEPROM**

| EEPROM Suport | Yes                   |
|---------------|-----------------------|
| Board Name    | BeagleBone Audio Cape |
| Version       | 00A0                  |
| Manufacturer  | BeagleBoardToys       |
| Part Number   | BB-BONE-AUDI-01       |
| Pins Used     | 18                    |

## **Documentations**

| Open Source             | Yes        |
|-------------------------|------------|
| System Reference Manual | Yes        |
| Schematics              | PDF, OrCAD |
| PCB Files               | Allegro    |
| Gerber Files            | Yes        |
| Bills of Materials      | Yes        |



#### **Manufacturer's Link**

Manufacturer's link for this Cape is coming soon.

To go back to the cape list, please click here (http://circuitco.com/support/index.php?title=BeagleBone\_Capes)

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