# **BeagleBone CANBus**

#### From BEAGLE BOARD TOYS WIKI

### Contents

- 1 Descriptions
- 2 Specifications
  - 2.1 Electrical Specifications
  - 2.2 Mechanical Specifications
- 3 Signal Usage
- 4 EEPROM
- 5 Distributors
- 6 Product Images
- 7 Documentations
  - 7.1 BeagleBone CANBus Revision A

## Descriptions

The BeagleBone CANBus Cape makes use of DCAN1 interface of the AM335x processor. The CAN Bus interface can be accessed via a standard D-Sub 9 female serial connector. This connector is located to the side so it doesn't interfere with any Capes stacked above it. The BeagleBone CANBus Cape will support SocketCAN.



### Specifications

#### **Electrical Specifications**

| Power      | 3.3V via expansion header  |  |
|------------|----------------------------|--|
| Indicators | Power LED                  |  |
| Connectors | Two 46-position connectors |  |
|            | One 10-position connector  |  |

#### **Mechanical Specifications**



| Size                  | 3.40" x 2.45" |
|-----------------------|---------------|
| Layers                | 4             |
| PCB Thickness         | .062"         |
| <b>RoHS</b> Compliant | Yes           |

### Signal Usage

Pin Usage is coming soon.

#### **EEPROM**

| EEPROM Suport | Yes                    |
|---------------|------------------------|
| Board Name    | BeagleBone CANBus Cape |
| Version       | 00A0                   |
| Manufacturer  | BeagleBoardToys        |
| Part Number   | BB-BONE-SERL-01        |
| Pins Used     | TBD                    |

### **Distributors**

Distributor list will be posted soon.

### **Product Images**



BeagleBone CANBus

Note: These photos are from the alpha build. Production build photos will be updated soon.

#### **Documentations**

#### **BeagleBone CANBus Revision A**

Documentations coming soon.

Retrieved from "http://beagleboardtoys.com/wiki/index.php?title=BeagleBone\_CANBus"

- This page was last modified on 16 May 2012, at 00:01.
- This page has been accessed 55 times.
- Content is available under GNU Free Documentation License 1.3 or later.