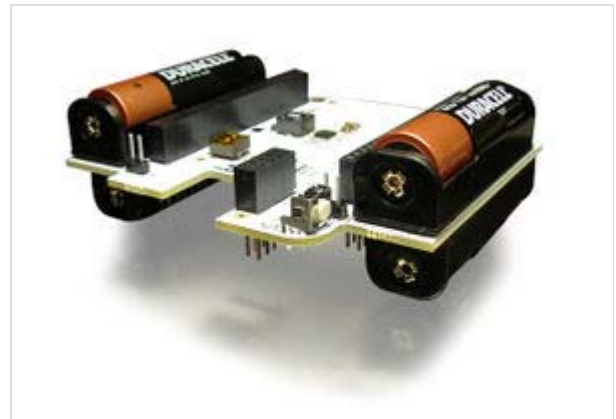# BeagleBone Battery

From BEAGLE BOARD TOYS WIKI

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Descriptions

The BeagleBone Battery Cape provides a portable power solution for BeagleBone boards. This cape provides 5V power supply to the BeagleBone using everyday AA battery cells. The Battery cape can be used with up to 4 battery cells, which boosts the BeagleBone working time even longer. The BeagleBone Battery cape is also equipped with a power button, power indicator LED, and EEPROM for muxing configuration.

Specifications

Followings are some specifications of the BeagleBone Battery Cape:

Electrical Specifications

Power	3.0V via battery cells
Indicators	One Power LED
Connectors	Two 46-position connectors
	One 10-position connector

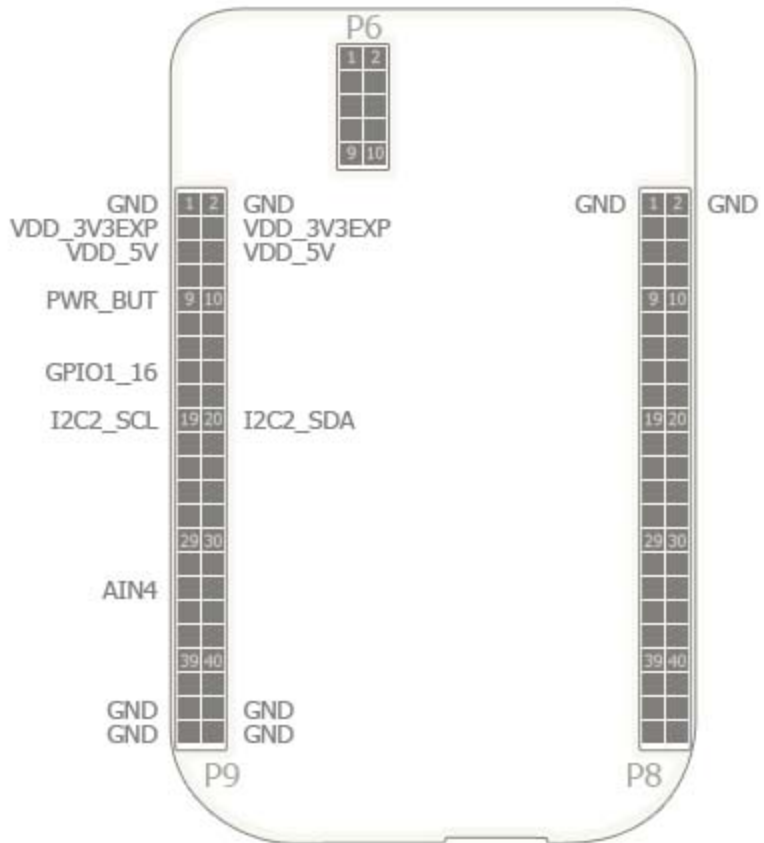## Mechanical Specifications

Size	3.55" x 3.40"
Layers	2
PCB Thickness	.062"
RoHS Compliant	Yes

Signal Usage

The BeagleBone Battery Cape uses 8 signals including:

- VDD_3V3EXP
- VDD_5V
- DGND
- PWR_BUT
- GPIO1_16
- I2C2_SCL
- I2C2_SDA
- AIN4

EEPROM

EEPROM Suport	Yes
Board Name	BeagleBone Battery Cape
Version	00A0
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-BATT-01
Pins Used	17

Distributors

Distributor list will be posted soon.

Product Images

BeagleBone Battery

Documentations

BeagleBone Battery Revision A

Documentations coming soon.

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