

# BeagleBone LCD3

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 LCD3 Revision A

## Descriptions

The BeagleBone LCD3 Cape provides a portable LCD solution with touchscreen capability for BeagleBone boards. The 3.5" TFT LCD screen, attached to the topside of the board, can display up to a resolution of 320x240 and is a 4-wire resistive touchscreen. The board is equipped with seven buttons located at finger-friendly positions. These buttons include power, reset, and five user buttons, which are mapped to different GPIO signals. The backside of the Cape is where a BeagleBone can be mounted.



## Specifications

Followings are some specifications of the BeagleBone LCD3 Cape:

### Electrical Specifications

Power	3.3V via expansion header
	5V via expansion header
Display Model	Elpa Displays S035Q01

Display Type	3.5" TFT LCD
Resolution	320x240
Touchscreen	4-wire
Indicators	One Power LED
	Two User LEDs
Buttons	One power button
	One reset button
	Five user buttons
Connectors	One 46-position male headers
	One 20-position male header
	One 6-position male connector

## Mechanical Specifications

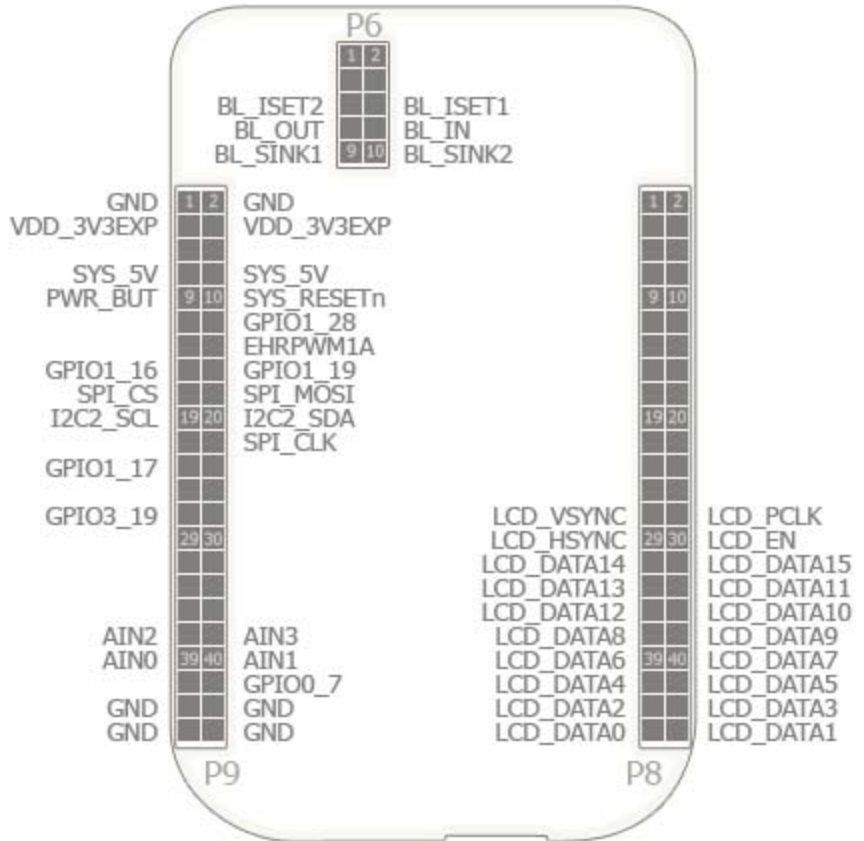
Size	4.00" x 2.50"
Layers	4
PCB Thickness	.062"
RoHS Compliant	Yes

## Signal Usage

The BeagleBone LCD3 Cape uses 47 signals including:

- VDD\_3V3EXP
- SYS\_5V
- DGND
- PWR\_BUT
- SYSRESETn
- GPIO1\_28
- EHRPWM1A
- GPIO1\_16
- GPIO1\_19
- SPI\_CS
- SPI\_MOSI
- SPI\_CLK
- I2C2\_SCL
- I2C2\_SDA
- GPIO1\_17
- GPIO3\_19
- AIN0

- AIN1
- AIN2
- AIN3
- GPIO0\_7
- LCD\_VSYNC
- LCD\_HSYNC
- LCD\_PCLK
- LCD\_EN
- LCD\_DATA[0..15]
- BL\_ISET2
- BL\_ISET1
- BL\_OUT
- BL\_IN
- BL\_SINK1
- BL\_SINK2



## EEPROM

EEPROM Support	Yes
Board Name	BeagleBone LCD3 Cape
Version	00A0
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-LCD3-01
Pins Used	54

## Distributors

Distributor list will be posted soon.

## Product Images

---



BeagleBone LCD3



Bottom side

## Documentations

### BeagleBone LCD3 Revision A

Documentations coming soon.

Retrieved from "[http://beagleboardtoys.com/wiki/index.php?title=BeagleBone\\_LCD3](http://beagleboardtoys.com/wiki/index.php?title=BeagleBone_LCD3)"

---

- This page was last modified on 4 May 2012, at 15:46.
- This page has been accessed 1,731 times.
- Content is available under GNU Free Documentation License 1.3 or later.