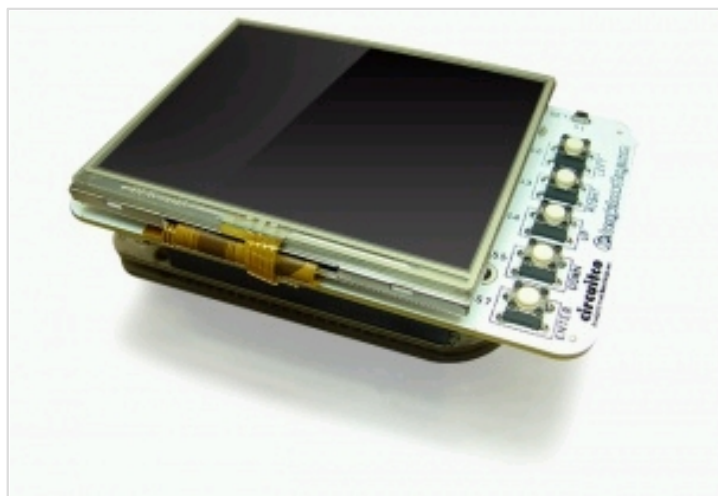


BeagleBone LCD3

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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 switches located at finger-friendly positions. These switches include power, reset, and five user switches, which are mapped to different GPIO signals. The backside of the cape is where a BeagleBone can be mounted.



Specifications

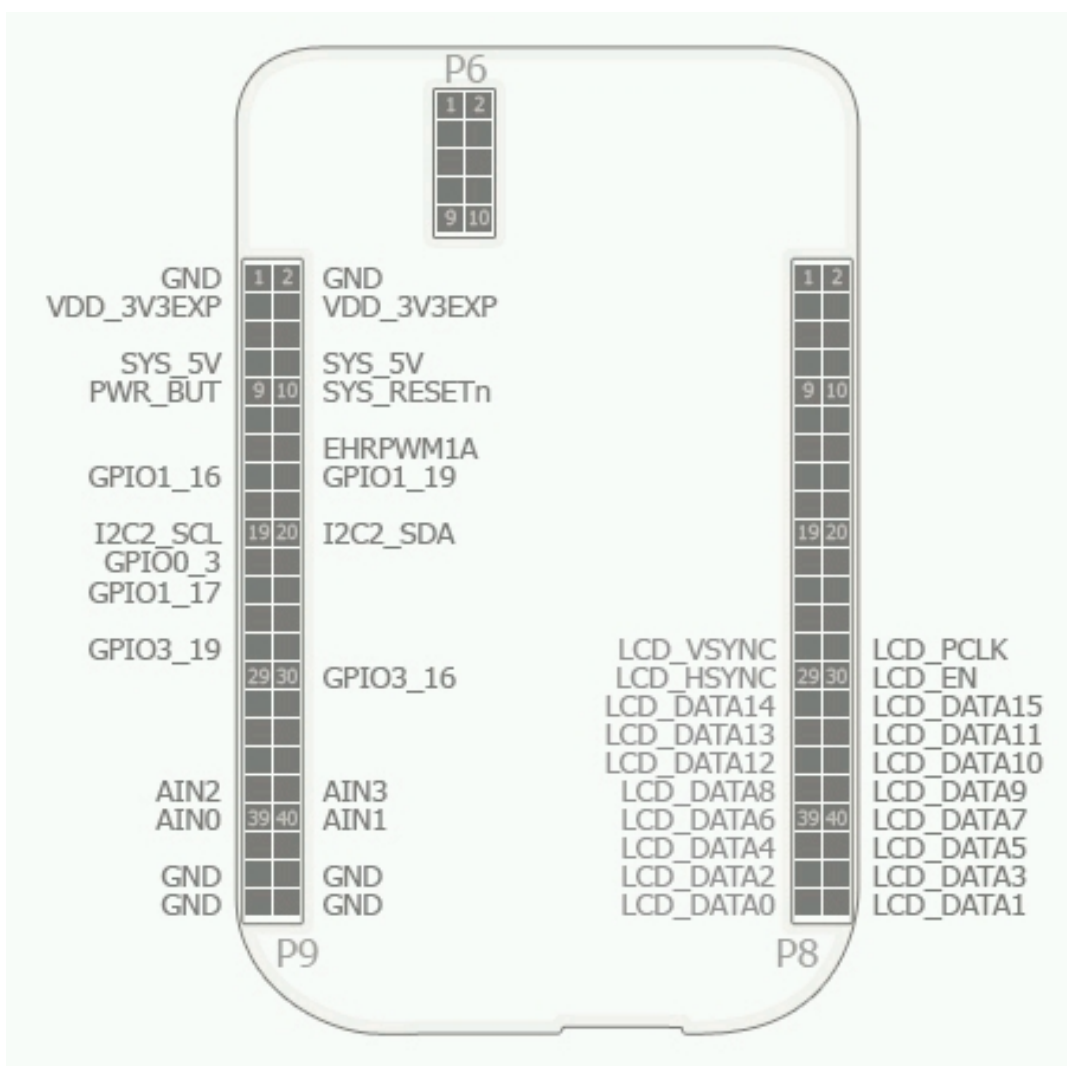
Electrical Specifications

Power	3.3V via BeagleBone header
	5V via BeagleBone header
Display Model	Elpa S035Q01
Display Type	3.5" TFT LCD
Resolution	320x240
Touchscreen	4-wire
Indicators	Power LED
	User LED
Switches	One power switch
	One reset switch
	Five user Switches
Connectors	One 46-position male headers
	One 20-position male header
	One 6-position male connector (removed since rev. A2)

Mechanical Specifications

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

EEPROM



EEPROM Suport	Yes
Board Name	BeagleBone LCD3 Cape
Version	00A2
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-LCD3-01
Pins Used	45

Documentations

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

Vendors

- [Boardzoo \(USA\)](#)
- [Arrow Electronics \(US\)](#)
- [Digi-Key \(USA\)](#)
- [Mouser Electronics \(USA\)](#)
- [Special Computing \(USA\)](#)
- [Tigal \(Austria\)](#)

Manufacturer's Link

For more information about this cape, please visit BeagleBoardToys.info

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