

BeagleBone LCD3

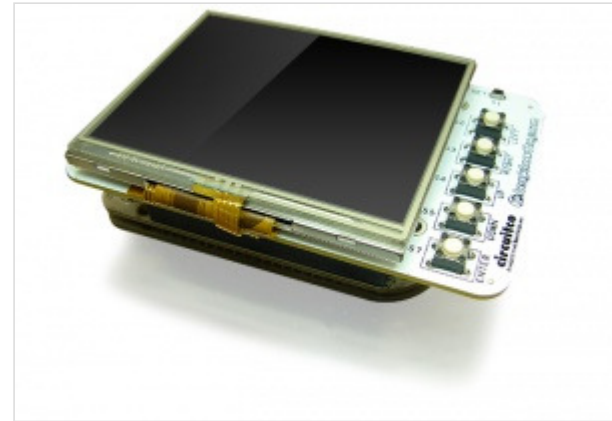
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Contents

- 1 Descriptions
- 2 Specifications
 - 2.1 Electrical Specifications
 - 2.2 Mechanical Specifications
- 3 EEPROM
- 4 Documentations
- 5 Vendors
- 6 Manufacturer's Link

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 expansion header
	5V via expansion header
Display	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

EEPROM

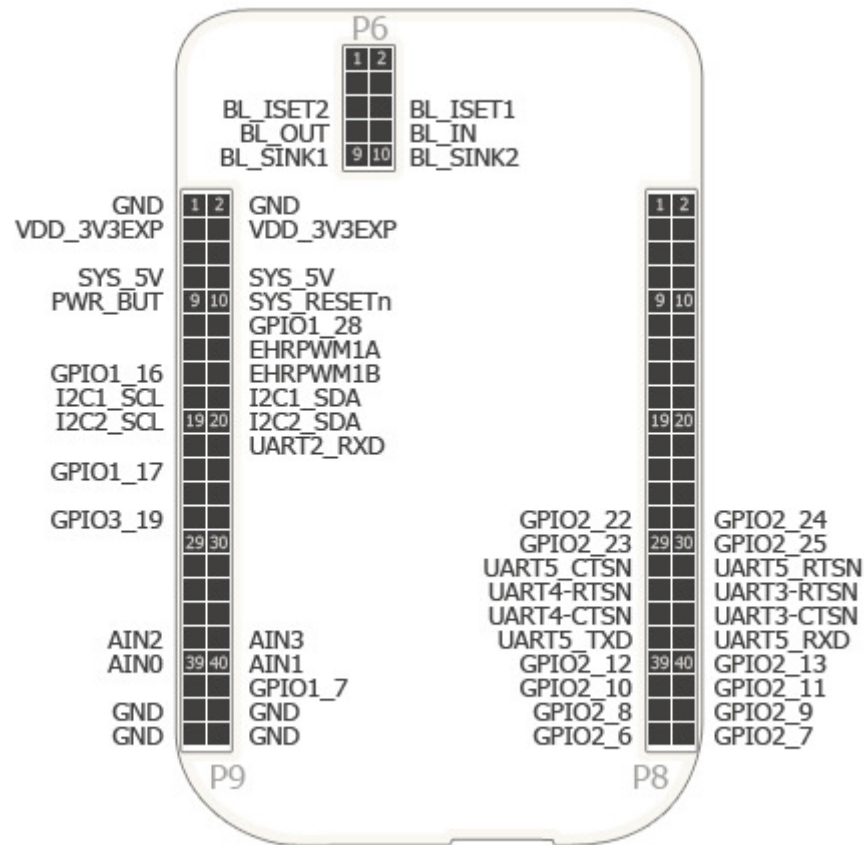
EEPROM Suport	Yes
Board Name	BeagleBone LCD3 Cape
Version	00A0
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-LCD3-01
Pins Used	54

Documentations

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

Vendors

- Boardzoo (USA)
(http://boardzoo.com/product_info.php?cPath=1&products_id=90)
- Arrow Electronics (US)
(<http://www.arrow.com/>)
- Digi-Key (USA)
(<http://www.digikey.com/>)
- Mouser Electronics (USA)
(<http://www.mouser.com/>)
- Special Computing (USA) (<https://specialcomp.com/>)
- Tigel (Austria) (<http://www.tigel.com/product/2411>)



Manufacturer's Link

For more information about this cape, please visit BeagleBoardToys.com (http://beagleboardtoys.com/wiki/index.php?title=BeagleBone_LCD3)

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

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