

# BeagleBone LCD7 - BEAGLEBONE LCD CAPE

From Circuitco Wiki Support

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## Descriptions



The BeagleBone LCD7 Cape provides an LCD solution with touchscreen capability for BeagleBone boards. The 7" TFT LCD screen, attached to the topside of the board, can display up to a resolution of 800x480 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 the BeagleBone and additional cape can be mounted.

## Specifications

### Electrical Specifications

<b>Power</b>	5V DC	<b>Buttons</b>	One reset button
	3.3V via expansion header		Five user buttons
	5V via expansion header	<b>Connectors</b>	Two 46-position male headers
<b>Display Model</b> ThreeFive TFC-S9700RTWV35TR-01	One 46-position male header		
<b>Display</b> 7" TFT LCD	Two 46-position female connectors		
<b>Resolution</b> 800x480	One 10-position female connector		
<b>Touchscreen</b> 4-wire			
<b>Indicators</b> One Power LED			

## Mechanical Specifications

<b>Size</b>	4.50" x 6.90"
<b>Layers</b>	6
<b>PCB Thickness</b>	.062"
<b>RoHS Compliant</b>	Yes

## EEPROM

<b>EEPROM Support</b>	Yes
<b>Board Name</b>	BeagleBone LCD7 Cape
<b>Version</b>	00A3
<b>Manufacturer</b>	BeagleBoardToys
<b>Part Number</b>	BB-BONE-LCD7-01
<b>Pins Used</b>	48

