

BeagleBoardToys/BeagleBone TiWi-5E w/ Chip Antenna

Contents

[\[hide\]](#)

- [1 Descriptions](#)
- [2 Revision Changes](#)
 - [2.1 Revision A](#)
- [3 Specifications](#)
 - [3.1 Electrical Specifications](#)
 - [3.2 Mechanical Specifications](#)
- [4 EEPROM](#)
- [5 Product Images](#)
- [6 Vendors](#)
- [7 Documentations](#)

Descriptions



The BeagleBone TiWi-5E Cape w/ Chip Antenna is an add-on board that provides Wi-Fi and Bluetooth capability for the BeagleBone. This cape is equipped with LSR TiWi-5 module that is capable of providing high performance 2.4 and 5 GHz IEEE 802.11 a/b/g/n and cost effective Bluetooth 4.0 + EDR. The antenna on this cape is populated on board.

Revision Changes

Revision A

Initial release of The BeagleBone TiWi-5E Cape w/ Chip Antenna

Specifications

Electrical Specifications

Power	3.3V via expansion connector 5V via expansion connector
WiFi	IEEE 802.11 a,b,g,n
Bluetooth	Bluetooth 2.1+EDR BT4.0 BLE and ANT
Antenna	Chip, Onboard
Connectors	Two 46-position stackable connectors
LEDs	Six LEDs

Mechanical Specifications

Size	2.15" x 3.40"
Layers	4
PCB Thickness	.062"
RoHS Compliant	Yes

EEPROM

EEPROM Support	Yes
Board Name	BeagleBone TiWi-5E Cape w/ Chip Antenna
Version	A
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-WIFI-03
Pins Used	TBD