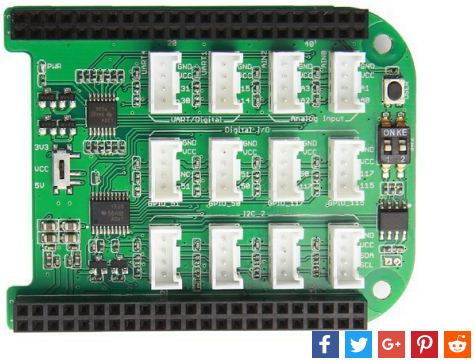

Grove Base Cape for Beaglebone v2.0

SKU 103030035

- Compatible with beaglebone V2.0
- Introduce the Grove system for rapid prototyping
- Provides up to 12 Grove ports
- Changeable I2C address to avoid address conflicts
- Various interfaces include 2 UART, 4 I2C, 2 analog out and 4 digital I/Os

IN STOCK 26 Available

Qty: 1

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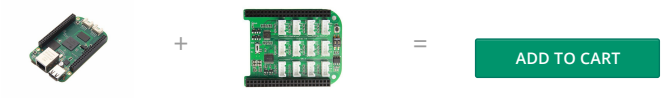


SeeedStudio BeagleBone Green + Grove Base Cape for Beaglebone = ADD TO CART

Description

One of the best things about Beaglebone Board is the massive accessible GPIOs coming out from its 2x 46 pin headers. However, as we know, all things has two sides - the good side and the bad side. 2x46 pins means 2x46 jumper wires, and 2x46 jumper wires putting on the board means – A REAL MESS. How can a rapid prototyping be called 'rapid' if you spend most of your time dealing with entangled wires? Now this Grove Base Cape for Beaglebone v2.0 is designed for real rapid prototyping with your Beaglebone board.

The cape has brought the simplicity of Grove system to your Beaglebone projects, just attach it directly onto your Beaglebone v2.0, and then you can have 12 easy-to-use Grove connectors to do plug-and-play with the big family of Grove modules. The connectors include 2x UART, 2x ADC, 4x Digital I/O and 4x I2C that interface to the pins on your Beaglebone board, offering almost everything you need. There are two switches used to reset the I2C address in case of address conflicts. The board also integrates a switch for voltage transition - from a normal 5V to 3.3V.

SPECIFICATION

- 12 Grove Connectors includes
- 2x UART
- 2x Analog Input
- 4x Digital I/O
- 4x I2C Interface

PART LIST

See More

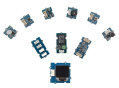
Recipes

Documents

Wiki
LMV324 datasheet
EAGLE Schematic & PCB files and PDF f...
TXB0108PW datasheet
Recipes
Schematics

Recommendations


SeeedStudio BeagleBone Green Wireless


Grove Starter Kit for SeeedStudio...


Motor Bridge Cape

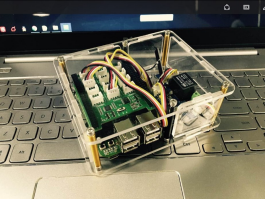

SeeedStudio BeagleBone Green


Grove Cape for BeagleBone Series

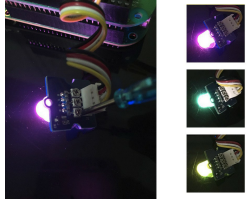

Grove - Universal 4 Pin 20cm...


Grove - Relay

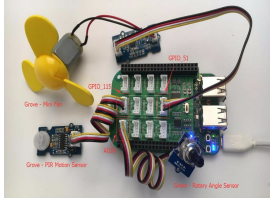

Acrylic Case for BeagleBone Green



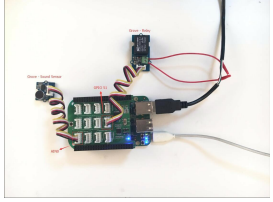
Home Control Center using BeagleBone Green Wireless



BBGW starter tutorial#1 The breath LED



BBGW starter tutorial#2: storm on your table



BBGW starter tutorial#3 Speak louuuuuudly

Questions and Answers

Have a question about this? Ask people who own it.

0

I have problems with the cape.When using any of the I / O to read a grove button, this port is in 5v digital ports always after pressing the button.When I check with my multimeter apparently discharged and again have 0vAny suggestions?In addition I would ask to repair the link to the schematic of this cape because the wiki does not work.

Sebastian Saez on Nov 07,2016

Reply | upvote (0)

Hi Sebastian, sorry for any inconvenience that caused. Please kindly refer to http://wiki.seeedstudio.com/images/4/4d/Grove_Base_Cape_for_BeagleBone_v2.0_Schematics.zip

Law Yan on Nov 08,2016 16:03 PM

Reply | upvote (0)

Change the Grove button Signal pulldown resistance 10k to 1k.Let us know the results.

Please download schematic from the following link http://wiki.seeedstudio.com/wiki/File:Grove_Base_Cape_for_BeagleBone_v2.0_Schematics.zip.

kavi on Nov 08,2016 16:10 PM

Reply | upvote (0)

thanks for the schematic and tips Law Yan and kavi.

I changed the 10K resistor in Grove button to 1K and it's working. (please check the .sch file, I think it's empty)

Now I have the same problem with a AM2302 sensor. I can't use 1-wire throu the Grove Beaglebone Cape

See More

View History

Screw Shield

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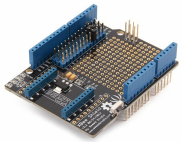

XBee Shield V2.0

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Base Shield V2

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SD Card Shield V4

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mbed Shield

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Embest BeagleBone Black Rev.C -...

SeeedStudio BeagleBone Green HDMI Cape

Seeed Studio BeagleBone Green...

Grove - 4 pin Female Jumper to Grove...

Grove - Universal 4 Pin Buckled 50cm...

Grove - I2C Hub

Grove - Universal 4 pin connector

Grove - Universal 4 Pin Buckled 20cm...

Base Shield V2

GrovePi+

LinkIt Smart 7688 Duo

Raspberry Pi 3 Model B

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