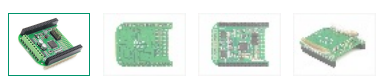
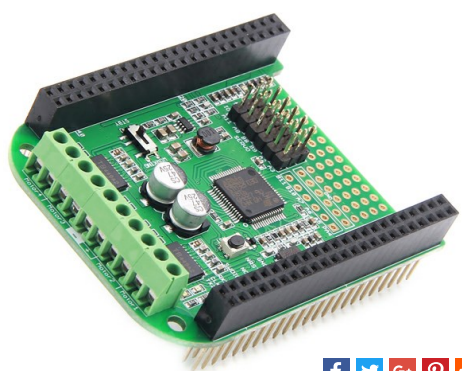


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Motor Bridge Cape

SKU 105030006

- Can drive 4 DC Motors or 2 Stepper Motors
- Can drive 6 Servos
- Mbed Platform
- STM32F0 coprocessor

IN STOCK 6 Available

Qty:

-

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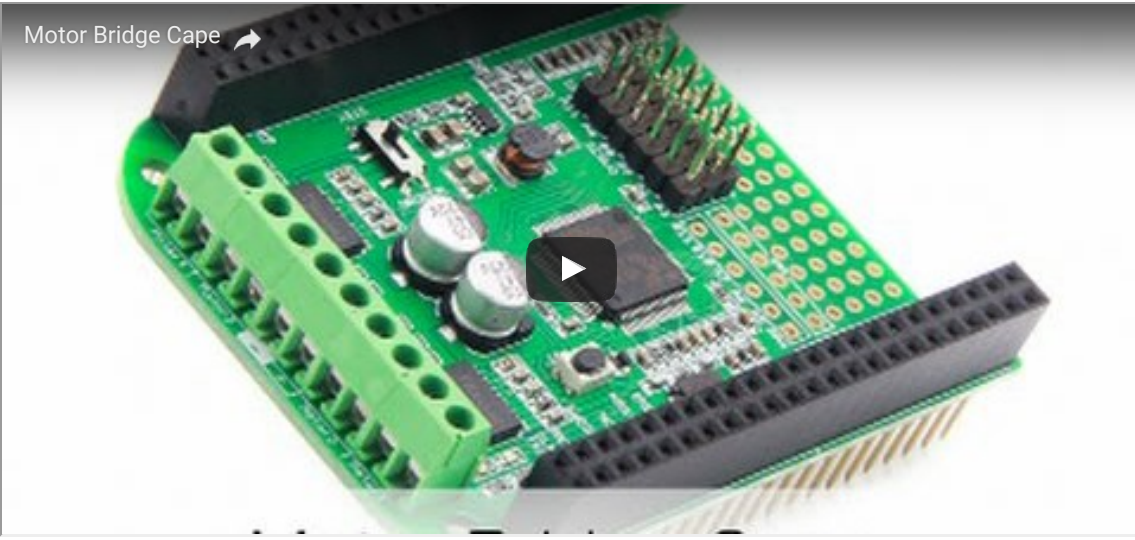
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SeedStudio BeagleBone Green Motor Bridge Cape

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Description



The Motor Bridge Cape features bi-directional motor control using two TB6612FNG integrated dual H-bridge, so it can control two stepper motors or four brushed DC motors with 6~15V DC power and about 1A current draw per motor. The cape provides 5V regulated power to SeedStudio BeagleBone Green or BeagleBone Black with a max input voltage of 15V. It also has six servo control interface and six expand IO. All the features are provided by the on board STM32F0 coprocessor. The coprocessor can communicate with BeagleBone by I2C or UART interface.

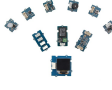
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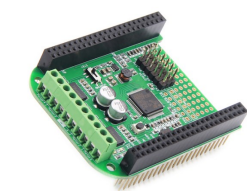
Recipes

Documents

- [Wiki](#) 
- [Motor Bridge Cape Firmware Source C...](#) 
- [Motor Bridge Cape Library](#) 
- [Schematic in Eagle File](#) 
- [Schematic in PDF](#) 
- [PCB in Eagle File](#) 

Recommendations

-  **SeedStudio BeagleBone Green Wireless**
-  **Grove Base Cape for Beaglebone v2.0**
-  **SeedStudio BeagleBone Green**
-  **Grove Cape for BeagleBone Series**
-  **Grove Starter Kit for SeeedStudio...**
-  **7 Inch LCD Cape for Beagle Bone Black...**
-  **Linkit Smart 7688 Duo**
-  **Embest BeagleBone Black Rev.C ...**



Getting Started with Motor
Bridge Cape for BBG/BBB

Questions and Answers

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

0

will the cape power my beaglebone ?? or do i have to supply 5v seperately to my beaglebone ??

Prabhakar.Ashwin on Feb 16,2017

Reply |
upvote (0)

Hello...the MBC, Motor Bridge Cape, must be powered separately from the BBB/BBG.

Seth

P.S. If you want to supply voltage to your BBG/BBB, add a small power pack and use a 12v for the MBC.

silver on Feb 17,2017 10:36 AM

Reply |
upvote (0)

@silver You are right.

ae on Feb 17,2017 10:55 AM

Reply |
upvote (0)

Hi Thanks for your inputs. Is this cape compatible with the new beaglebone balck wireless ?? please find the lind attached.

<https://beagleboard.org/black-wireless>

Thanks

Prabhakar.Ashwin on Feb 17,2017 10:57 PM

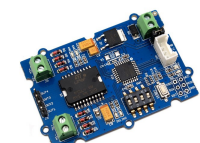
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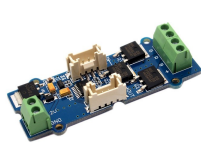
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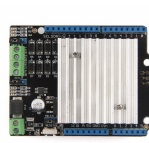
Grove - Vibration Motor



Grove - I2C Motor Driver



Grove - LED Strip Driver



Motor Shield V2.0



4A Motor Shield

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5 Inch BeagleBone Green
LCD Cape with...



KiwiSDR Board



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Grove - Line Finder v1.1



Grove - Universal 4 Pin
20cm...



Grove - Universal 4 Pin
Buckled 20cm...



KiwiSDR Kit



Grove LED Bar v2.0

Grove - I2C Motor Driver

Grove - Universal 4 Pin
Buckled 50cm...

ESP-32S Wifi Bluetooth
Combo Module

