

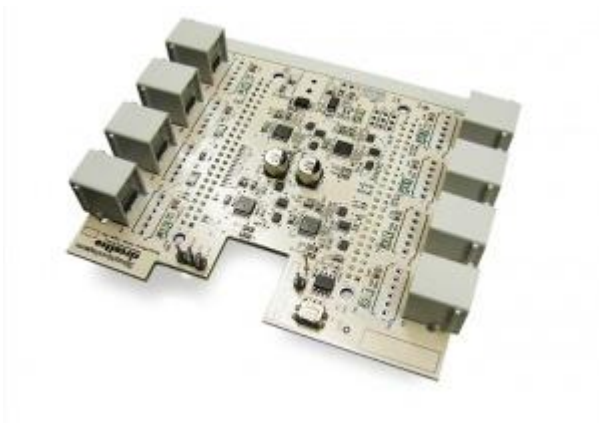
BeagleBoardToys/BeagleBone Motor w/ NXT Connectors

Contents

[\[hide\]](#)

- [1 Descriptions](#)
- [2 Revision Changes](#)
 - [2.1 Revision A1](#)
- [3 Specifications](#)
 - [3.1 Electrical Specifications](#)
 - [3.2 Mechanical Specifications](#)
- [4 EEPROM](#)
- [5 Distributors](#)
- [6 Product Images](#)
- [7 Documentations](#)

Descriptions



The BeagleBone Motor Cape with NXT Connectors gives BeagleBone boards the ability to drive different types of motors. This cape features TI motor driver DRV8833 that can drive up to eight DC brush motors at 500mA per motor. This Motor Cape is populated with NXT connectors to interface with NXT devices.

Revision Changes

Revision A1

Initial release of the BeagleBone Motor Cape with NXT Connectors

Specifications

Electrical Specifications

Power	3.3V via expansion connector 5V via expansion connector
Number of Motors	Up to 8 DC brush motors
Driver current	500mA per motor
Connectors	Two 46-position stackable connectors 8 NXT connectors
LEDs	Power LED 4 Error LEDs

Mechanical Specifications

Size	3.85" x 3.40"
Layers	4
PCB Thickness	.062"
RoHS Compliant	Yes

EEPROM

EEPROM Support	Yes
Board Name	BeagleBone Motor w/ NXT Connectors
Version	00A1
Manufacturer	BeagleBoardToys
Part Number	BB-BONE-MOTOR-01
Pins Used	TBD