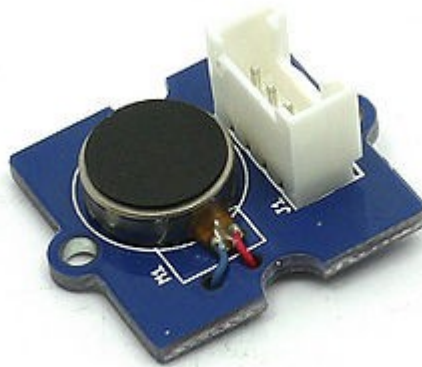# SEED TECHNOLOGY INC (SEEEDUINO)
Grove - Vibrator
Model: ROB51043P

Introduction

Vibrator Grove is consist one coin type motor which is a Permanent Magnet coreless DC motor. It vibrates when the input is logic HIGH. It is very easy to drive and Grove compatiable. Can be used in toys and cell phone modules.
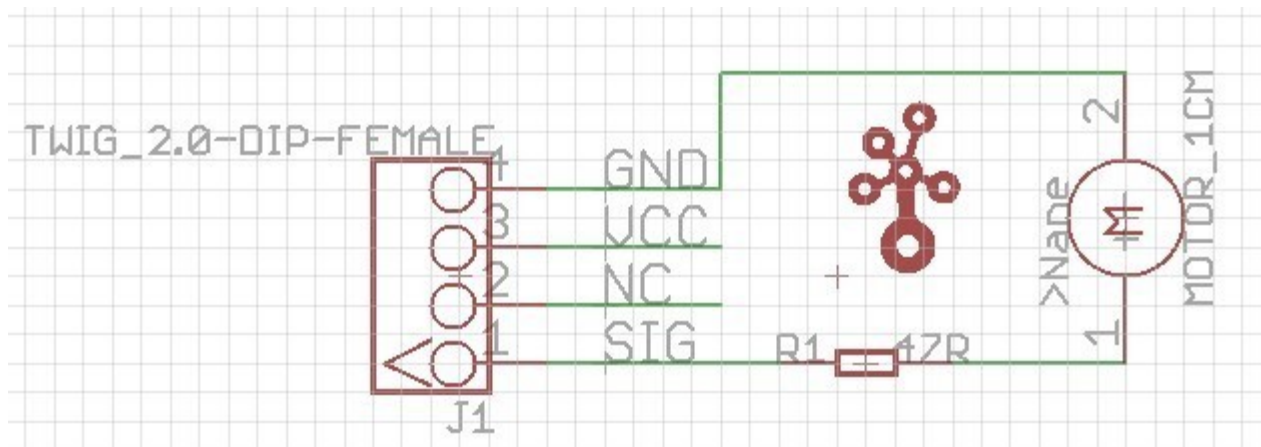
Features

- Grove compatiable
- Permanent Magnet coreless DC motor
- Low power consumption
- High reliability

Application Ideas

- Toys
- Used with GPRG Shield
- Game Centre
- Personal Digital Assistants

Cautions

The warnings and wrong operations possible cause dangerous.
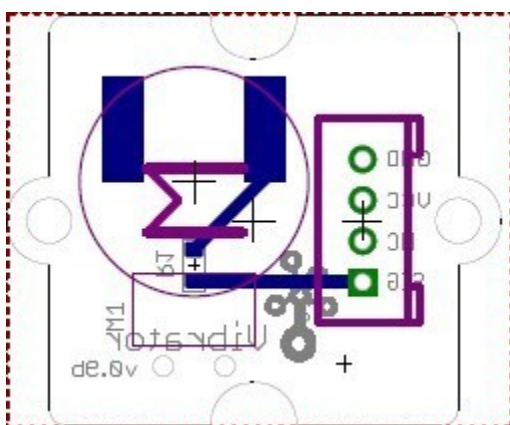
Schematic

Specification

May include key specification and other specifications.

Key Specification

Item	Minimum	Maximum
Operate voltage	3.0V	5.0V
Communication Protocol		

Pin definition and Rating

Pad Type	Pin Status	Description
GND	Input	Ground port
SIG	Input	When Logic HIGH, the motor is ON. When LOW, the motor is OFF.
NC	N/A	not connected
VCC	Input	Designed for 5V(+)power supply

Mechanic Dimensions

Dimention: 2cm X 2cm

Usage

Hardware Installation

Programming

Includes important code snippet. Demo code like :

```
Demo code
{


int MoPin = 9;     // vibrator Grove connected to digital pin 9

void setup()  {
  pinMode( MoPin, OUTPUT );
}

void loop()  {

    digitalWrite(MoPin, HIGH);
    delay(1000);

    digitalWrite(MoPin, LOW);
    delay(1000);
}



}
```

Example

The projects and application examples.

Bill of Materials (BOM) /parts list

All the components used to produce the product.

FAQ

Please list your question here:

Support

If you have questions or other better design ideas, you can go to our [forum](#) or [wish](#) to discuss.

Version Tracker

Revision	Descriptions	Release
v0.9b	Initial public release	May 10, 2011
v1.0	Formal mass production version	Nov 5, 2011

Bug Tracker

Bug Tracker is the place you can publish any bugs you think you might have found during use. Please write down what you have to say, your answers will help us improve our products.

Additional Idea

The Additional Idea is the place to write your project ideas about this product, or other usages you've found. Or you can write them on Projects page.

Resources

The resources need to be downloaded, like Eagle file, Demo code, project or other datasheet.

How to buy

Please click here to buy Grove - Vibrator v1.0: http://www.seeedstudio.com/depot/grove-vibrator-p-839.html?cPath=170_171

See Also

Other related products and resources.

Licensing

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