

Adafruit DRV2605L Haptic Motor Controller

PRODUCT ID: 2305

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1

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☐ Also include 1 x **Vibrating Mini Motor Disc** ()

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DESCRIPTION

TECHNICAL DETAILS

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DESCRIPTION

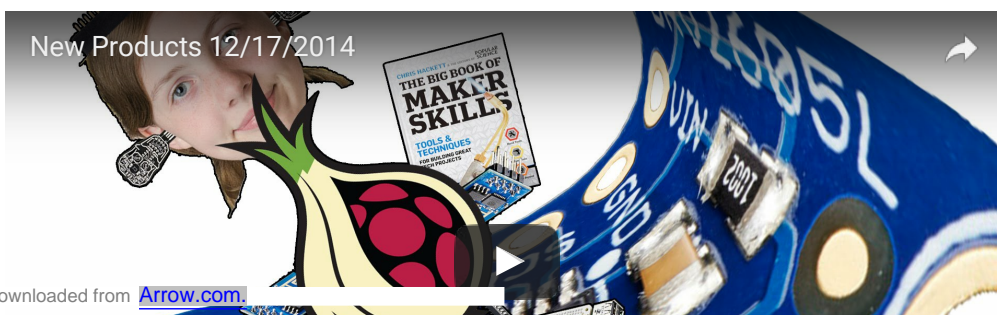
The DRV2605 from TI is a fancy little motor driver. Rather than controlling a stepper motor or DC motor, its designed specifically for controlling **haptic** motors - buzzers and vibration motors. Normally one would just turn those kinds of motors on and off, but this driver has the ability to have various *effects* when driving a vibe motor. For example, ramping the vibration level up and down, 'click' effects, different buzzer levels, or even having the vibration follow a musical/audio input.

This chip is controlled over I2C - after initialization, a 'string' of multiple effects can be strung together in the chips memory and then triggered to actuate in a row. The built in effects are much much nicer than just 'on' and 'off' and will make your haptic project way nicer feeling.

According to the product page, it can be used with both LRA (Linear Resonance Actuator) and ERM (Eccentric Rotating Mass) type motors **but we have only used it with our little vibration pancake ERM**.

We put this nice chip onto a breakout board. it works with both 3V and 5V power/logic, **we have code specifically for Arduino but porting it to any I2C-capable processor should be quite simple. Check it out and get buzzing!**

New Products 12/17/2014

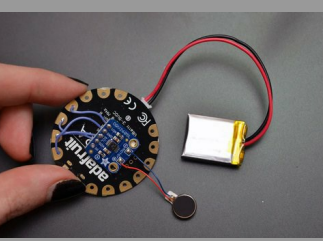




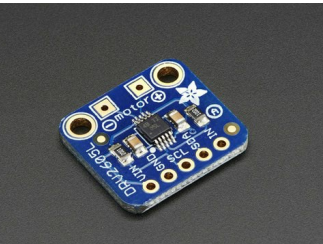
TECHNICAL DETAILS

- Dimensions: 18mm x 17mm x 2mm / 0.7" x 0.7" x 0.1"
- 1.0g
- [Datasheet](#), [schematic](#), [PCB files](#), and [Fritzing](#) available in the product tutorial

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[Haptic Headband](#)
Vibrating Meditation Timer & More!



[Adafruit DRV2605 Haptic Controller Breakout](#)
BzzzzzBBzzzzzBzZZzz

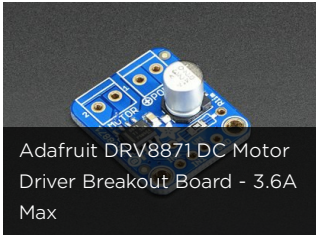
MAY WE ALSO SUGGEST...



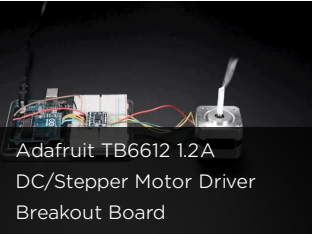
Vibrating Mini Motor Disc



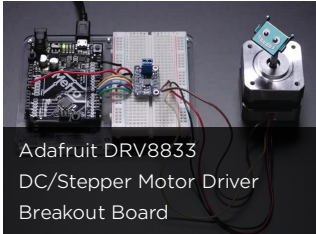
Adafruit
Motor/Stepper/Servo Shield
for Arduino v2 Kit



Adafruit DRV8871 DC Motor
Driver Breakout Board - 3.6A
Max



Adafruit TB6612 1.2A
DC/Stepper Motor Driver
Breakout Board



Adafruit DRV8833
DC/Stepper Motor Driver
Breakout Board

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