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Stepper Motor

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Description

Features

What's Included

Support

The Stepper Motor is no longer in production. Once the current stock is depleted, it will be discontinued.

Please note: this stepper motor is not compatible with the Pmod STEP.

Does your project need a motor with precise positioning, low-speed torque, and accurate speed control? You’re in luck! Already a popular component in our Starter Kit, this 4-phase stepper motor divides its rotation down to 64 discrete steps (5.625° per step) and can operate in either unipolar or bipolar mode. Add in small size, good power consumption, and plenty of online resources, and this motor can open up a whole new range of possibilities for the designer.

What is a stepper motor?

Stepper motors induce rotation using electromagnets arranged concentrically around a gear on the motor’s output shaft. As these electromagnets are also toothed, energizing them in the right combination will attract the gear’s teeth and hold the motor in a specific position. They’re not as good at constant, high-speed rotation, but for precision and accuracy they can’t be beat.

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