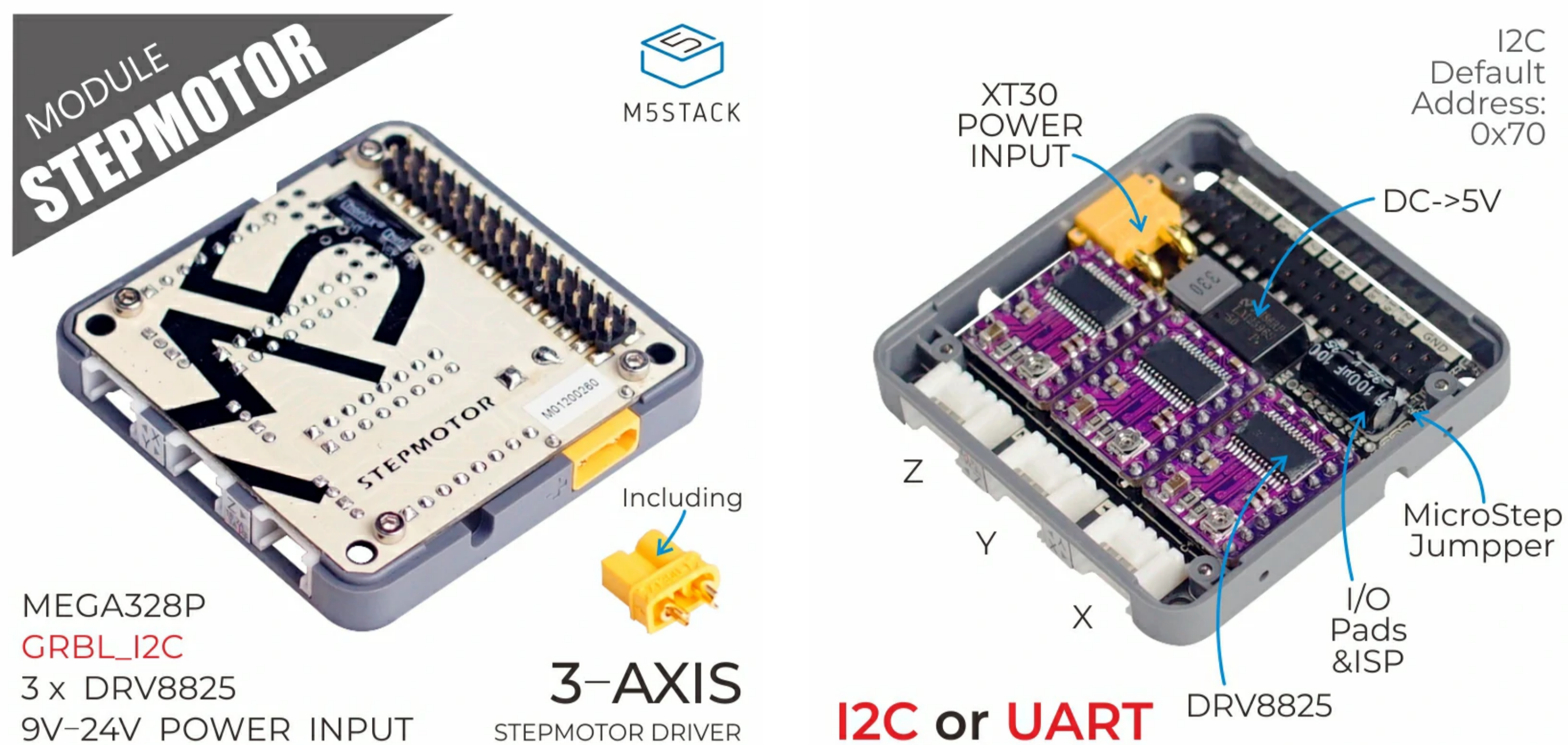


# Module STEPMOTOR

SKU:M012



## Description

**STEPMOTOR** is used for stepper motor control. It is perfect for any motion project as it can drive up to 3 Stepper motors with **GRBL** control. It is built with MEGA328P has been flashed **GRBL** firmware. The module communicates with M5Core via I2C(0x70) Integrated 3 DRV8825, a simple but very powerful board that can control one bipolar stepper motor at the time and allows micro stepping up to 1/32 of a step.

## Product Features

- 9-24V Power Input
- 3-way stepper motors (**X, Y, Z**)

## Include

- 1x Step Motor Module
- 12V Power (Optional)
- 1x 5V FAN Module for heat dissipation (Optional)

## Applications

- DIY 3D Printer
- Simple Robot Arm

## Specification

Motor Interface	HY2.0-4P
Net weight	24g
Gross weight	34g
Product Size	54.2*54.2*12.8mm
Package Size	60*57*17mm

## Related Link

- [The Firmware of inside MEGA328](#)
- [DRV8825 Datasheet](#)

## EasyLoader



[download EasyLoader](#)

1.EasyLoader is a simple and fast program burner. Every product page in EasyLoader provides a product-related case program. It can be burned to the master through simple steps, and a series of function verification can be performed.

2.After downloading the software, double-click to run the application, connect the M5 device to the computer via the data cable, select the port parameters, and click "Burn" to start burning.

3.The CP210X (USB driver) needs to be installed before the EasyLoader is burned. [Click here to view the driver installation tutorial](#)

## PinMap

Mega328 ISPDownload interface Pin foot definition

