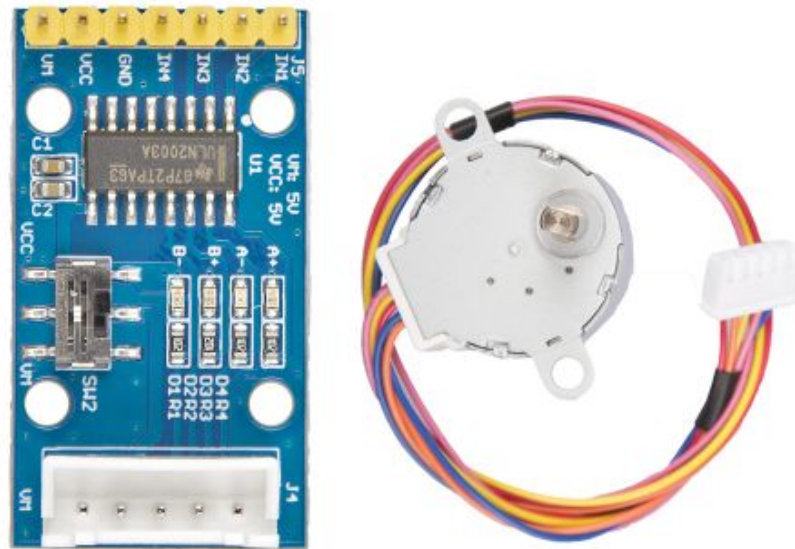


Gear Stepper Motor Driver Pack



seeed studio
The IoT Hardware Enabler



PRODUCT DETAILS

Features

- Four-phase eight-stepping stepper motor
- ULN200x, ULQ200x High-Voltage, High-Current Darlington Transistor Arrays
- Launch from LEDs to desk printers
- Compact size for easy deployment
- Work under the condition of a long-range temperature (- 40°C to 105°C)
- includes both a stepper motor and a motor drive board in the pack

Description

The Gear Stepper Motor Driver Pack includes a stepper motor and a motor drive board. It's a four-phase eight-stepping stepper motor, and you can easily control this stepper motor via the drive board. You can use this pack for position control.

The Stepper Motor Driver in the pack is one of the most classic ones of the whole series and this standard device has proven ubiquity and versatility across a wide range of applications, including solenoids, relays, lamps, small motors, LEDs and etc. What's more, it can operate over a wide temperature range (about - 40°C to 105°C)

We also offer [Stepper Motor Driver board](#) only!

What is a stepper motor driver?

Stepper motor driver is an actuator that converts pulse signals into angular displacement signals. When the stepper motor driver receives the pulse signal, it is able to drive the stepper motor to rotate at an angle called the step angle through the set direction.

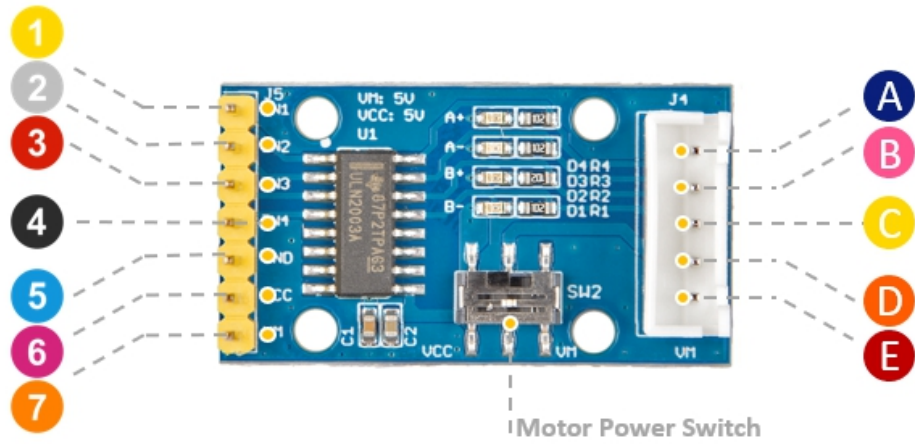
Applications

- Desktop printers
- Plotters

- 3d printers

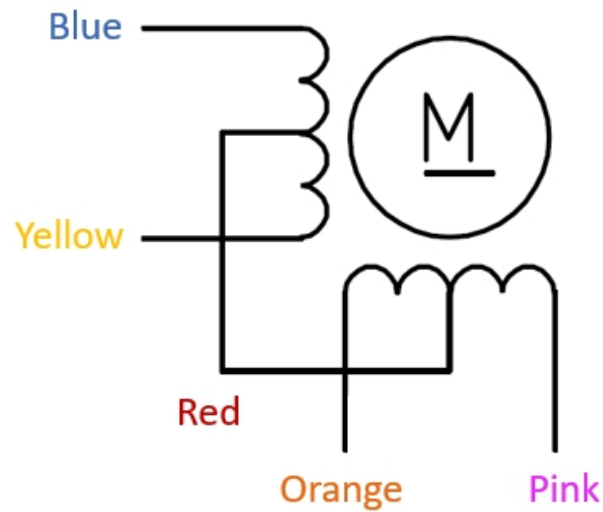
- CNC milling machines

Pin Out

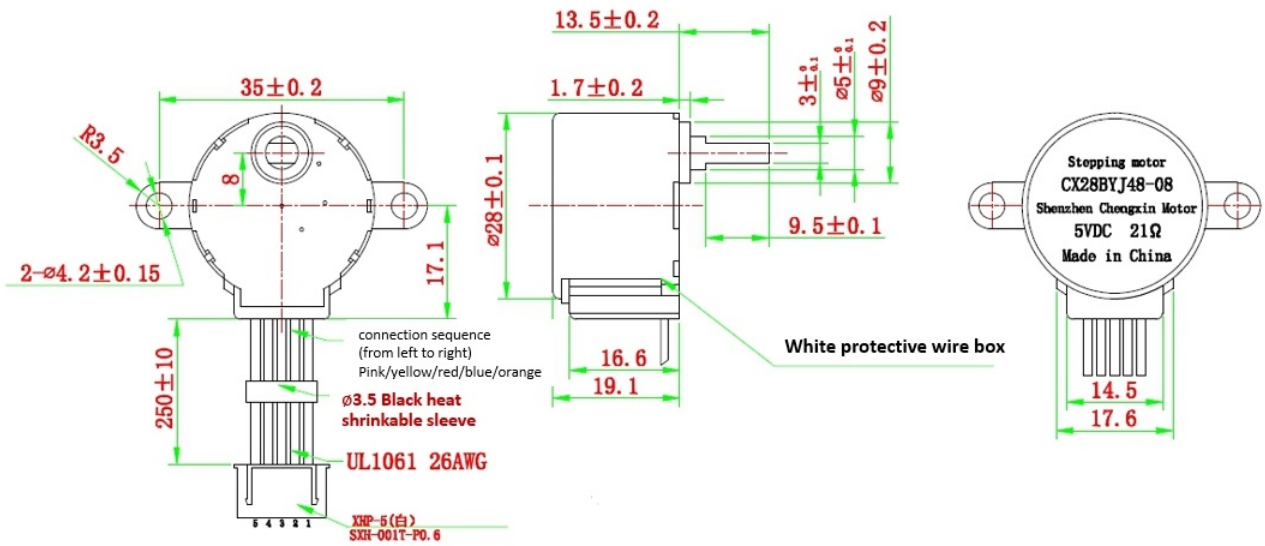


- 1 IN1: input 1 connect to phrase 1
- 2 IN2: input 2 connect to phrase 2
- 3 IN3: input 3 connect to phrase 3
- 4 IN4: input 4 connect to phrase 4
- 5 GND: connect this module to the system GND
- 6 VCC: we use 5v for this module
- 7 VM: optional power for Motor

- A connect D4 to Blue coil
- B connect D3 to Pink coil
- C connect D2 to Yellow coil
- D connect D1 to Orange coil
- E Connect Power switch pin to Red coil



Mechanical drawing



Technical details

Weight G.W 44.8g

Battery Exclude

Part List

Motor Driver Board 1

Stepper Motor with Cable 1

ECCN/HTS

HSCODE 8501101000

USHSCODE 9503000090

UPC 841454121626