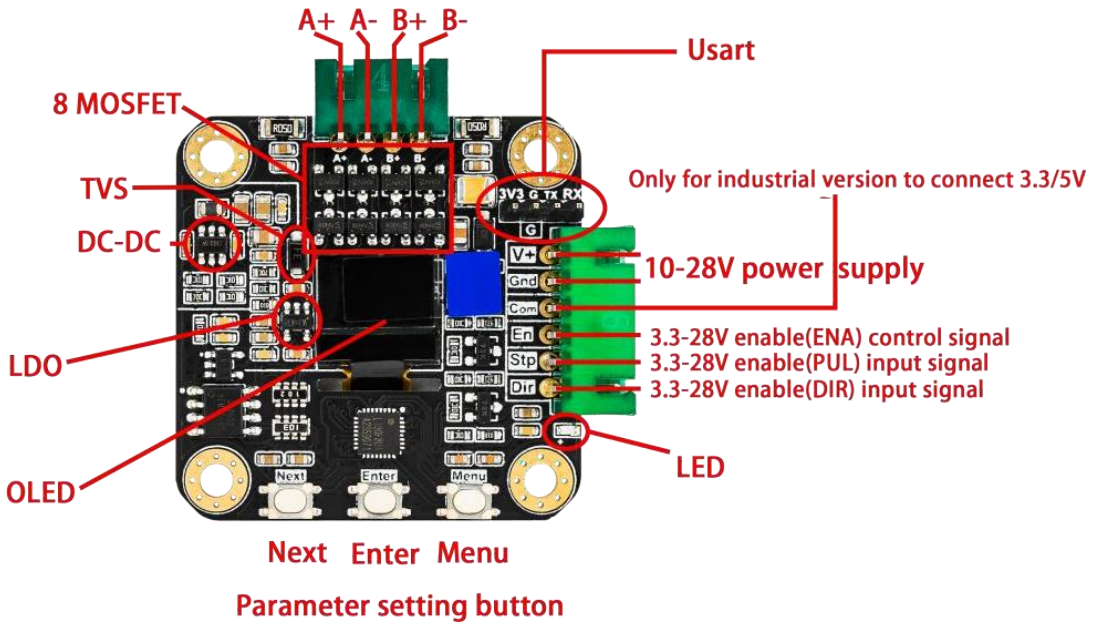
How to Buy: www.aliexpress.com/item/1005003380449974.html

MKS SERVO42C Installation

Part 1 Driver Board Introduction



Features

- Easy to install and wire.
- Supoort FOC vector/position/speed/ torque control.
- Based on 256 microsteps interpolation algorithm, ultra silent ,low vibration and low heat.
- 4 Half bridge driver with 8 MOSFET, high operating efficiency.
- 14bit magnetic encoder, high angle resolution.
- 1-256 any microsteps are available.
- Compatible 0.9 ° or 1.8° Nema17 motors.
- Maximum speed 1000RPM.
- Support original point setting and homing control
- With usart interface， you can connect the computer by serial port ,for parameter adjustment and query.
- Led detects and active blocked protection function.

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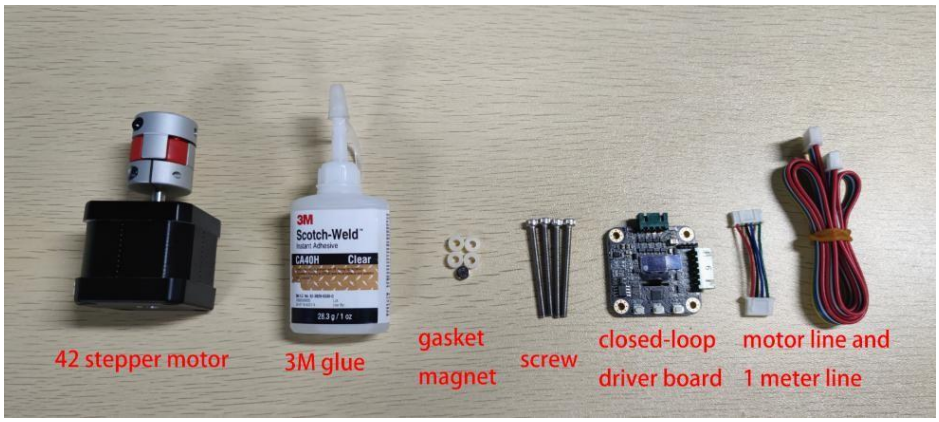
Part 2 Install Motor

Hardware list

MKS SERVO42C PCBA	1
Adapter board (MKS APT)	1
Hexagon socket screw	4
ABS gasket	4
6*2.5 Radial Magnet	1
Allen wrench – M3	1
6pin Data Cable	1
4pin Motor Cable	1
NEMA17 stepper motor	1

As below



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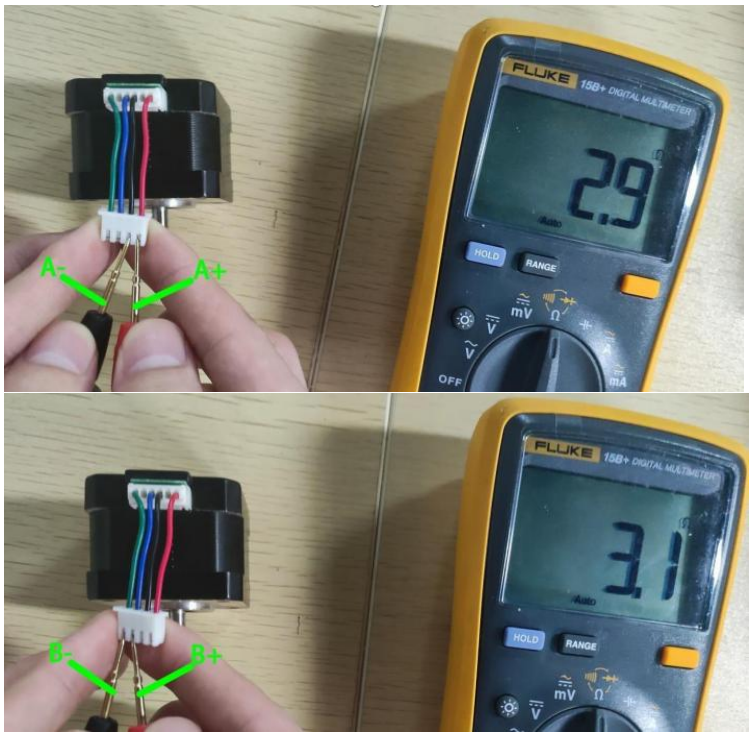
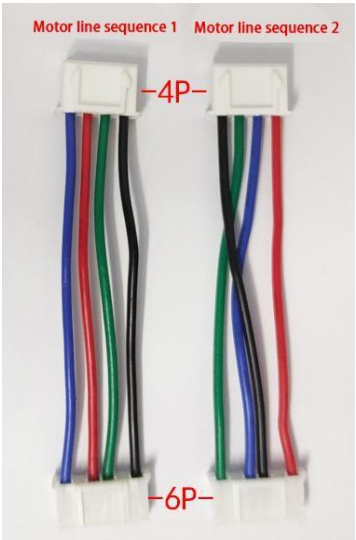
Phase Line

The resistance of the motor phase about 5.0Ω. A (A+/A-),B (B+/B-).



When oled says “Phase Line Error!”,
turn power off and adjust cable wiring sequence to (A+ A-B+ B-).



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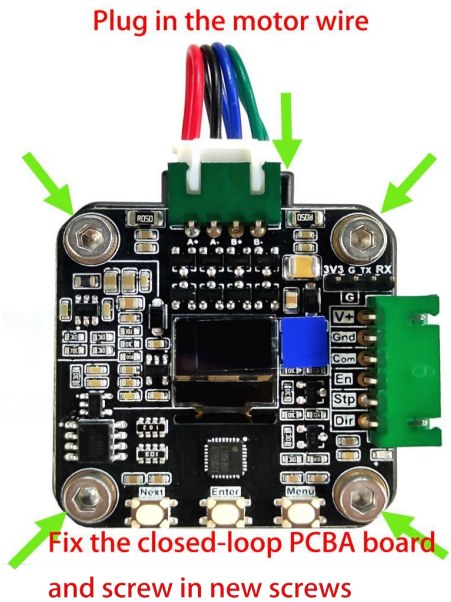
Install motor

Firmly stick magnet to motor shaft middle with 3M glue.

Put the gasket to the screw holes.
Default size 3×7×2mm.

Fix the PCBA board with 40mm screws.
Plug 4pin motor cable.



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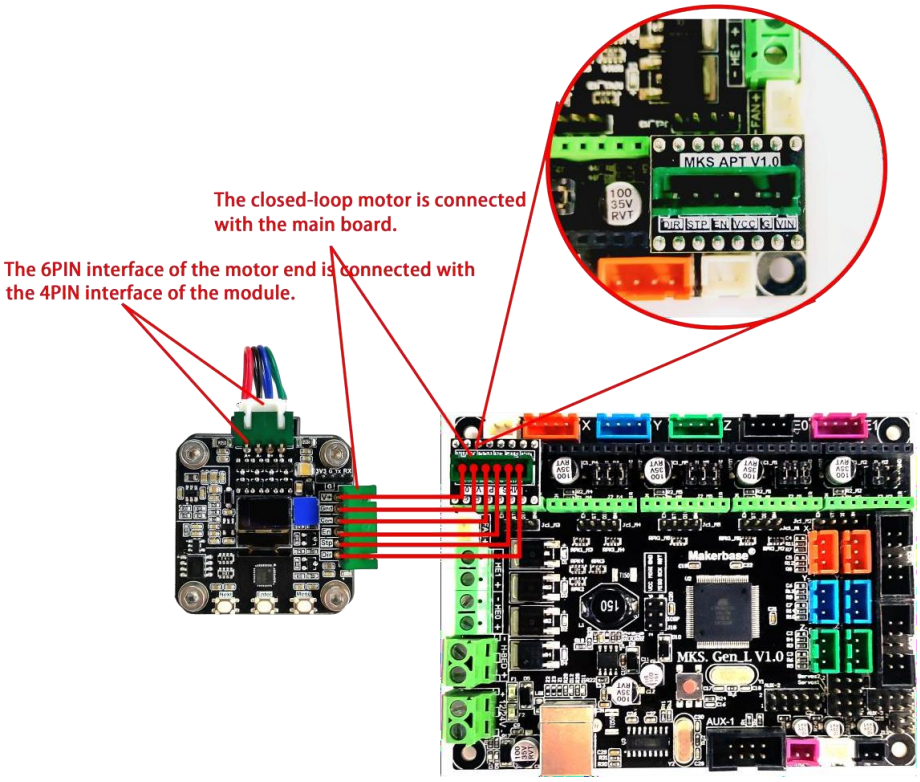
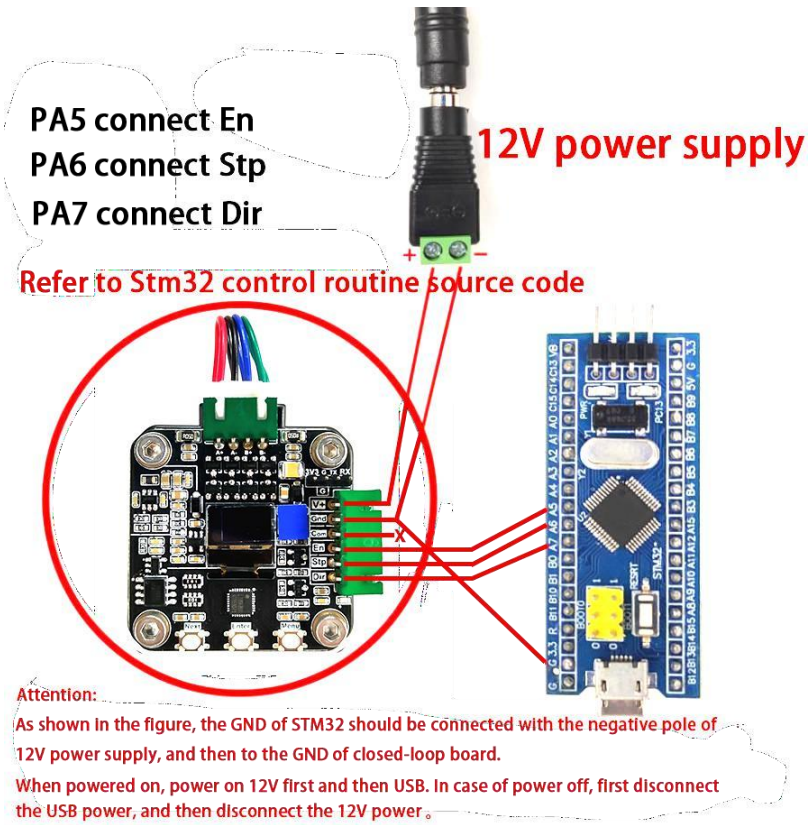
Part 3 Wiring on Control Board

MKS GEN-L



STM32



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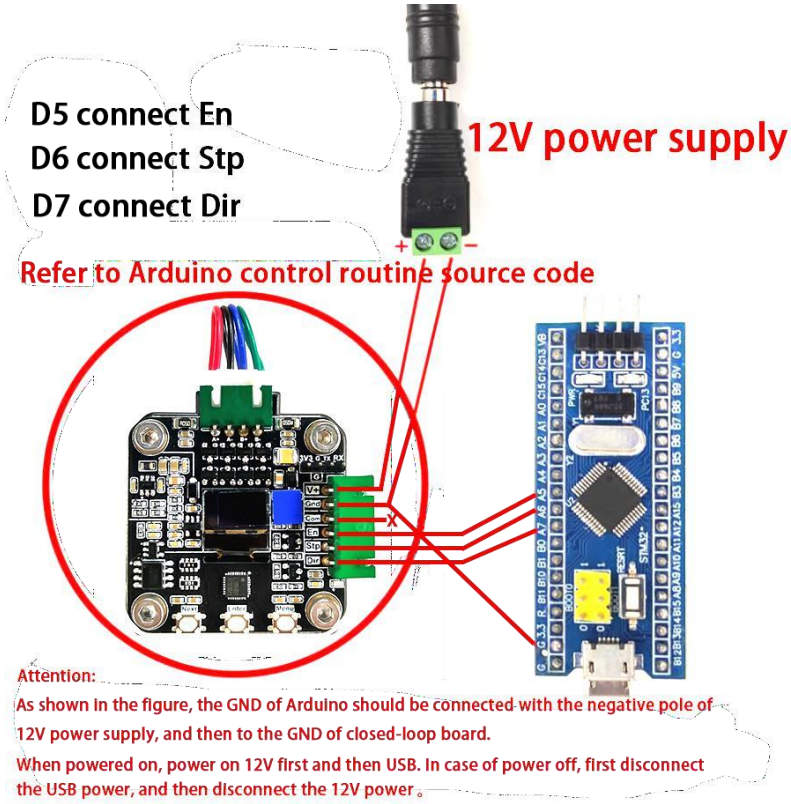
Arduino



PLC