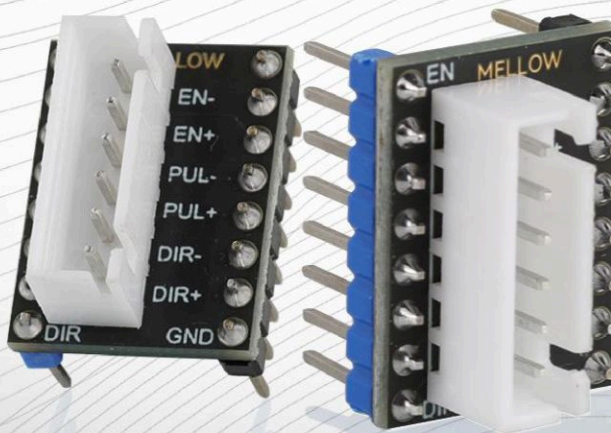


External driver adapter



External driver adapter



The signal used to control the motor of the 3D printer is externally connected
Provides greater current to the stepper motor than the TMC drive

Product profile

Designed for straightforward installation, simplifying your setup process.

Mellow Motor Driver|Mellow Driver|Logic Voltage Range:Supports both 3.3V and 5V logic, ensuring compatibility with various 3D printers.

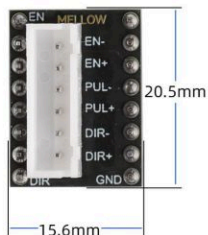
Versatile Compatibility:A universal fit, suitable for various closed-loop and servo motor controls.

Material Quality:Constructed from durable PCB material, designed for long-lasting use.

High-Speed & Large-Format Support:Optimized for high-speed and large-format 3D printing, enhancing performance.

Dimensions

 Size



Weight: 2.6g



Package List



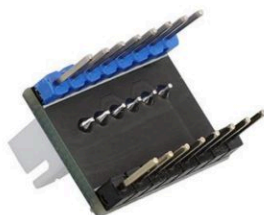
XH2.54-6--1pcs



PHMetal terminal--6pcs

由于主板驱动引脚输出信号不同，
适用的模块也有所不同

Due to the different output signals of the motherboard's
drive pins, the applicable modules also vary.



Basic MOD

适用驱动引脚输出信号为“5V”
如Super, Gemini, E3系列

*Suitable for drive pins with an
output signal of 5V, such as the
Super, Gemini and E3 Series.*



5V MOD

适用驱动引脚输出信号为“3.3V”
如C系列, D系列

*Suitable for drive pins with an
output signal of 3.3V, such as
the C Series and D Series.*

Warning | Safety Information

General Safety & Electrical Risk (Mandatory)

These warnings apply to all users and address the fundamental risks of electric shock and circuit exposure.

- **Core Warning (Power Connection):** WARNING: Risk of electric shock. Do not touch circuitry when power is connected.
- **Core Warning (Enclosure):** WARNING: Do not open the enclosure. Only qualified personnel should perform repairs.
- **High Touch Current (if applicable):** WARNING: High touch current. Ensure proper grounding is established before connecting to the power supply.

High Temperature & Fire Hazard (For boards controlling heaters)

If the motherboard controls heating elements (Hotend, Heatbed), these warnings are critical.

- **Hot Surfaces:** CAUTION: High-temperature surfaces during operation. Allow the printer to cool down completely before touching internal components.
- **Flammable Materials:** CAUTION: Keep flammable materials (e.g., paper, solvents) away from the print area and electronic components to prevent fire.
- **Short Circuit Risk:** WARNING: Incorrect wiring or loose connections may cause a short circuit, leading to fire or component damage.

ESD (Electrostatic Discharge) & Handling

Specifically important for the handling and installation of the PCB itself.

- **ESD Precautions:** CAUTION: Observe Electrostatic Discharge (ESD) precautions during handling and installation. Failure to do so may damage sensitive electronic components.
- **Physical Handling:** CAUTION: Do not drop or subject the board to physical shock. Rough handling may damage the circuitry.

Firmware & Modification Risk

Targeted at advanced users or technicians who might modify the system.

- **Unauthorized Modification:** WARNING: Do not modify the hardware or firmware without proper expertise. Unauthorized modifications may compromise safety and void compliance certifications.
- **Multi-Voltage Systems:** CAUTION: This board supports multiple voltage inputs. Verify input voltage compatibility (e.g., 12V/24V) before connection to prevent immediate damage.