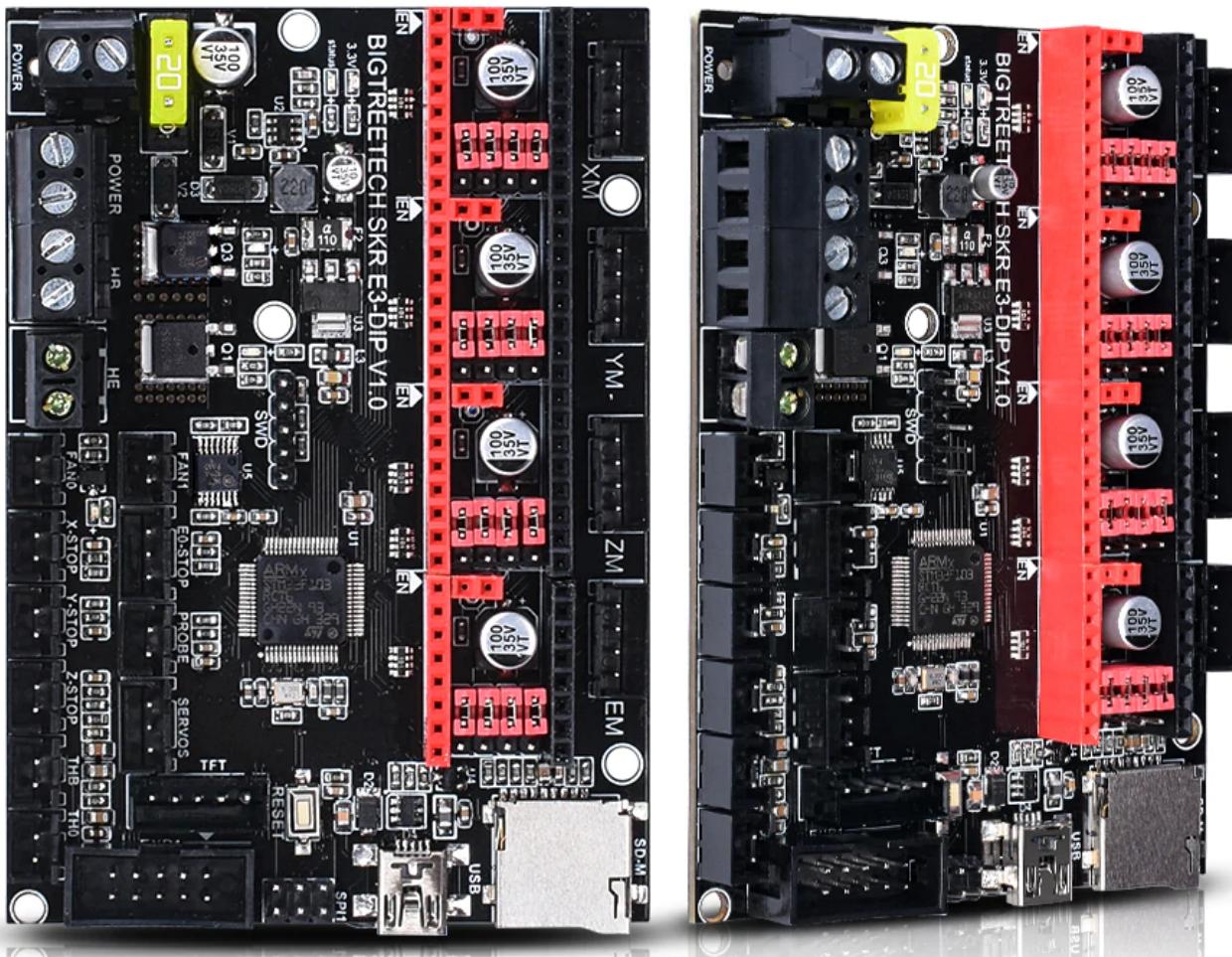


You can check more information about SKR E3 DIP V1.1 on this website:

<https://github.com/bigtreeetech/BIGTREETECH-SKR-E3-DIP-V1.0>

BIGTREETECH SKR E3 DIP V1.1

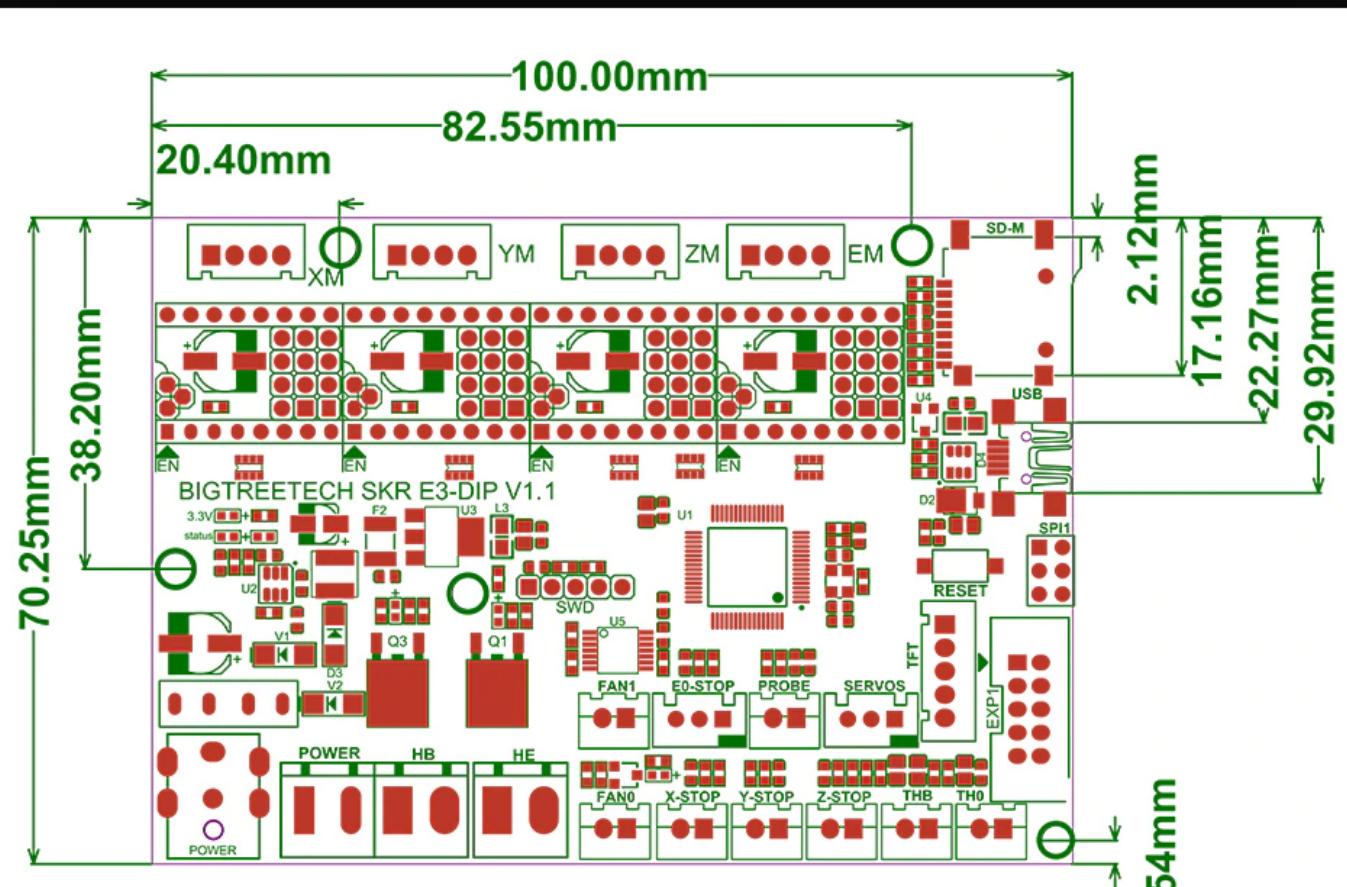
Perfect upgrade of Ender3 machine motherboard



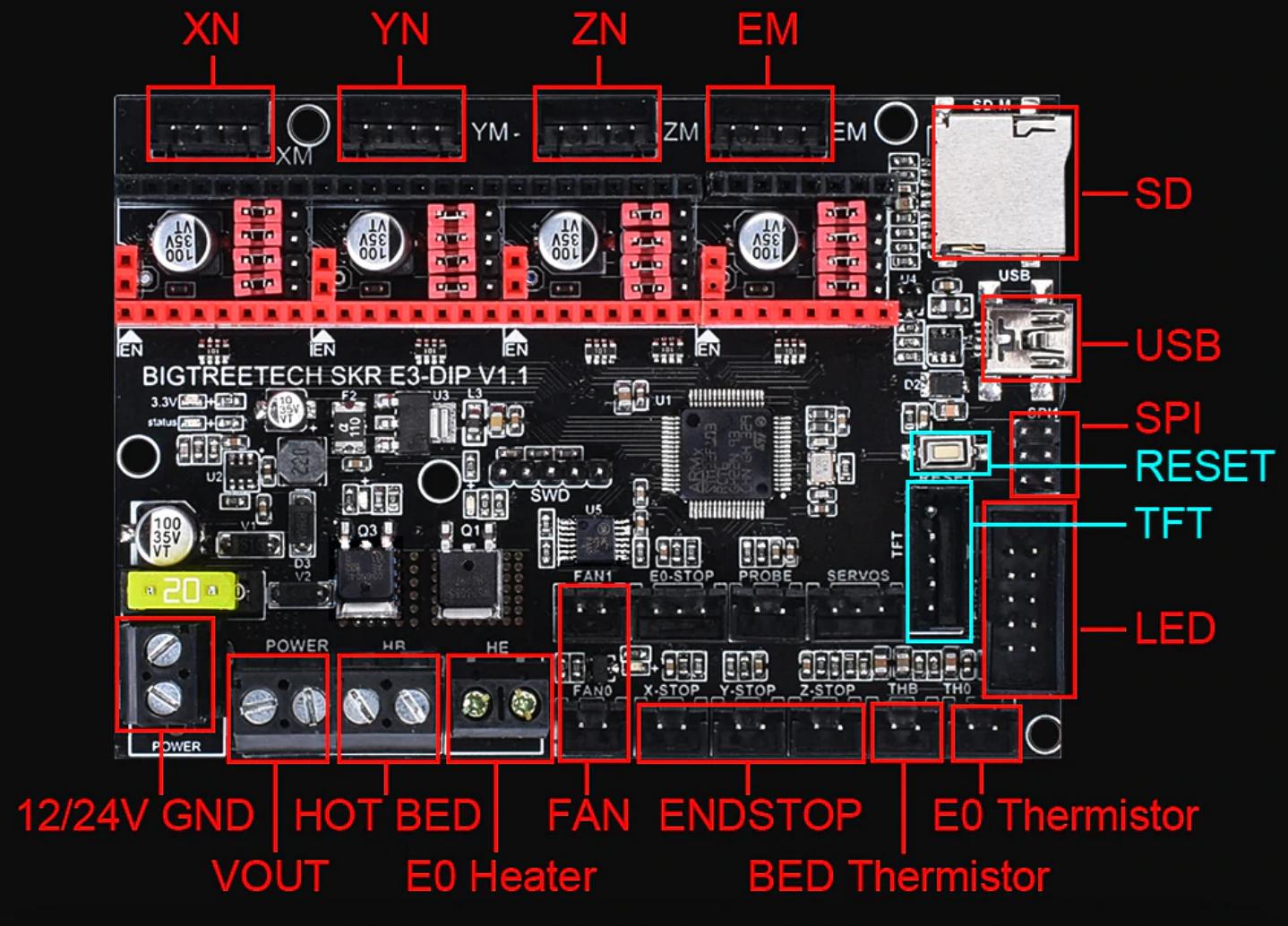
Specification

Appearance size:	100*70.25mm
Microprocessor:	ARM Cortex-M3 CPU
Power Voltage:	12/24V
Installation size:	Perfectly replaces the original Ender 3 motherboard
Motor Driver:	Integration of TMC2130&TMC5160 UART mode
DIAG Extended Port:	Integrate
Display screen:	Support BIGTREETECH TFT2.4 TFT28 TFT35 color touch screen and Ender 3D printer original LCD 12864 screen

Dimensions

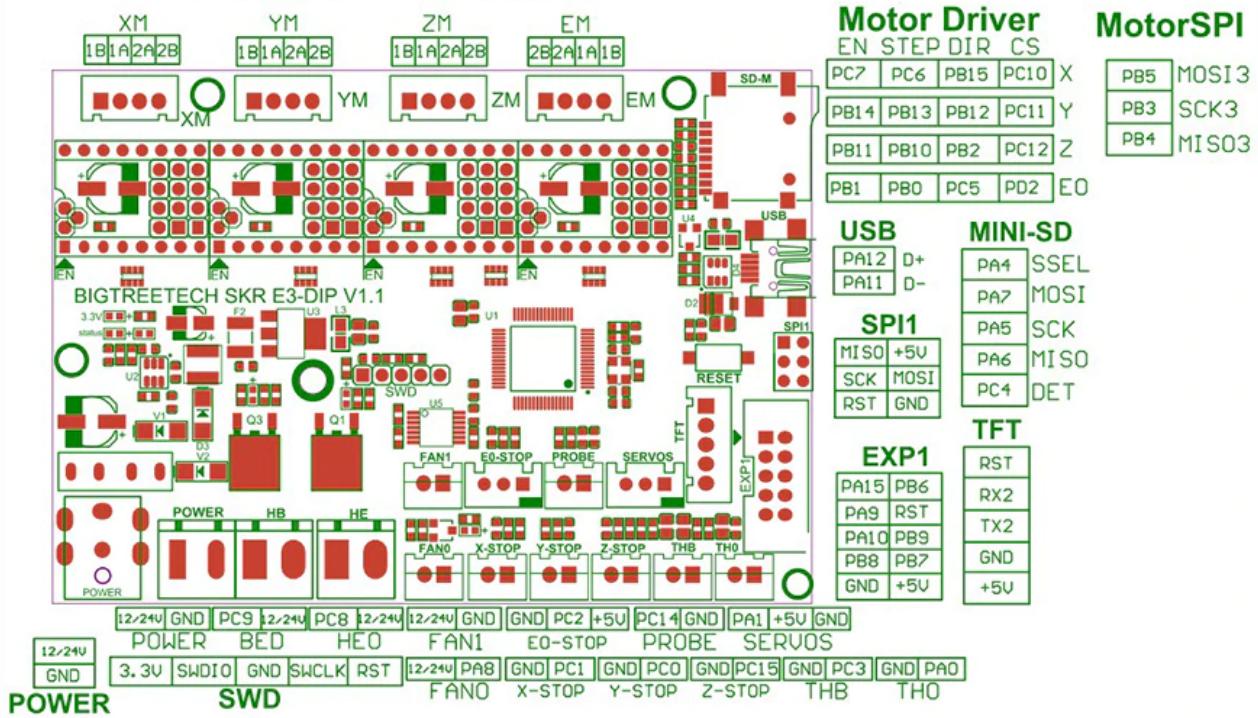


SKR wiring diagram



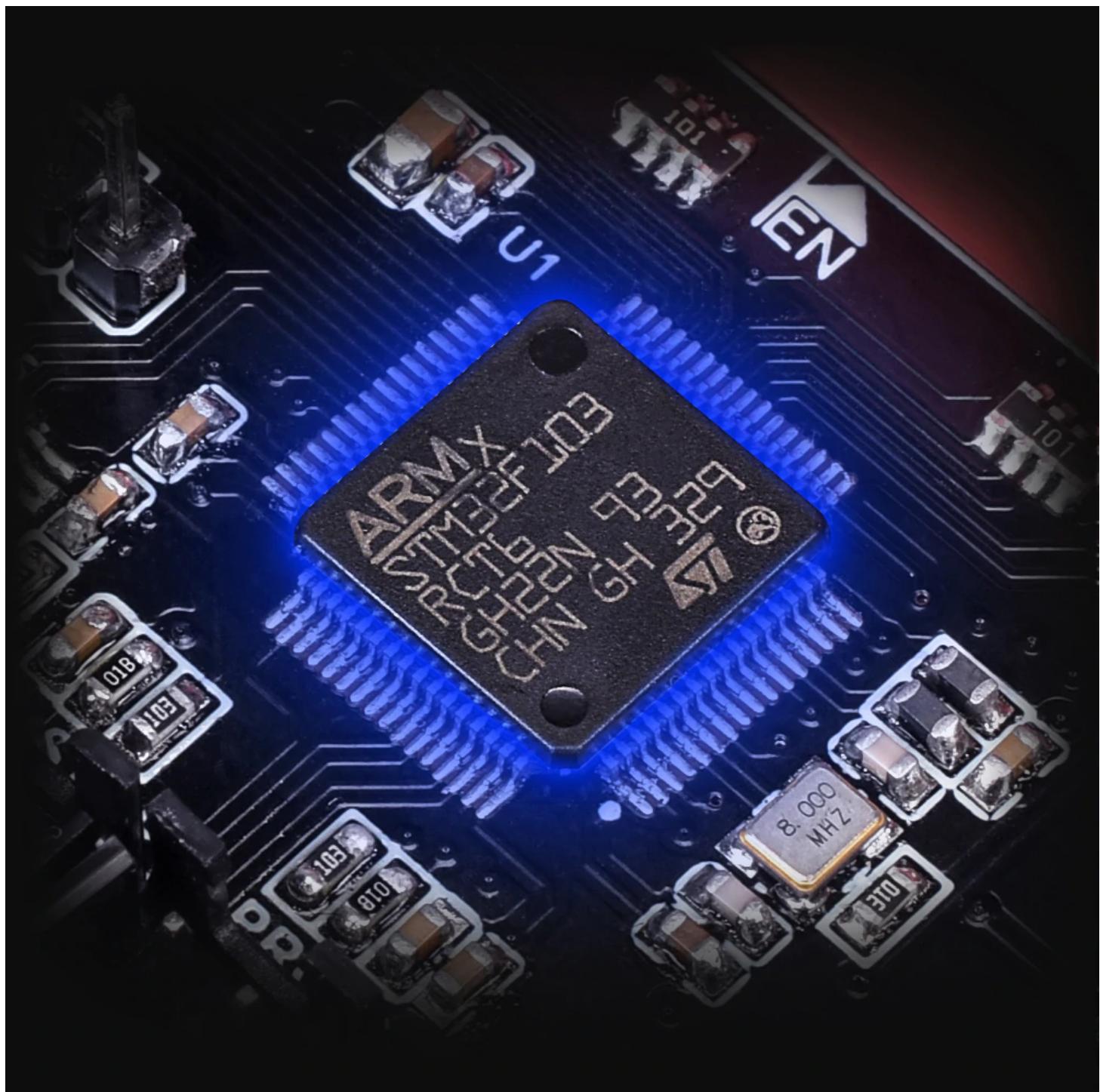
BIGTREETECH SKR-E3-DIP-V1.1-PIN

WWW.BIGTREE-TECH.COM



Main control chip

ARM Cortex-M3 series STM32F103RCT6 chip with 32-bit CPU 72MHz



SKR mini E3 VS SKR E3 DIP

	SKR MINI E3	SKR E3 DIP
Chip	STM32F103RCT6	STM32F103RCT6
Outline dimensional drawing	70.25*100mm	70.25*100mm
Support driver	Integrated TMC2209 UART	A4988,DRV8825,LV8729, ST820,TMC2208,TMC2209, TMC2130,TMC5160
Driver mode	UART (TMC2209)	SPI,UART(TMC2208) STEP/DIR
RGB RGB lamp bar	Support	Not allow
DIAG Extended Port	Reserve	Integrate

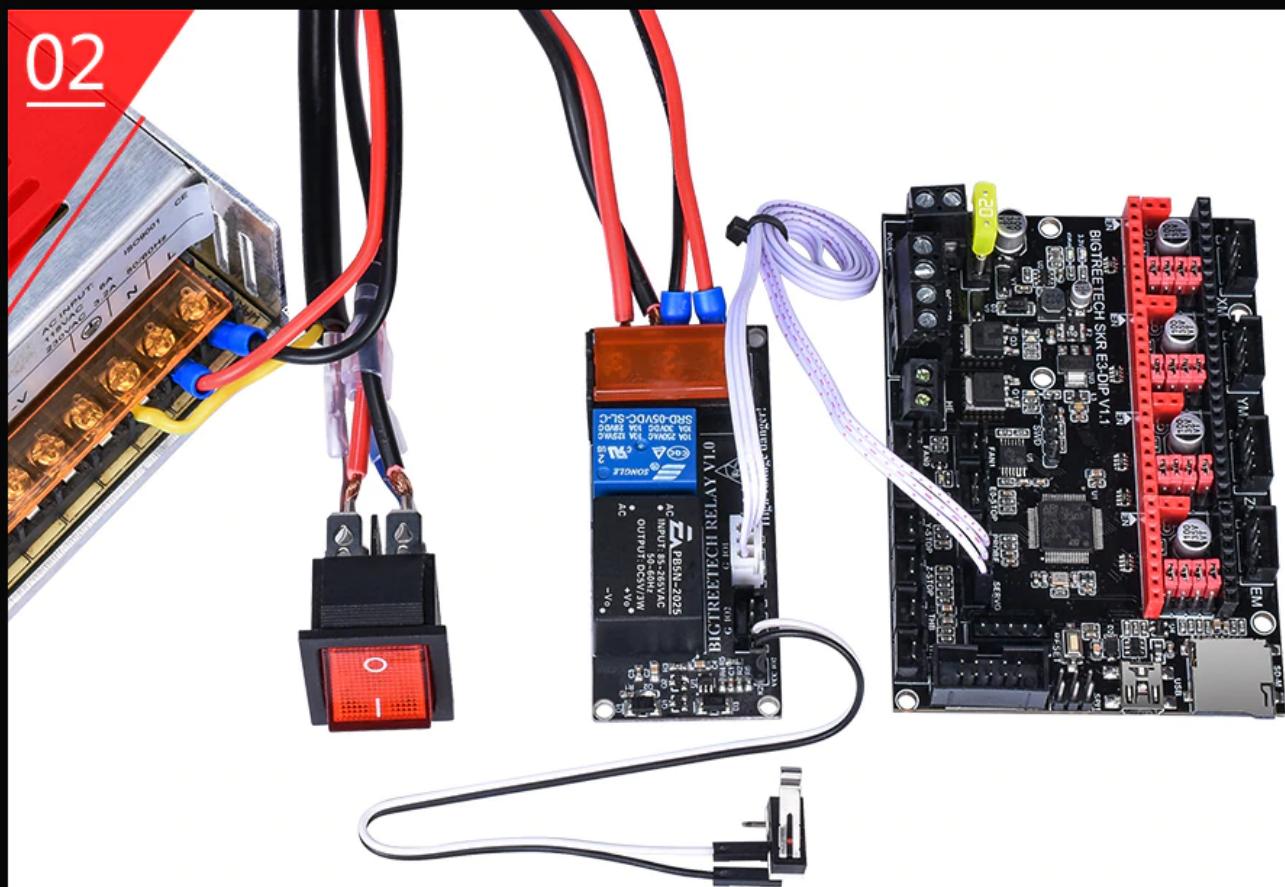
Feature

01



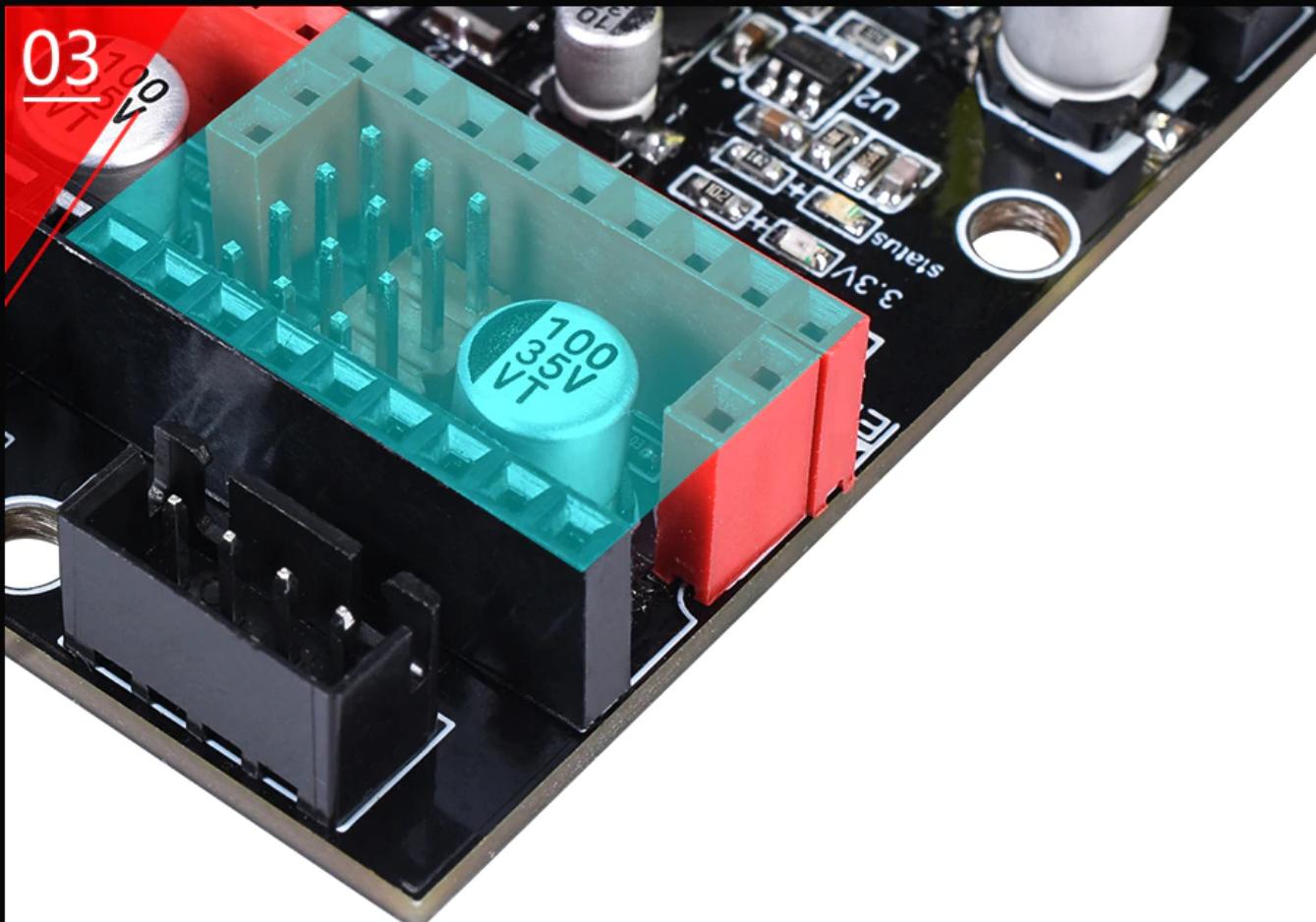
Support BIGTREETECH TFT2.4 TFT28 TFT35 color touch screen and Ender 3D printer original LCD 12864 screen

02



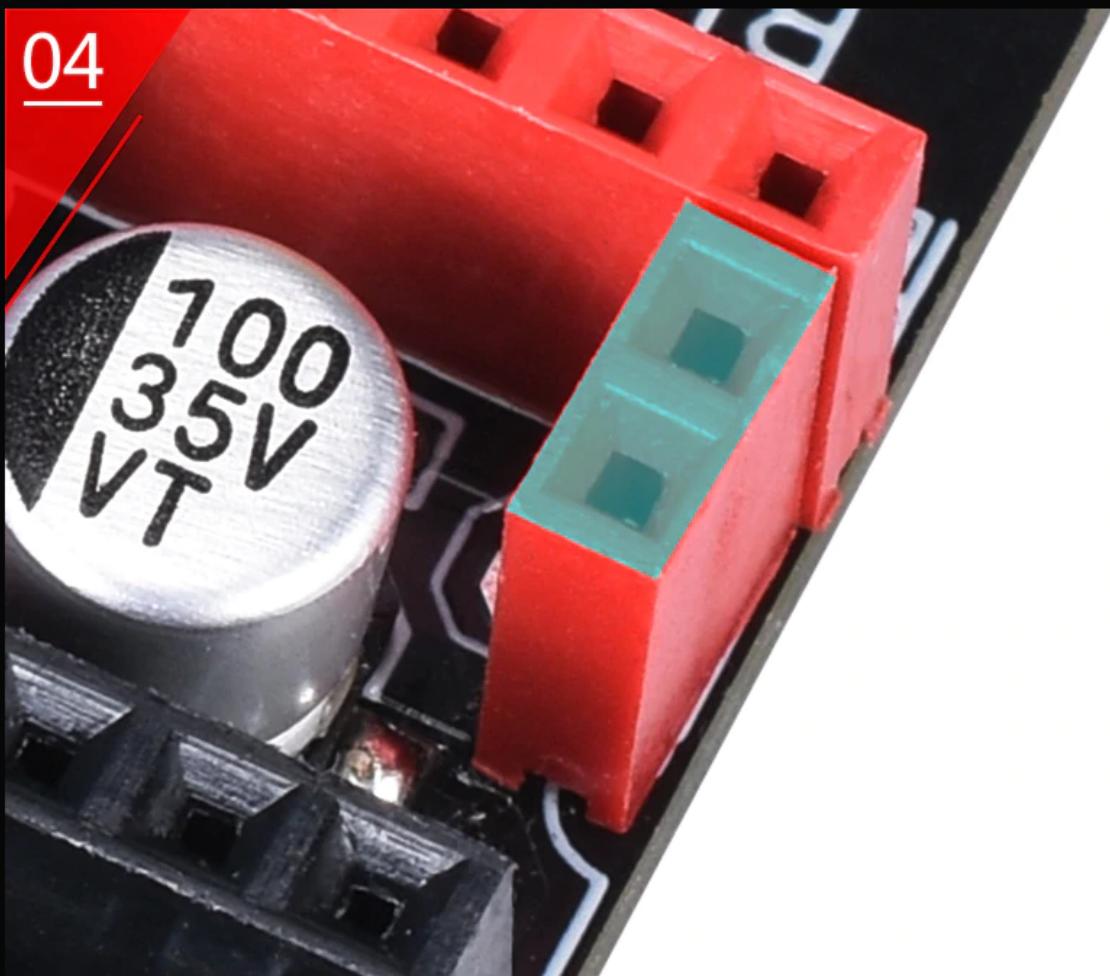
Support the function blocking rotation detection, shutdown
after printing etc.

03



Support A4988,DRV8825,LV8729,ST820,TMC2208,TMC2209,
TMC2130,TMC5160 stepper motor drive.

04



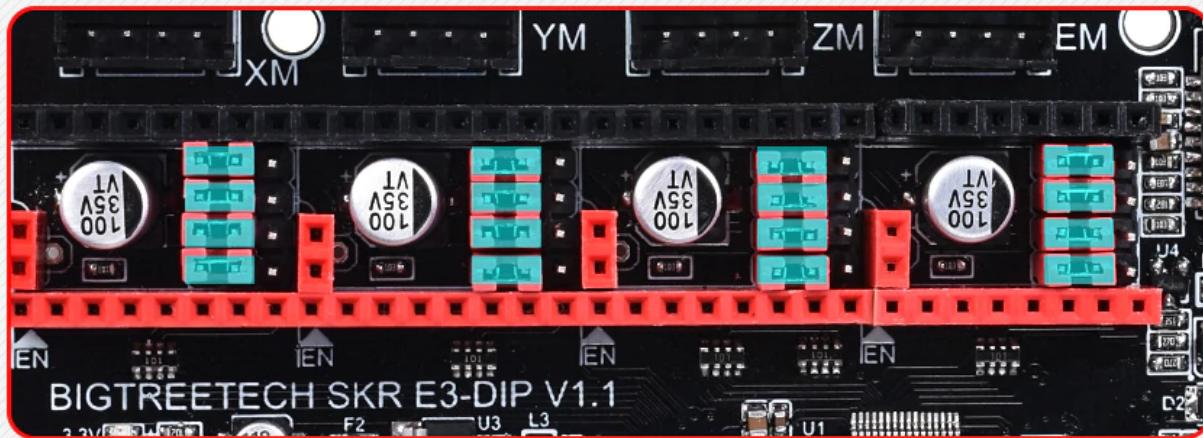
Integration of TMC2130 and TMC5160 SPI mode. DIAG
Extended Port in the Integration SPI Mode, Easy to
Replace Endstop Function.

Kindly Remind

TMC2130 & TMC5160 SPI mode:



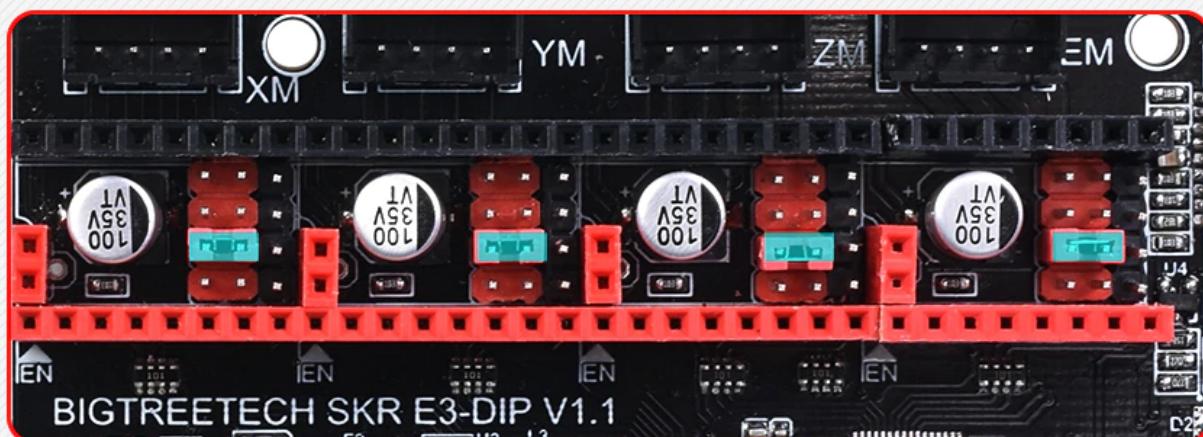
The jumping cap is connected by 4 pins marked respectively



TMC2208 UART mode:



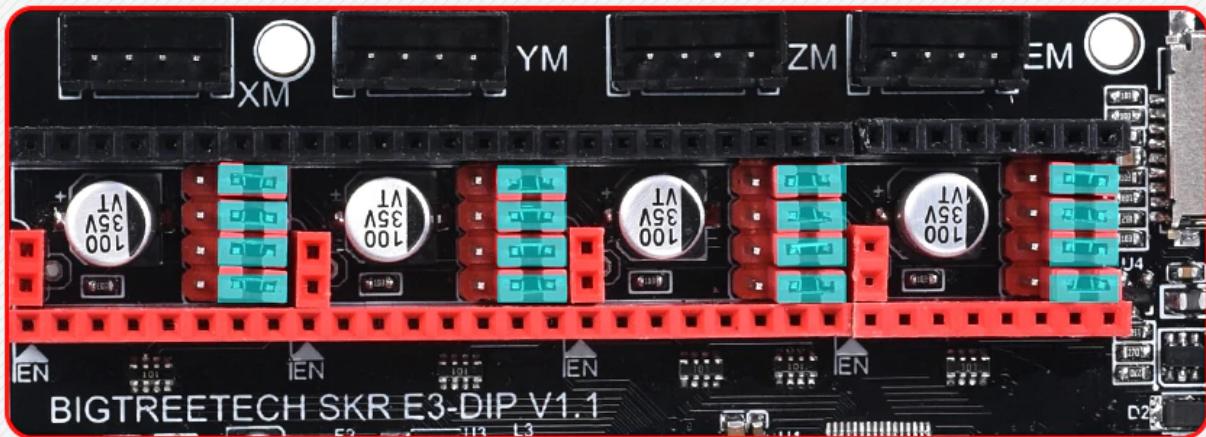
The jumping cap is connected by the pin marked respectively



A4988 STEP/DIR mode:



The jumping cap is connected by the pin((red and black) marked respectively



when using DIY firmware,please pay attention on it

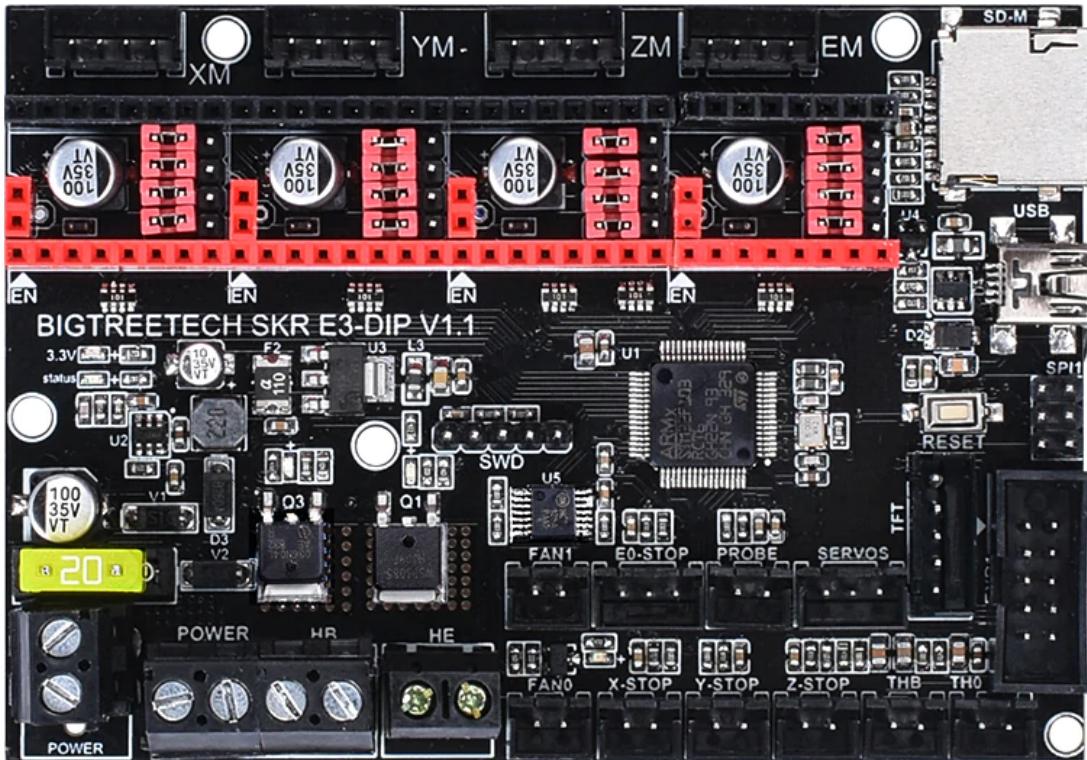


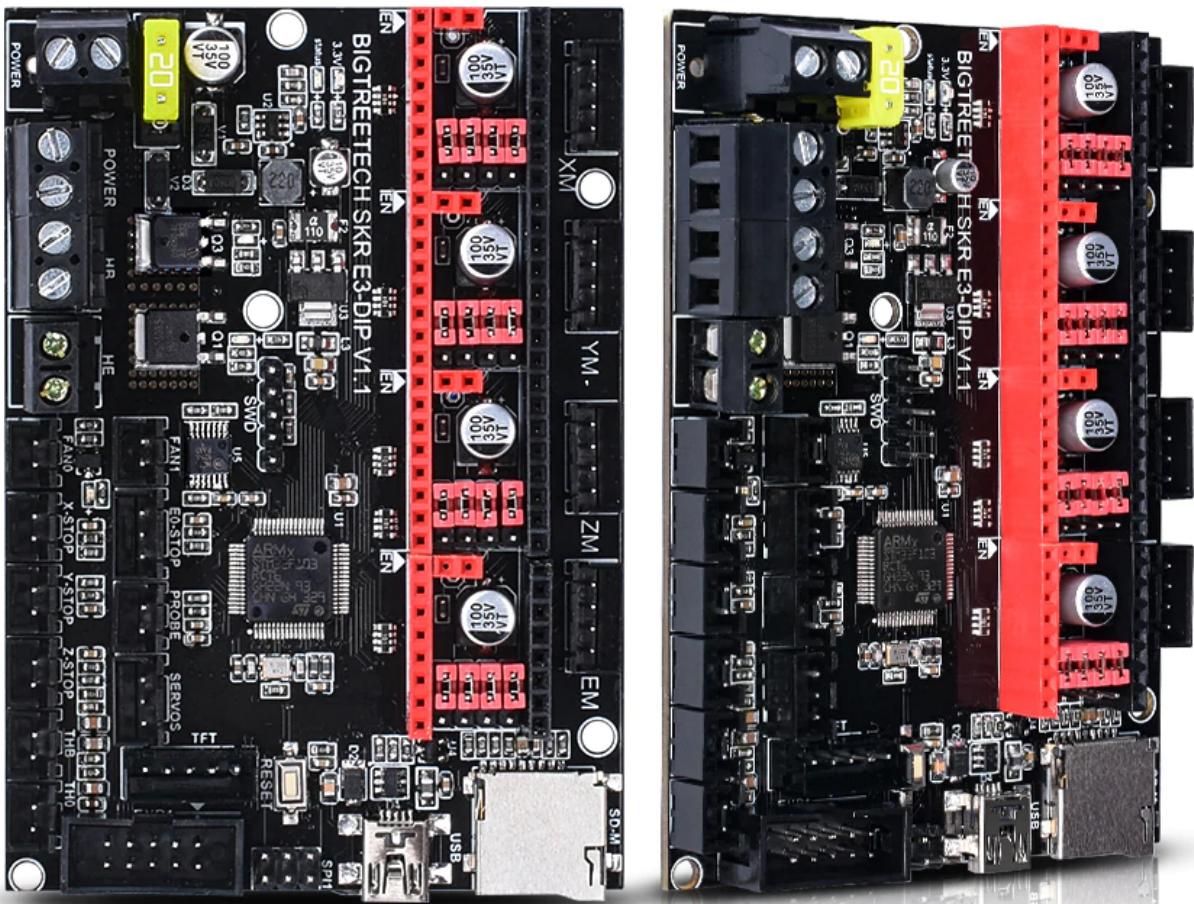
Configuration.h - github - Visual Studio Code [Administrator]

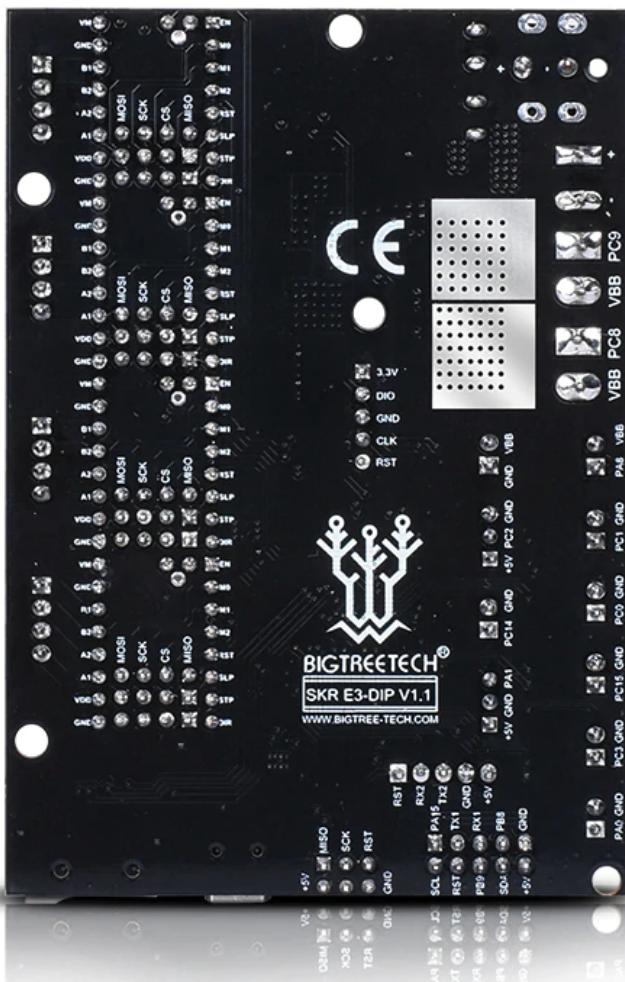
platformio.ini boards.h pins.h Configuration.h Marlin.cpp TMC2208Stepper.cpp

```
Marlin ▾ Configuration.h ▾ ...
1672 // Individual Axis Homing
1673 //
1674 // Add individual axis homing items (Home X, Home Y, and Home Z) to the LCD menu.
1675 //
1676 //#define INDIVIDUAL_AXIS_HOMING_MENU
1677 //
1678 //
1679 // SPEAKER/BUZZER
1680 //
1681 // If you have a speaker that can produce tones, enable it here.
1682 // By default Marlin assumes you have a buzzer with a fixed frequency.
1683 //
1684 //#define SPEAKER
1685 // → this one should be commented out
1686 //
1687 // The duration and frequency for the UI feedback sound.
1688 // Set these to 0 to disable audio feedback in the LCD menus.
1689 //
1690 // Note: Test audio output with the G-Code:
1691 // M300 S<frequency Hz> P<duration ms>
1692 //
1693 //#define LCD_FEEDBACK_FREQUENCY_DURATION_MS 2
1694 //#define LCD_FEEDBACK_FREQUENCY_HZ 5000
1695
```

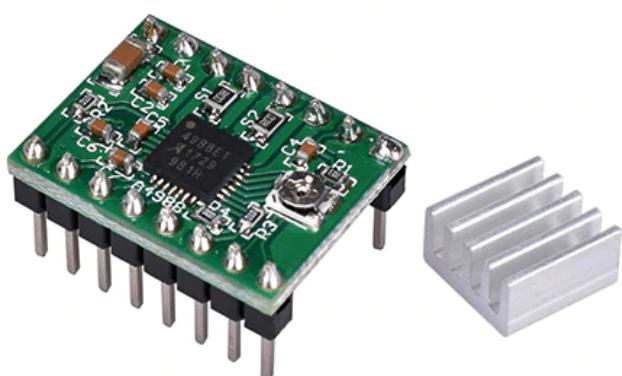
Product Details



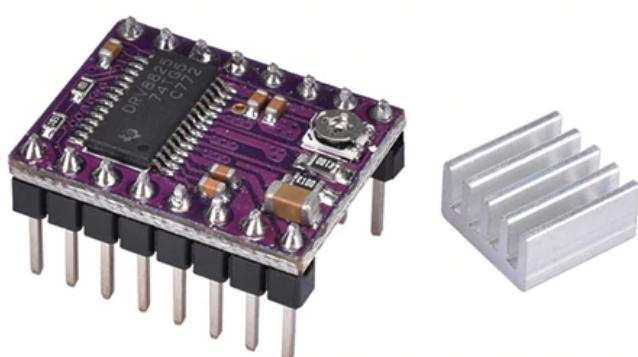




A4988



DRV8825



TMC2208



TMC2130



