



EN	STEP	DIR	
PE4	PE3	PE2	GND
PE1	PE0	PB9	GND
PB8	PB5	PB4	GND
PB3	PD6	PD3	GND
PA3	PA6	PA1	GND

### X-STOP

PA15	GND	5V
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### Y-STOP

PA12	GND	5V
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### Z-

PA11	GND	5V
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### Z+

PC4	GND	5V
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### PW\_DET

PA2	GND	5V
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### MT\_DET1

PA4	GND	5V
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### MT\_DET2

PE6	GND	5V
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### PB2

PB2	GND	5V
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### TC-MAX31855

5V	
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NC	
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SPI2-MISO	
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CS = PE5	
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SPI2-SCK	
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FAN

PB1

HE1

PB0

HE0

PC3

H-BED

PA0

12-24V

GND

POWER

### USB

Use Uart3  
PB10-TX  
PB11-RX

### TF(Use SDIO)

D0	PC8
DET	PD12
D1	PC9
CMD	PD2
SCK	PC12
GND	
D3	PC11
3.3V	
D2	PC10

### WIFI

GND	3.3V
IO15	NC
NC	NC
IO0-PA8	NC
IO1-PC7	NC
NC	WIFI-EN
TX-PA9	NC
RX-PA10	PA5

TH2	TH1	TB
PC2	PC1	PC0

### THM