

## TMC-UART MODE

TX = RX

PD5	X
PD7	Y
PD4	Z
PD9	E

## TMC-SPI MODE

DI SCK CS DO

PD14	PD0	PD5	X
		PD7	Y
		PD4	Z
		PD9	E

## DIAG

Xdiag=X-STOP X

Ydiag=Y-STOP Y

Zdiag=Z-STOP Z

Ediag=E-STOP E

## STEPPER

EN STEP DIR

PE4	PE3	PE2	X
PE1	PE0	PB9	Y
PB8	PB5	PB4	Z
PB3	PD6	PD3	E

## SD CARD

D2	PC10
D3	PC11
CMD	PC2
SCK	PC12
D0	PC8
D1	PC9
DET	PD12

## MKS TFT WIFI

RST	RX	TX	NC
I00	I01	GND	5V
RST = PE9			
RX = PA10			
TX = PA9			
I00 = PC13			
I01 = PC7			

## USB use USART3

TX=PB10,RX=PB11

PE5	PC2	PA2	PB0	GND	3.3V
PE6	PA1	PA3	PE7	GND	5V

E-S			
Neopixel	Servo	Probe	Mt-det

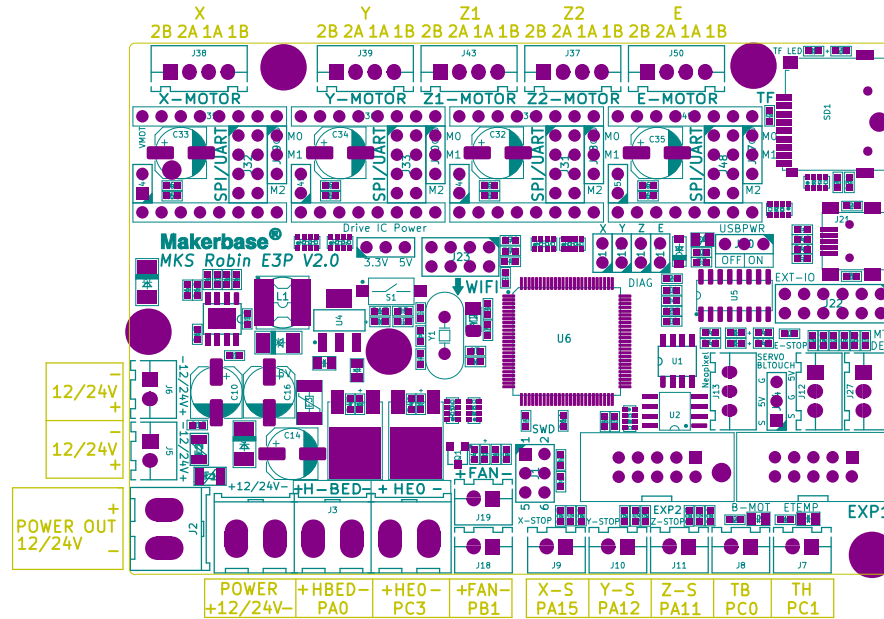
5V	GND	5V	5V
PD8	5V	GND	GND
GND	PA8	PC4	PA4

## EXP2

GND	PE12	PE11	PE8	PA6
3.3V	RST	PA7	PE10	PA5

## EXP1

GND	PD11	PE14	PD13	PC5
5V	PD10	PE15	PC6	PE13

Github : <https://github.com/makerbase-mks>FaceBook : <https://www.facebook.com/Makerbase.mks/>  
Makerbase

Sheet:

File: MKS Robin E3P.kicad\_pcb

Title: MKS Robin E3P

Size: A4

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