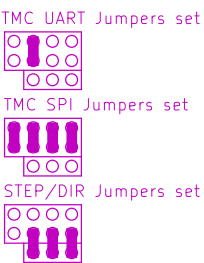


TMC-SPI MODE			
MOSI	SCLK	CS	MISO
PE14	PE12	PE6 PE3 PB7 PB3 PD4 PD0 PD15 PD11	PE13
Driver0:X Driver1:Y Driver2:Z Driver3:E0 Driver4:E1 Driver5:E2 Driver6:E3 Driver7:E4			

TMC-UART	
TX	RX
PE6 PE3 PB7 PB3 PD4 PD0 PD15 PD11	

DRIVE STEPPER		
EN	STEP	DIR
PC15 PC15 PE2 PB6 PD7 PD3 PC8 PB6	PC14 PE5 PE1 PB5 PD6 PD2 PC7 PD13	PC13 PE4 PE0 PB4 PD5 PD1 PC6 PD12
Driver0:X Driver1:Y Driver2:Z Driver3:E0 Driver4:E1 Driver5:E2 Driver6:E3 Driver7:E4		

Driver0:X	Driver1:Y	Driver2:Z1	Driver2:Z2	Driver3:E0	Driver4:E1	Driver5:E2	Driver6:E3	Driver7:E4
1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B	1B 1A 2A 2B



TF CARD

DET: PC4  
CS: PC9  
SCK: PC10  
MISO: PC11  
MOSI: PC12

U DISK

D-: PB14  
D+: PB15

USB

D-: PA11  
D+: PA12

HE2 PA3  
HE1 PB0  
HE0 PB1  
PWR DC12-24V H-BED PB10  
H-BED PB10

DC5V FAN PWR SELECT  
DC12V VIN  
VIN,DC12V,DC5V OUTPUT

DC5V FAN PWR SELECT  
DC12V VIN  
PA0 FAN2 PA1 FAN1 PA2 FAN0

Z+ PWR  
Diag 0 1 2 3 4 5 6 7  
Connect X- Y- Z- Z+ MT- Neo DET pixel NC NC  
X- 5V GND PA14  
Y- 5V GND PA15  
Z- 5V GND PB13  
Z+ 5V GND PB12  
MT DET 5V GND PA13

EXP2  
PA6  
PE9  
PE8  
PB1  
PB11  
PA5  
PA4  
PA7  
RESET  
3V3  
Neopixel  
PC5

EXP1  
PB2  
PE14  
PD9  
PE15  
PD8  
PE7  
PE10  
PD10  
PE7

CAN  
NC CAN\_H NC  
NC CAN\_L NC

TH2  
TH1  
TH0  
TB  
PC0

Github : <https://github.com/makerbase-mks>  
FaceBook : <https://www.facebook.com/Makerbase.mks/>  
**Makerbase**  
Sheet:  
File: MKS Monster8.kicad\_pcb  
**Title: MKS Monster8**  
Size: A4 Date: 2022-03-08  
KiCad E.D.A. kicad (5.1.10)-1  
Rev: V2.0\_003  
Id: 1/1