



TMC-UART MODE			
TX = RX	EN	STEP	DIR
PD5 X	PE4 PE3	PE2 X	
PD7 PD1	PE1 PE0	PB9 Y	
PD4 PD8	PB8 PB5	PB4 Z	
PD9 PD3	PB3 PD6	PD3 E0	
PD8 PD8	E1 PA3	PD15 PA1	E1

TMC-SPI MODE				
MOSI	SCLK	CS	MISO	
PD14	PD0	PD5 PD7 PD4 PD9 PD8	PD1	X Y Z E0 E1
XDIAG X PA15	YDIAG Y PD2	ZDIAG Z- PC8	E0DIAG Z+ PC4	E1DIAG E1- PE7

X PA15 GND 5V
Y PD2 GND 5V
Z- PC8 GND 5V
Z+ PC4 GND 5V
PW_DET PA13 GND 5V
MT_DET1 PA4 GND 5V
MT_DET2 PE6 GND 5V
PW_OFF PB2 GND 5V

EXP1	
PC5 PD13	PE13 PC6
PE14 PD11	PE15 PD10
GND	5V
EXP2	
PA6 PE8	PA5 PE10
PE11 PE12	PA7 RESET
GND	3V3
BLTOUCH	
PA8	
5V	
GND	

USB		USB DISK		TF CARD		WIFI				
D+ PA12		DM PB14		CS PC9		GND	3V3	TH1	TH2	TB
D- PA11		DP PB15		SCK PC10		CS-PC15	MOSI-PC3	PC1	PA2	PC0
				MISO PC11		NC	MISO-PC2			
				MOSI PC12		I00-PC13	SCK-PB13			
				DET PD12		I01-PC7	NC			
						NC	EN			
						TX1-PA9	NC			
						RX1-PA10	RST-PE9			

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

Sheet:  
File: MKS Robin Nano V3.kicad\_pcb

Title: MKS Robin Nano

Size: A4	Date: 2020-12-31	Rev: V3.0_002
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/1