



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

TMC-SPI MODE							
MOSI	SCLK	CS	MISO				
PD14	PD0	PD5	PD1	X			
		PD7		Y			
		PD4		Z			
		PD9		E0			
		PD8		E1			
XDIAG	YDIAG	ZDIAG	E0DIAG	E1DIAG			
X	Y	Z-	Z+	E1-			
PD15	PD2	PC8	PC4	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	PC6	PE13
PE14	PD11	PD10	5V
GND			

EXP2			
PA6	PE8	PA5	PE10
PE11	PE12	PA7	RESET
GND			3V3

BLTOUCH			
PA8	5V		
GND			

USB		USB DISK	
D+	PA12	DM	PB14
D-	PA11	DP	PB15

TF CARD	
CS	PC9
SCK	PC10
MISO	PC11
MOSI	PC12
DET	PD12

WIFI	
GND	3V3
CS-PC15	MOSI-PC3
NC	MISO-PC2
I00-PC13	SCK-PB13
I01-PC7	NC
NC	EN
TX1-PA9	NC
RX1-PA10	RST-PE9

TH2	TH1	TB
PA2	PC1	PC0

Sheet:		
File: MKS Robin Nano V3.kicad_pcb		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/1