



TMC-UART MODE			
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 PD7 PD4 PD9 PD8	PD1	X Y Z E0 E1
XDIAG X	YDIAG Y	ZDIAG Z-	E0DIAG Z+	E1DIAG E1-
PA15	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	PE13
PD13	PC6
PE14	PE15
PD11	PD10
GND	5V
EXP2	
PA6	PA5
PE8	PE10
PE11	PA7
PE12	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:
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