



EN	STEP	DIR	
PE4	PE3	PE2	GND
PE1	PE0	PB9	GND
PB8	PB5	PB4	GND
PB3	PD6	PD3	GND
PA3	PA6	PA1	GND
PF0	PF2	PF1	GND

TMC2130-SPI					
MOSI	SCLK	CS	MISO		
		PF8			
		PF3			
		PG15			
		PG10			
		PG9			

TMC2208-UART					
		TX	RX		
		PF7	PF8		
		PF4	PF3		
		PG13	PG15		
		PG12	PG10		
		PC13	PG9		

XDIAG	YDIAG	ZDIAG	E0DIAG	E1DIAG	E2DIAG
X- PA15	Y- PA12	Z- PA11	X+ PG7	Y+ PG8	Z+ PC4

PW_DET		X-
PA2	GND	5V
PA15	GND	5V

PW_OFF		X+
PG11	GND	5V
PG7	GND	5V

MT_DET1		Y-
PA4	GND	5V
PA12	GND	5V

MT_DET2		Y+
PE6	GND	5V
PG8	GND	5V

MT_DET3		Z-
PG14	GND	5V
PA11	GND	5V

BLTOUCH		Z+
PA8		
5V		
GND		
PC4	GND	5V

EXP1					
PC5	PG2	PB14	PB13	TH3	TH2
PG0	PG1	PG5	PG6	PC3	PC2
PF14	PF15	PG4	PB15	PC1	PC0
PF12	PF13	PG3	RST		
GND	5V	GND	NC		

EXP2					

THM					
TH3	TH2	TH1	TB		
PC3	PC2	PC1	PC0		

TC					
SCK	PE5	DO	GND	NC	5V
PB13	PF11	PB14	GND	NC	5V