



EN STEP DIR							
PE4	PE3	PE2	GND	X			
PE1	PE0	PB9	GND	Y			
PB8	PB5	PB4	GND	Z			
PB3	PD6	PD3	GND	E0			
PA3	PA6	PA1	GND	E1			
PF0	PF2	PF1	GND	E2			

TMC2130-SPI				TMC2208-UART			
MOSI	SCLK	CS	MISO	TX	RX		
PB15	PB13	PF8	PB14	X	PF7	PF8	X
		PF3		Y	PF4	PF3	Y
		PF6		Z	PF5	PF6	Z
		PG15		E0	PG13	PG15	E0
		PG10		E1	PG12	PG10	E1
		PG9		E2	PC13	PG9	E2

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			PC4	GND	5V
5V					
GND					

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

EXP1				EXP2			
PC5	PG2	PB14	PB13	TH3	TH2	TH1	TB
PG0	PG1	PG5	PG6	PC3	PC2	PC1	PC0
PF14	PF15	PG4	PB15	THM			
PF12	PF13	PG3	RST				
GND	5V	GND	NC				