3.3V					
RST	M3	M2	M1		
SLP	GND				
X	X-SPI				
UART	MISO	CS	SCK	MOSI	

3.3V					
RST	M3	M2	M1		
SLP	GND				
Y	Y-SPI				
UART	MISO	CS	SCK	MOSI	

3.3V					
RST	M3	M2	M1		
SLP	GND				
Z	Z-SPI				
UART	MISO	CS	SCK	MOSI	

3.3V					
RST	M3	M2	M1		
SLP	GND				
E0	E0-SPI				
UART	MISO	CS	SCK	MOSI	

3.3V					
RST	M3	M2	M1		
SLP	GND				
E1	E1-SPI				
UART	MISO	CS	SCK	MOSI	

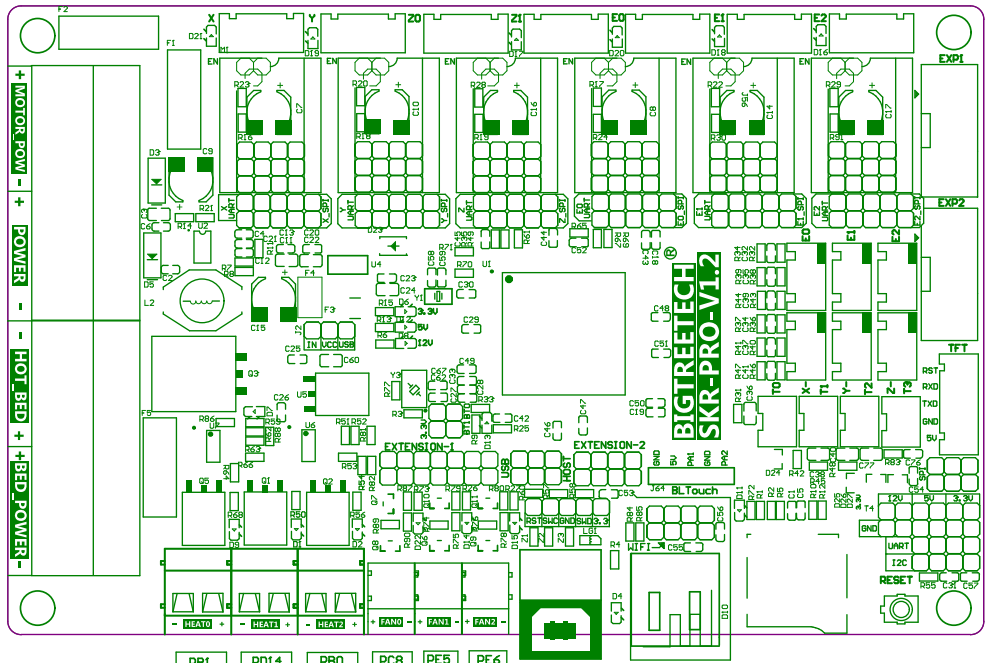
3.3V					
RST	M3	M2	M1		
SLP	GND				
E2	E2-SPI				
UART	MISO	CS	SCK	MOSI	

MOTOR POWER	12/24V	
	GND	

POWER	12/24V	
	GND	

BED	PD12

BED POWER	12/24V	
	GND	



PB1	PD14	PB0	PC8	PE5	PE6
HEAT0	HEAT1	HEAT2	FAN0	FAN1	FAN2

EXTENSION-2

GND	PD0	PD2	PD5
5V	PE4	PE2	PE0

EXTENSION-1

GND	PC9	PF9	PC4	PG11	PG14	PC1
5V	PF8	PF10	PC5	PG13	PD3	PF7

ICSP

RST	SWC	GND	SWD	3.3V

BLTouch

5V	PA1	GND	PA2

WIFI

3.3V	PG0	PG1	PC7
PC6	PF14	PF15	GND

UART

	RX	TX
X	PC13	PE4
Y	PE3	PE2
Z	PE1	PE0
E0	PD4	PD2
E1	PD1	PD0
E2	PD6	PD5

	EN	STEP	DIR
X	PF2	PE9	PF1
Y	PD7	PE11	PE8
Z	PC0	PE13	PC2
E0	PC3	PE14	PA0
E1	PA3	PD15	PE7
E2	PF0	PD13	PG9

SPI

X-CS	Y-CS	Z-CS	E0-CS	E1-CS	E2-CS
PA15	PB8	PB9	PB3	PG15	PG12
MISO	PC11				
MOSI	PC12				
SCK	PC10				

stallGuard

X-DIAG1	Y-DIAG1	Z-DIAG1	E0-DIAG1	E1-DIAG1	E2-DIAG1
PB10	PE12	PG8	PE15	PE10	PG5

E0	E1	E2			
3.3V	3.3V	3.3V	PG4	PA8	
GND	GND	GND	PD11	PD10	
PE15	PE10	PG5	PG2	PG3	EXP1
			PG6	PG7	
			GND	5V	
3.3V	3.3V	3.3V	PB14	PB13	
GND	GND	GND	PG10	PB12	
PB10	PE12	PG8	PF11	PB15	EXP2
			PF12	RST	
			GND	PF13	
X-	Y-	Z-			

RST				
RXI				
TXI	TFT			
GND				
5V				

	T0	T1	T2	T3
	PF3	PF4	PF5	PF6
	GND	GND	GND	GND

SPI	SCK/PC10	MISO/PC11	5V	
	CS/PA15	MOSI/PC12	GND	
UART	RX3/PD9	TX3/PD8	GND	3.3V
I2C	SDA/PB7	SCL/PB6	GND	3.3V