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

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

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

SPI

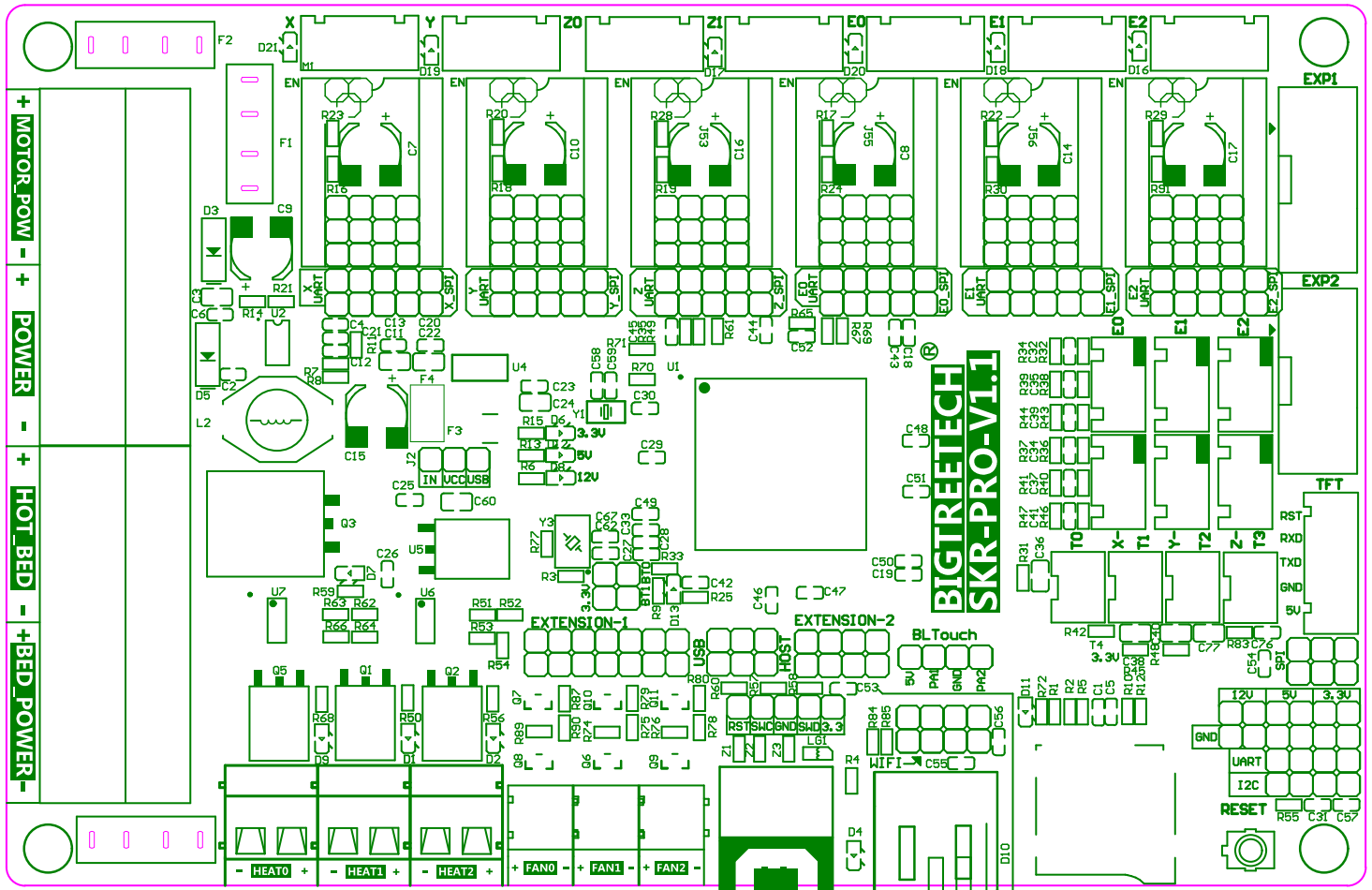
stallGuard					
X-DIAG1	Y-DIAG1	Z-DIAG1	E0-DIAG1	E1-DIAG1	E2-DIAG1
PB10	PE12	PG8	PE15	PE10	PG5

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

EXP1				
	PG4	PA8		
	PD11	PD10		
	PG2	PG3		
	PG6	PG7		
	GND	5V		
E0	E1	E2		
3.3V	3.3V	3.3V		
GND	GND	GND		
PE15	PE10	PG5		

EXP2				
	PB14	PB13		
	PG10	PB12		
	PF11	PB15		
	PF12	RST		
	GND	PF13		
3.3V	3.3V	3.3V		
GND	GND	GND		
PB10	PE12	PG8		
X-	Y-	Z-		

TFT				
RST				
RX1				
TX1				
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