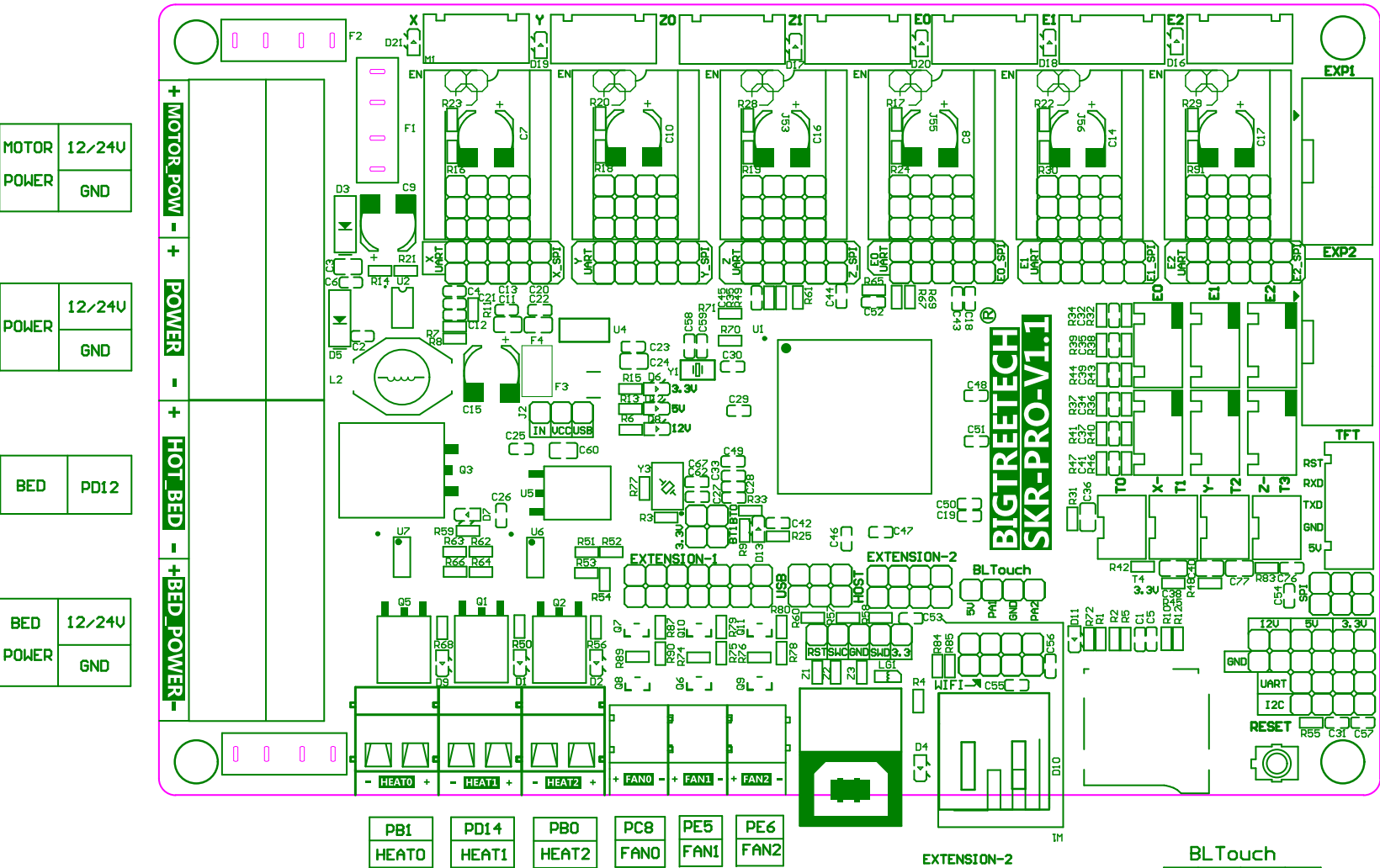


3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
RST M3 M2 M1	RST M3 M2 M1	RST M3 M2 M1	RST M3 M2 M1	RST M3 M2 M1	RST M3 M2 M1
SLP GND	SLP GND	SLP GND	SLP GND	SLP GND	SLP GND
Y Y-SPI	Y Y-SPI	Z Z-SPI	E0 E0-SPI	E1 E1-SPI	E2 E2-SPI
UART MISO CS SCK MOSI	UART MISO CS SCK MOSI	UART MISO CS SCK MOSI	UART MISO CS SCK MOSI	UART MISO CS SCK MOSI	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	SPI			
MOSI	PC12				
SCK	PC10				

stallGuard

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

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

EXP1

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

EXP2

RST	TFT	T0	T1	T2	T3
RX1		PF3	PF4	PF5	PF6
TX1		GND	GND	GND	GND
GND					
5V					

SPI	SCK/PC10	MISO/PC11	5V
	CS/PA15	MOSI/PC12	GND

UART	RX3/PD9	TX3/PD8	GND	3.3V
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I2C	SDA/PB7	SCL/PB6	GND	3.3V
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EXTENSION-2	BLTouch
GND PD0 PD2 PD5	5V PA1 GND PA2
5V PE4 PE2 PE0	

EXTENSION-1	WIFI
GND PC9 PF9 PC4 PG11 PG14 PC1	3.3V PG0 PG1 PC7
5V PF8 PF10 PC5 PG13 PD3 PF7	PC6 PF14 PF15 GND

ICSP
RST SWC GND SWD 3.3V