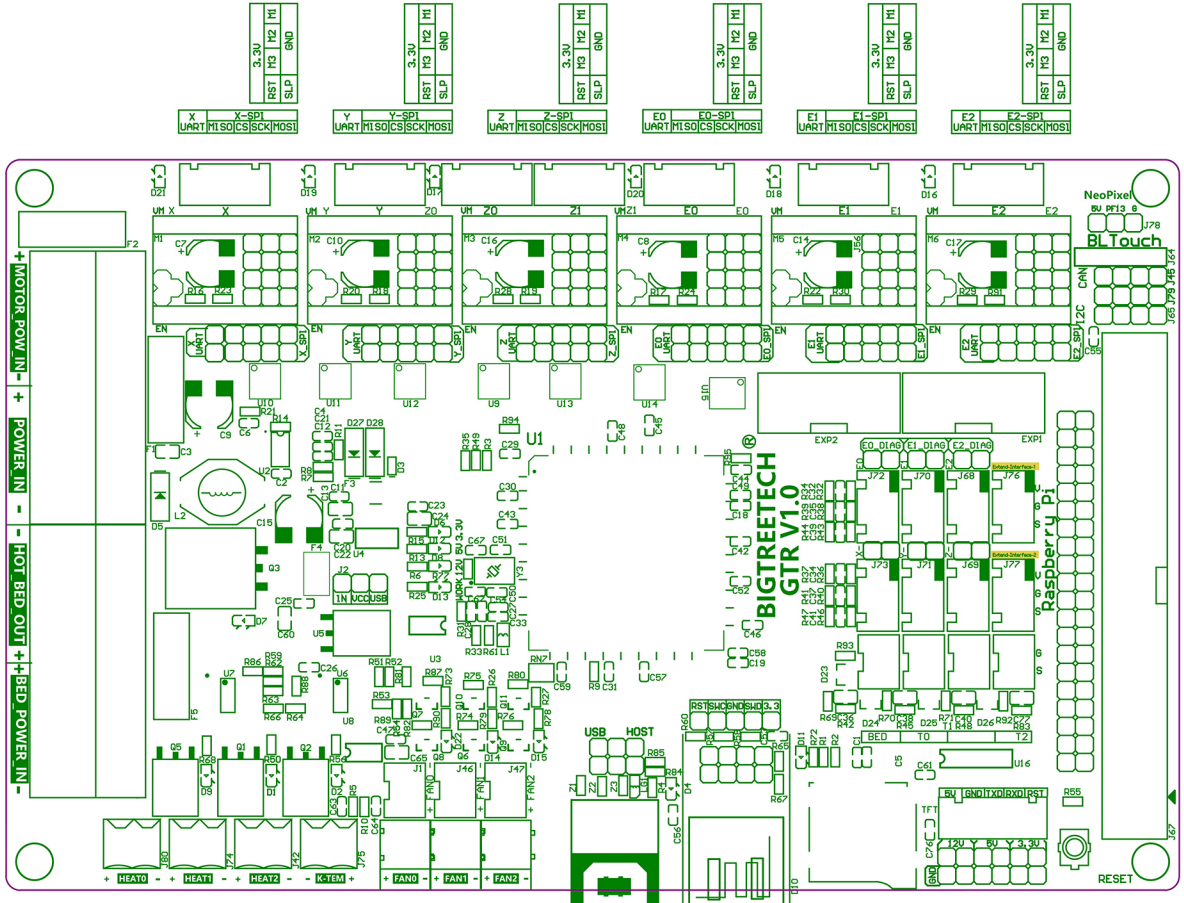

3.3V	M1	M2	GND	SLP	RST
3.3V	M3	M2	GND	SLP	RST

X	X-SPI				
UART	MISO	CS	SCK	MOSI	
Y	Y-SPI				
UART	MISO	CS	SCK	MOSI	
Z	Z-SPI				
UART	MISO	CS	SCK	MOSI	
E0	E0-SPI				
UART	MISO	CS	SCK	MOSI	
E1	E1-SPI				
UART	MISO	CS	SCK	MOSI	
E2	E2-SPI				
UART	MISO	CS	SCK	MOSI	

MOTOR POWER IN	12/24V
	GND
POWER IN	12/24V
	GND
BED OUT	-
	PA2
	+
BED POWER IN	12/24V
	GND

PB1	PA1	PB0	K-TEMP
HEAT0	HEAT1	HEAT2	
PE5	PE6	PC8	
FAN0	FAN1	FAN2	

3.3V	PF11	NC	PC7
PC6	PC5	NC	GND

ICSP (SWD on schematic)

RST	SWC	GND	SWD	3.3V

TFT

5V	GND	TX3	RX3	RST

UART

X	PC14
Y	PE1
Z	PB5
E0	PG10
E1	PD4
E2	PC12

	EN	STEP	DIR
X	PF1	PC15	PF0
Y	PE4	PE3	PE2
Z	PB9	PB8	PB7
E0	PG13	PG12	PG11
E1	PD7	PD6	PD5
E2	PD2	PD1	PD0

SPI

X-CS	Y-CS	Z-CS	E0-CS	E1-CS	E2-CS
PC14	PE1	PB5	PG10	PD4	PC12
MISO	PB6				
MOSI	PG15				
SCK	PB3				

NeoPixel

5V	PF13	GND

BLTouch

GND	5V	PB11	GND	PH11

EXTENSION-0(CAN)

5V	PH13	PI9	GND

EXTENSION-1

5V	PI10	PI8	GND

EXTENSION-2(I2C)

5V	GND	PH8	PH7

PB13	PB12	PB15	RST	NC	PA15	PA8	PG7	PG5	5V
PB14	PD10	PH10	PB10	GND	PC11	PC10	PG8	PG6	GND
EXP2					EXP1				

StallGuard

X-DIAG1	Y-DIAG1	Z-DIAG1	E0-DIAG1	E1-DIAG1	E2-DIAG1
X-	Y-	Z-	E0	E1	E2

E0	E1	E2	Extend-Interface-1
3.3V	3.3V	3.3V	3.3V
GND	GND	GND	GND
PG14	PG9	PD3	PI11
3.3V	3.3V	3.3V	3.3V
GND	GND	GND	GND
PF2	PC13	PE0	PH6
X-	Y-	Z-	Extend-Interface-2
GND	GND	GND	GND
PC0	PC1	PC2	PC3
BED	T0	T1	T2

3V3	5V			
NC	5V			
NC	GND			
NC	PA10			
~~NC~~	PA9			
GND	~~NC~~			
NC	NC			
NC	GND			
NC	NC			
NC	NC			
NC	GND			
NC	NC			
NC	NC			
GND	NC			
NC	NC			
NC	GND			
NC	NC			
NC	GND			
NC	NC			
NC	NC			
GND	NC			

Raspberry Pi

Extended Board Interface

MOTO_MOSI		MOTO_MISO	
PI2	KMOSI	MOTO_SCK	
PF3	M1_STEP	PI1	KSCK
PI4	M1_STOP	PF4	M2_STOP
PF5	TEMP_M5	PF6	M3_STOP
PF7	TEMP_M4	PF8	M1_EN
PF9	TEMP_M2	PF10	TEMP_M3
PC9	FAN_M4	PG3	M1_DIR
PG4	M1_CS	PG2	M2_EN
PD15	HEAT_M1	PD14	M2_STEP
PD13	HEAT_M2	PD11	M2_DIR
PD12	HEAT_M3	PE14	FAN_M5
PI6	HEAT_M5	PE13	HEAT_M4
PF12	M5_STOP	PE12	M3_STEP
PE15	M2_CS	PE10	M3_DIR
PE11	FAN_M3	PE8	M4_EN
PE9	FAN_M2	PG1	M4_DIR
PE7	M3_CS	PF15	M4_CS
PG0	M4_STEP	PI0	M5_EN
PF14	M3_EN	PH15	M5_DIR
PH12	M5_STEP	PH14	M5_CS
PH2	KCS	PI5	FAN_M1
PA3	TEMP_M1	PF13	RGB_LED
PI7	M4_STOP	5V	
3V3		GND	

- Corrected PIN Values. PIN Value placed here came from the GTR V1.0 Schematic Diagram.

- PIN Values that do not exists.