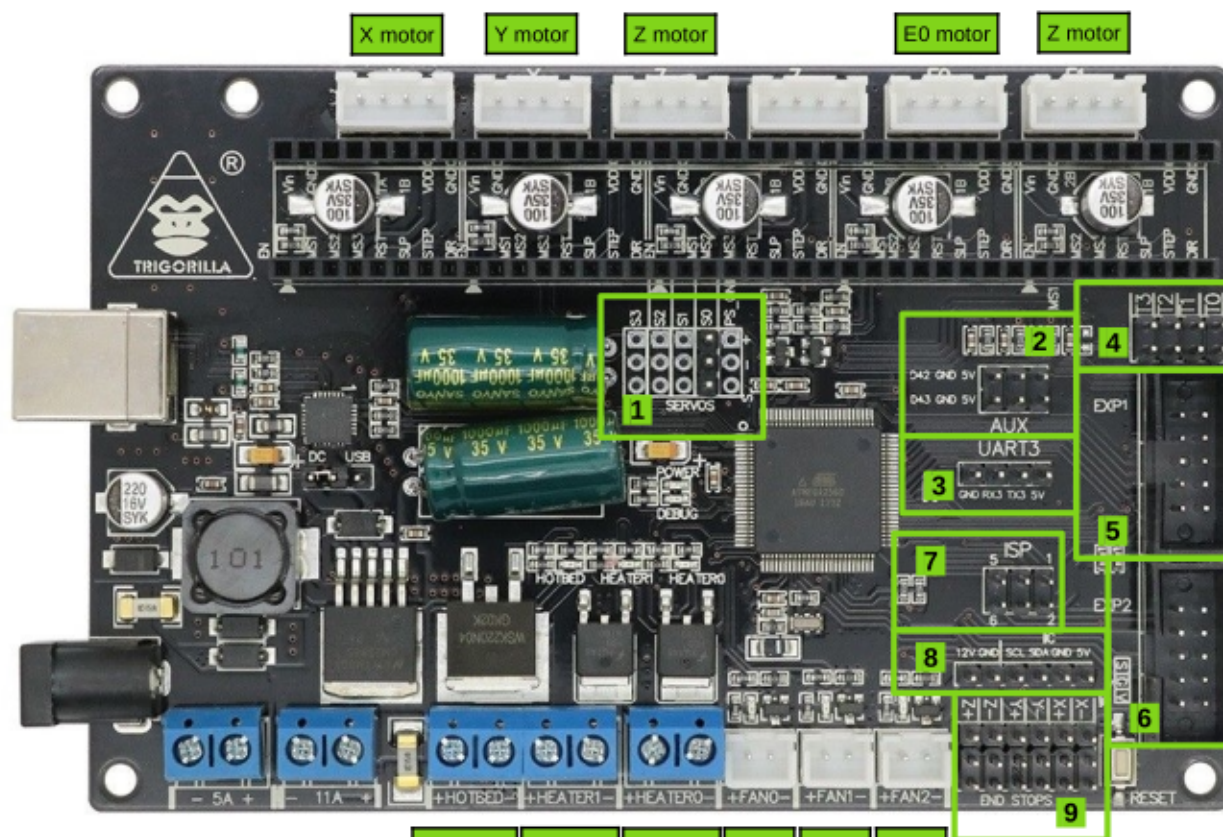


Servo Ports (1)						AUX (2)			ISP (7)			Temp Sensors (4)			
	5V	5V	5V	5V	5V	D42	GND	5V	RST	D52	D50	GND	GND	GND	GND
	GND	GND	GND	GND	GND	D43	GND	5V	GND	D51	5V	A12 (D66)	A15 (D69)	A14 (D68)	A13 (D67)
TRIGORILLA	D4	D5	D6	D11	D12										
TRIGORILLA1.1	D11	D4	D6	D5	D12										

UART3 (3)				IIC (8)			
GND	D15	D14	5V	12V	GND	D21	D20
				GND			5V



EXP1 (5)		EXP2 (6)	
12864 LCD		2004 LCD	
D37	D35	D50	D52
D17	D16	D31	D53
D23	D25	D33	D51
D27	D29	D49	D41
GND	5V	GND	RST

Heat Bed	Heater 1	Heater 0	Fan 0	Fan 1	Fan 2
D8	D45	D10	D9	D7	D44

Limit Switches (9)					
D19	D18	D15	D14	D2	D3
GND	GND	GND	GND	GND	GND
5V	5V	5V	5V	5V	5V

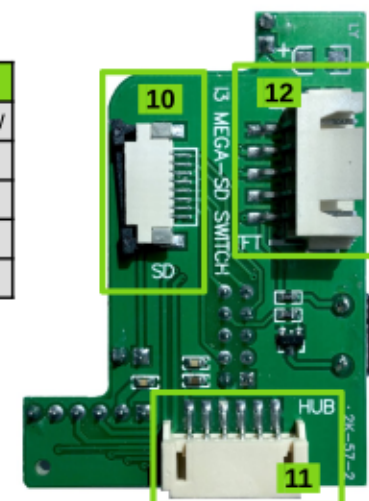
HUB (11)					
D19	D18	D2	D3	A13 (D67)	GND
BROWN	YELLOW	GREEN	BLUE	RED	BLACK

MEGA 2560			MEGA 2560		
PIN	Port	Bindings in Marlin	PIN	Port	Bindings in Marlin
D2 (PWM, INT4)	E4	Z_MIN_PROBE_PIN	D27	A5	<unused/unknown>
D3 (PWM, INT5)	E5	X_MIN_PIN	D29	A7	<unused/unknown>
D4 (PWM)	G5	<unused/unknown>	D31	C6	BEEPER_PIN
D5 (PWM, AIN1)	E3	SERVO0_PIN	D33	C4	<unused/unknown>
D6 (PWM)	H3	<unused/unknown>	D35	C2	<unused/unknown>
D7 (PWM)	H4	CONTROLLER_FAN_PIN	D37	C0	<unused/unknown>
D8 (PWM)	H5	HEATER_BED_PIN	D41	G0	KILL_PIN
D9 (PWM)	H6	FAN_PIN	D42	L7	Y_MIN_PIN
D10 (PWM, PCINT4)	B4	HEATER_0_PIN	D43	L6	X_MAX_PIN
D11 (PWM, PCINT5)	B5	<unused/unknown>	D44 (PWM)	L5	FAN2_PIN, E0_AUTO_FAN_PIN
D12 (PWM, PCINT6)	B6	<unused/unknown>	D45 (PWM)	L4	HEATER_1_PIN
D14 (TX3 / PCINT10)	J1	<unused/unknown> (TFT)	D49	L0	SD_DETECT_PIN
D15 (RX3 / PCINT9)	J0	<unused/unknown> (TFT)	D50 (MISO / PCINT3)	B3	MISO_PIN
D16 (TX2)	H1	<unused/unknown>	D51 (MOSI / PCINT2)	B2	MOSI_PIN
D17 (RX2)	H0	<unused/unknown>	D52 (SCK / PCINT1)	B1	SCK_PIN
D18 (TX1 / INT3)	D3	Z_MIN_PIN	D53 (SS / PCINT0)	B0	SS_PIN, SDSS
D19 (RX1 / INT2)	D2	FIL_RUNOUT_PIN	D66 — A12 (PCINT20)	K4	TEMP_2_PIN
D20 (SDA / INT1)	D1	<unused/unknown>	D67 — A13 (PCINT21)	K5	TEMP_0_PIN
D21 (SCL / INT0)	D0	<unused/unknown>	D68 — A14 (PCINT22)	K6	TEMP_BED_PIN
D23	A1	<unused/unknown>	D69 — A15 (PCINT23)	K7	TEMP_1_PIN
D25	A3	<unused/unknown>			

D12 - can be used as SERIAL_RX_PIN for TMC2208, but D50-D53 only with disabled SD support.

SD (10)
D53
D51
GND
5V
D52
D50
D49
GND

TFT (12)	
GND	YELLOW
D15	GREY
D14	BLUE
RST	RED
5V	GREEN



Z-probe (& T0),z-r (z-I_D42_H2) ,X+(wire in hotend header),T0,X,GND