

NAMES Repetier

Heater Left Fan Board Heater right

Fan Heatsink Fan Hotend Heater Bed

101.6

12-24 V in  
(Fans,  
Hotends)

12-24 V out (Fans, Hotends)

12-24 V out  
Heated  
Bed

12-24 V in  
Heated  
Bed

PINS

15.24

13

12

11

9

8

7

11.43

I2C

3.3V GND SDA SCL

Steppers

11  
12  
21  
22

Endstops

3.3V GND X min  
3.3V GND Y min  
3.3V GND Z min

3.3V GND X max  
3.3V GND Y max  
3.3V GND Z max

external SD card

Reset SCL1  
CS0 MISO  
GND CLK  
3.3V MOSI  
CS1 CD

Repetier

TEMP\_1\_PIN ; 3  
TEMP\_4\_PIN ; 4  
TEMP\_3\_PIN ; 5  
TEMP\_2\_PIN ; 6  
TEMP\_0\_PIN ; 7

Thermistors

GND T4  
GND T3  
GND T2  
GND T1  
GND T0

AUX1

5V  
TX1  
RX1  
GND  
25  
27  
29  
31  
33  
35  
37  
GND

AUX2

DAC0  
DAC1  
CANRX  
CANTX

AUX ADC

3.3V ADC GND

Servos and ATX\_on

Servo PWM1 Servo PWM2 Servo PWM3 PS\_on  
Servo +5V out Servo +5V out Servo +5V out Servo +5V in  
GND GND GND GND

40  
PS\_ON  
5V In

Steppers

22  
21  
12  
11

LCD and Encoder

GND LCD RS 5V  
LCD 4 LCD EN  
LCD 6 LCD 5  
BEEP LCD 7  
ENC B ENC P  
ENC A ENC A

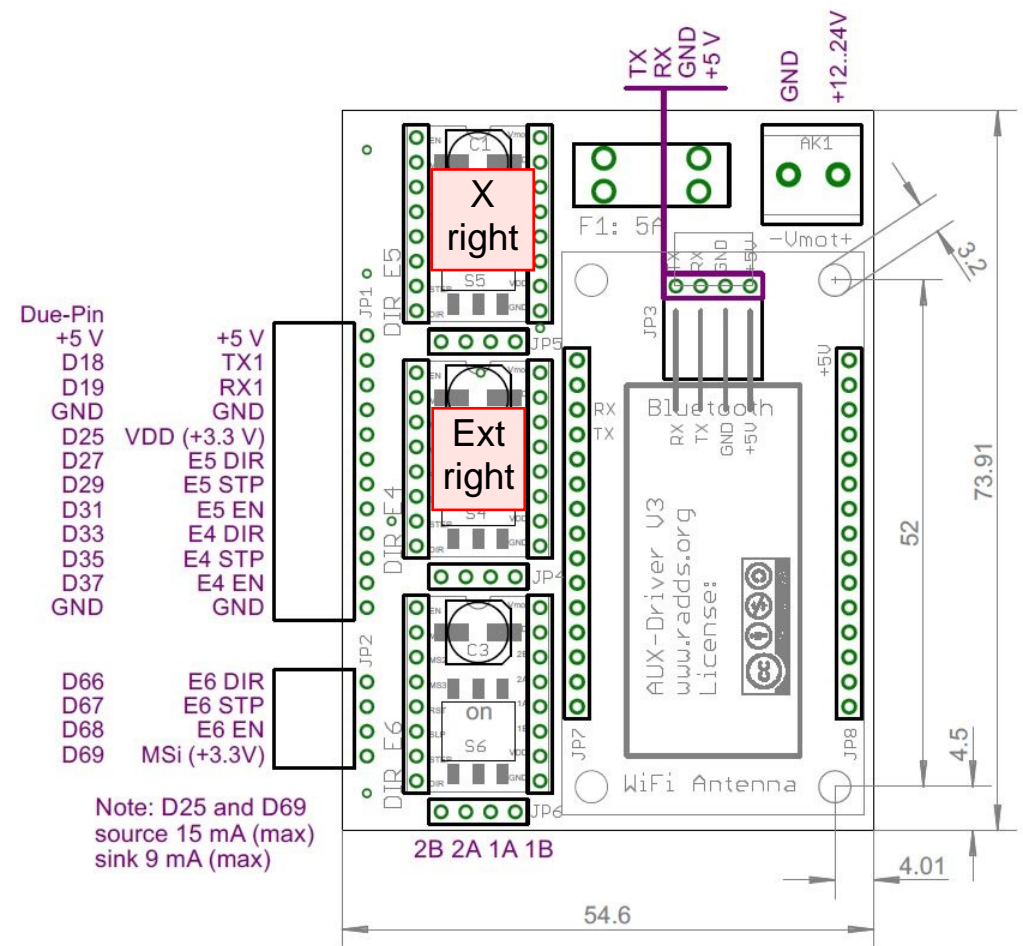
2.54

3.2

5.08

73.91

13.97



A4988			DRV8825			RAPS128			Modes
MS1	MS2	MS3	MS1	MS2	MS3	MS1	MS2	MS3	STEP
Off	Off	Off	Off	Off	Off	Off	Off	Off	1
On	Off	Off	On	Off	Off	On	Off	Off	1/2
Off	On	Off	Off	On	Off	Off	On	Off	1/4
On	On	Off	On	On	Off	On	On	Off	1/8
On	On	On	Off	Off	On	Off	Off	On	1/16
			On	On	On	On	Off	On	1/32
						Off	On	On	1/64
						On	On	On	1/128