

# ChickTECH Turtle Robot Datasheet

Robot Name: \_\_\_\_\_

Builder's Name: \_\_\_\_\_

Motion: 2 x 28byj Stepper Motors  
5V 1/64 Ratio

Control: Adafruit  
ItsyBitsy MO

Output:  
LEDs

Input:  
Push button

Sensing:  
2x IR Emitter/Detector pair

Pen Control:  
9g Servo

3D Printed  
Chassis and  
wheels

Power Switch

Power: 4 x AA (6 Volts)

Programming (via USB):

- Python
- Arduino C



Calibration Parameters:

wheel\_dia (mm): \_\_\_\_\_

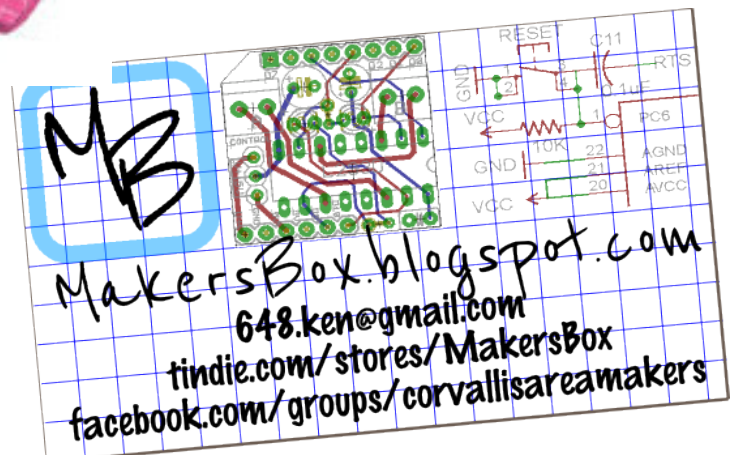
wheel\_base (mm): \_\_\_\_\_

PEN\_UP (angle): \_\_\_\_\_

PEN\_Down (angle): \_\_\_\_\_

Turtle Commands:

```
left(degrees)
right(degrees)
forward(distance) mm
backwards(distance) mm
penup()
pendown()
goto(x, y)
```



Full details at <http://bit.ly/OSTurtle>