ChickTECH Turtle Robot Datasheet

Robot Name: _____

Builder's Name: _____

Motion: 2 x 28byj 5 volt, Uni-polar Stepper Motors with 1:64 Gearing

Control: Adafruit ItsyBitsy M4

Pen Control: 9g Servo

Output: LEDs

Input: Push button

3D Printed Chassis and wheels

Power Switch

Sensing: 2x IR Emitter/Detector pair

Power: 4 x AA (6 Volts)

Programming (via USB):
- Python
- Arduino C

CHICKTECH.ORG

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