Chick TECH Turtle Robot Patasheet #TurtleRobot @ChickTechOrg @TheMakersBox

Robot Name:	
Builder's Name)• •

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

Control: Adafruit ItsyBitsy M4

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)



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