

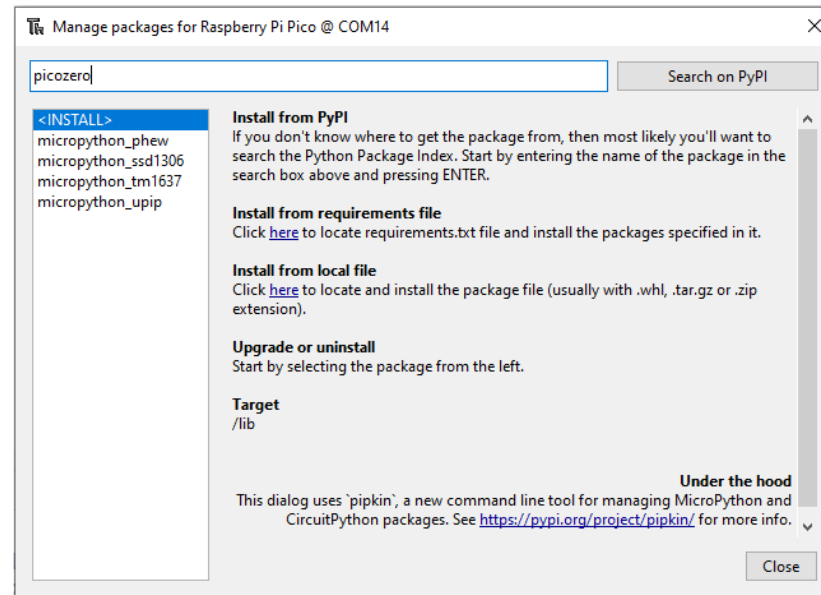
Installing picozero Library

Connect the Pico to the Laptop

Open Thonny IDE

Select Tool, Manage Packages

Enter picozero in search box and hit Enter



Click the link picozero

Then click Install

Once installation is done you will be able

To see the picozero library in your \lib folder

Search results

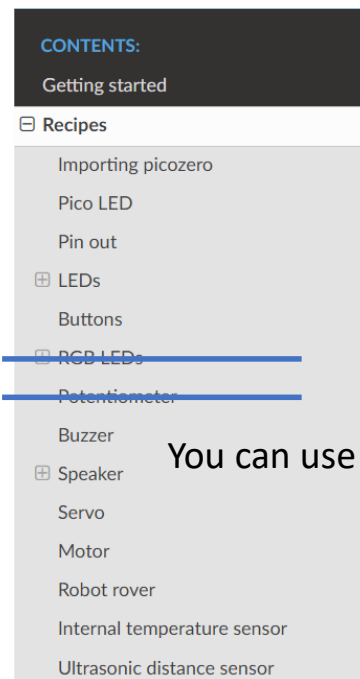
picozero

A beginner-friendly library for using common electronics components with the Raspberry Pi Pico.

The picozero library documentation is found in this link. Use the wiring diagrams
In the following pages to test our the suggested programmes (Recipes)

<https://picozero.readthedocs.io/en/latest/recipes.html#importing-picozero>

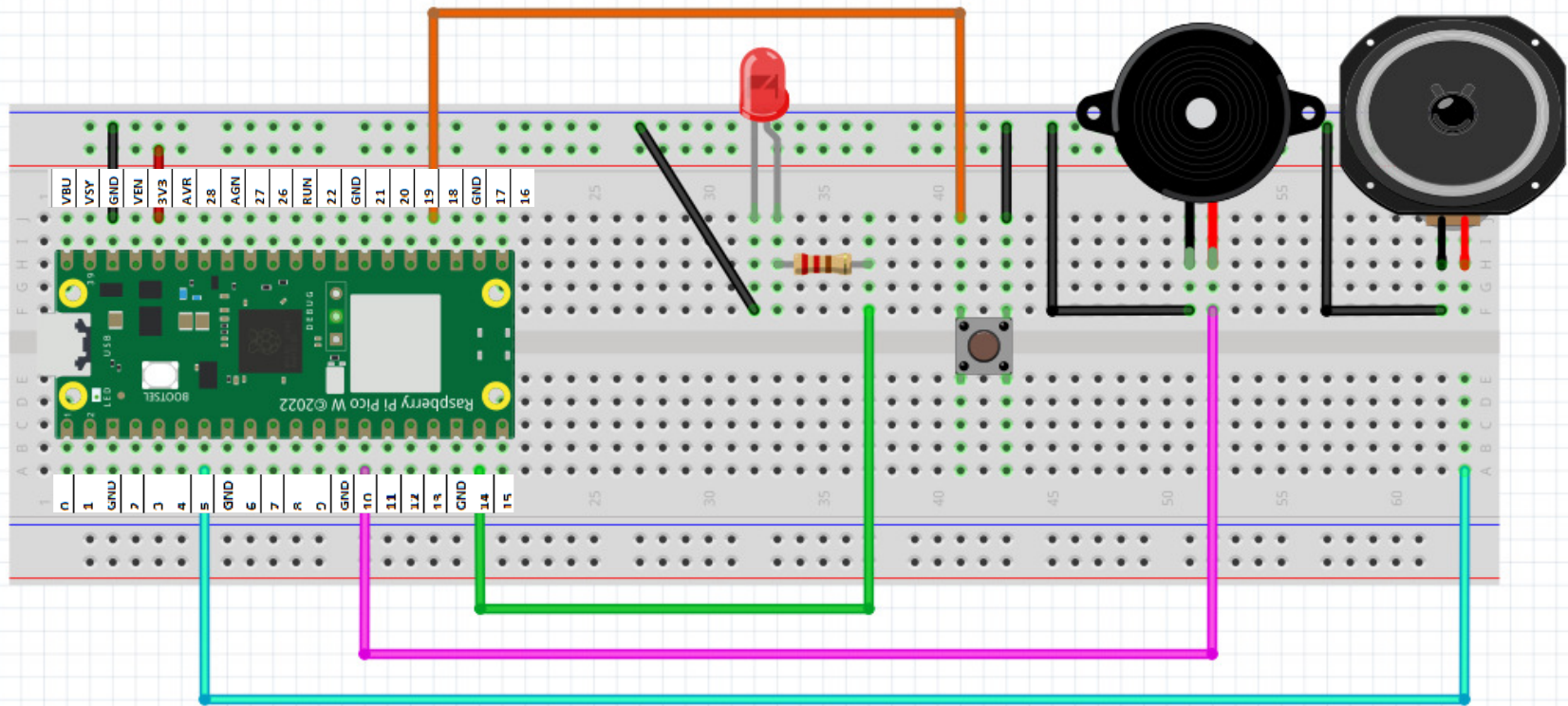
Click Recipes and follow the exercises for



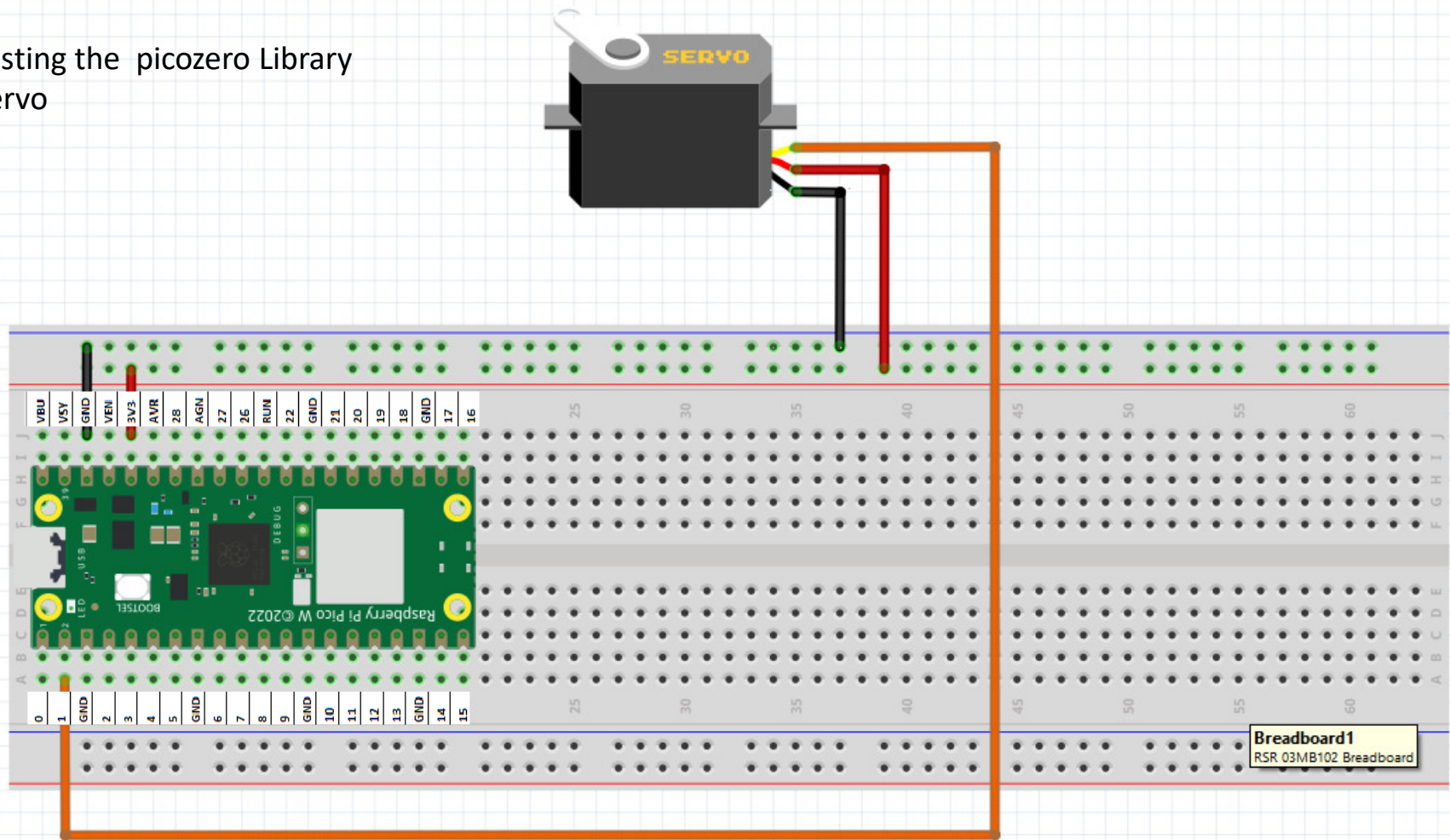
CONTENTS:	
Getting started	
▢	Recipes
	Importing picozero
	Pico LED
	Pin out
⊕	LEDs
	Buttons
⊕	RGB LEDs
⊕	Potentiometer
	Buzzer
⊕	Speaker
	Servo
	Motor
	Robot rover
	Internal temperature sensor
	Ultrasonic distance sensor

You can use one of your buzzers as speaker

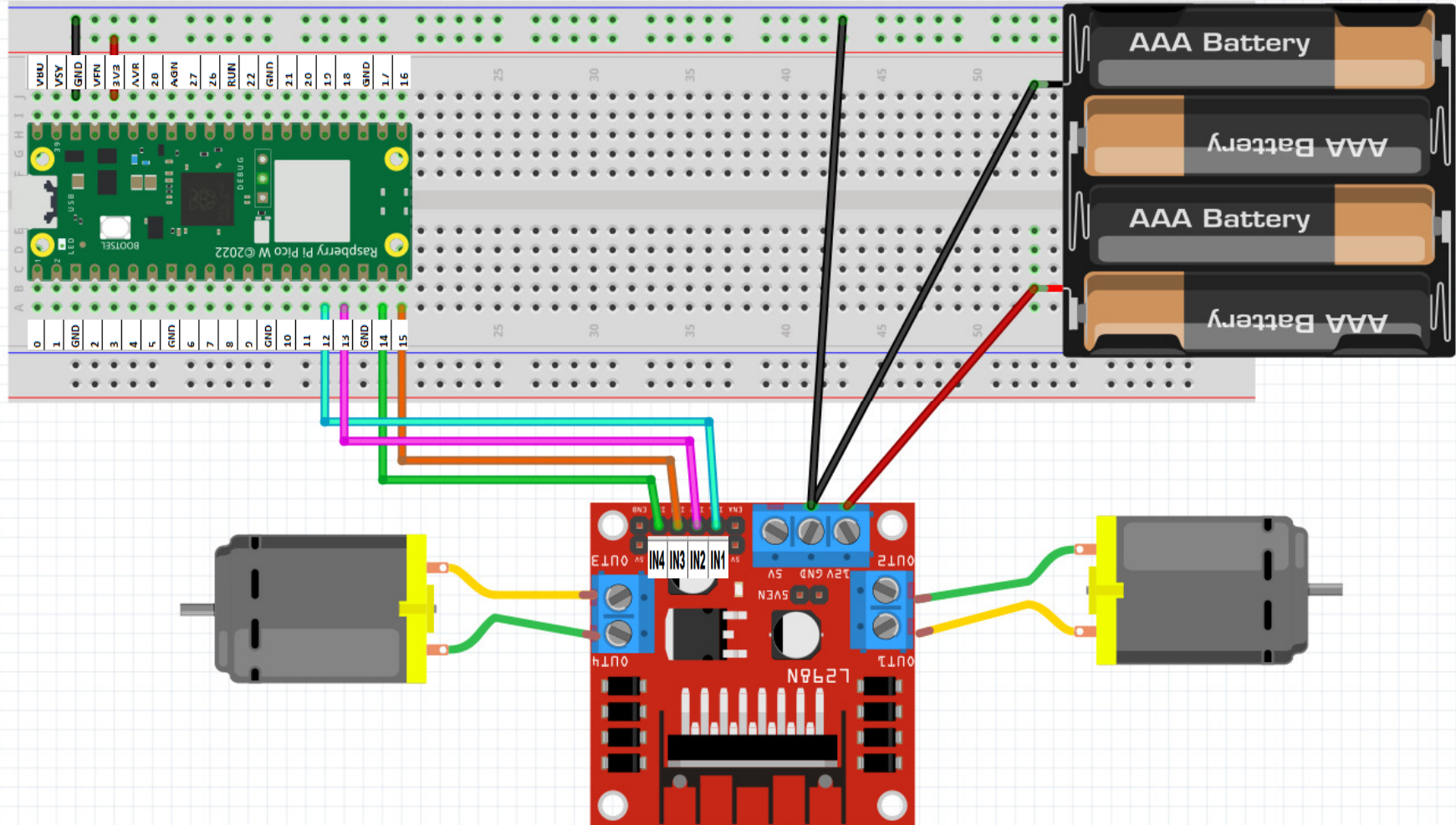
Testing the picozero Library LED Button Buzzer Speaker



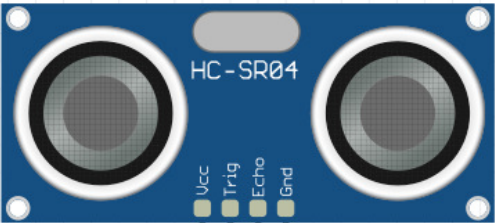
Testing the picozero Library Servo



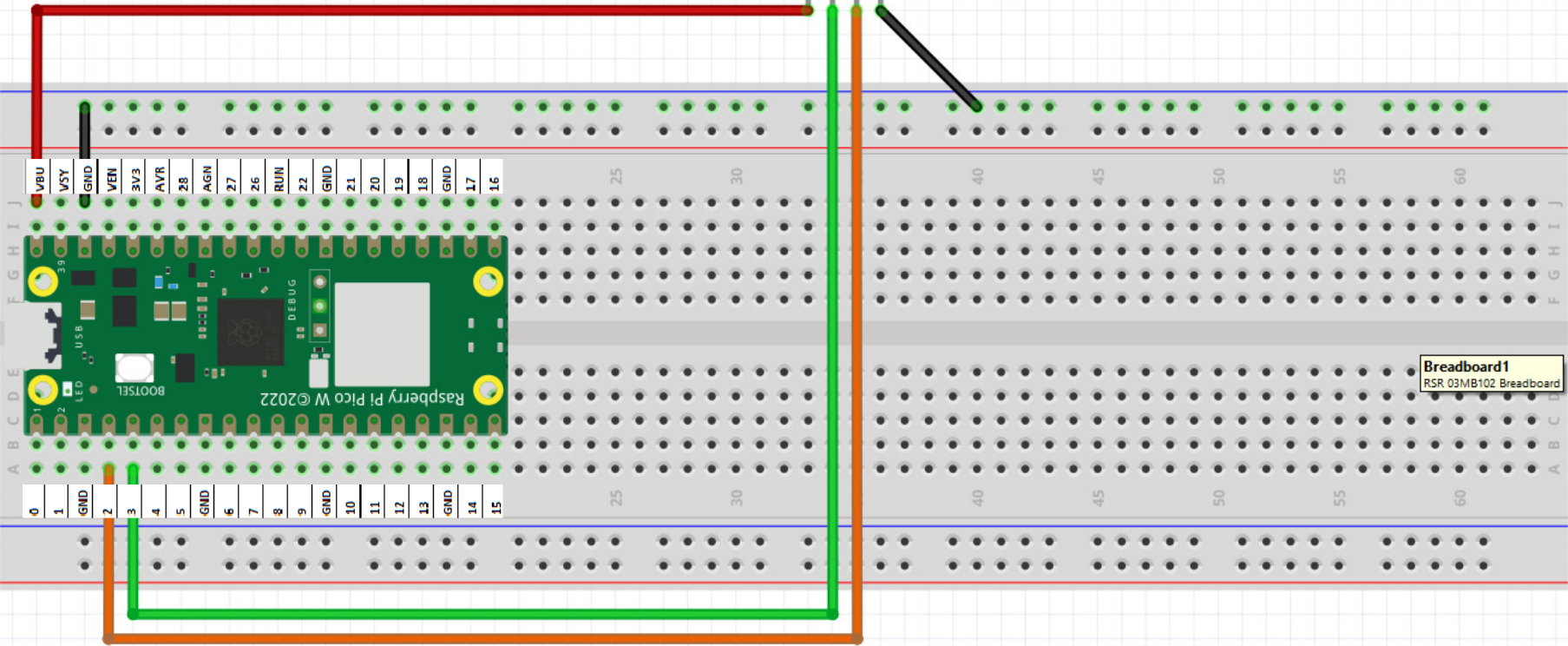
Testing the picozero Library Motor / Robot



Testing the picozero Library
DistanceSensor



VBUS



RUNNING PICO UNTETHERED TO LAPTOP

Save program as main.py

Use power bank to power Pico