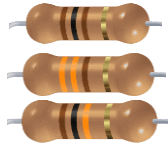


# *Turtle Robot Board Assembly (V2)*

Assemble in order indicated.

## 1. Resistors:

- .No polarity
- .100 ohm = brown-blackk-brown-gold
- .330 ohm = orange-orange-brown-gold
- .10K ohm = brown-black-orange-gold



## 2. IC socket:

- .Match divot on left side.
- .Insert chip after Step 7.

## 3. Button:

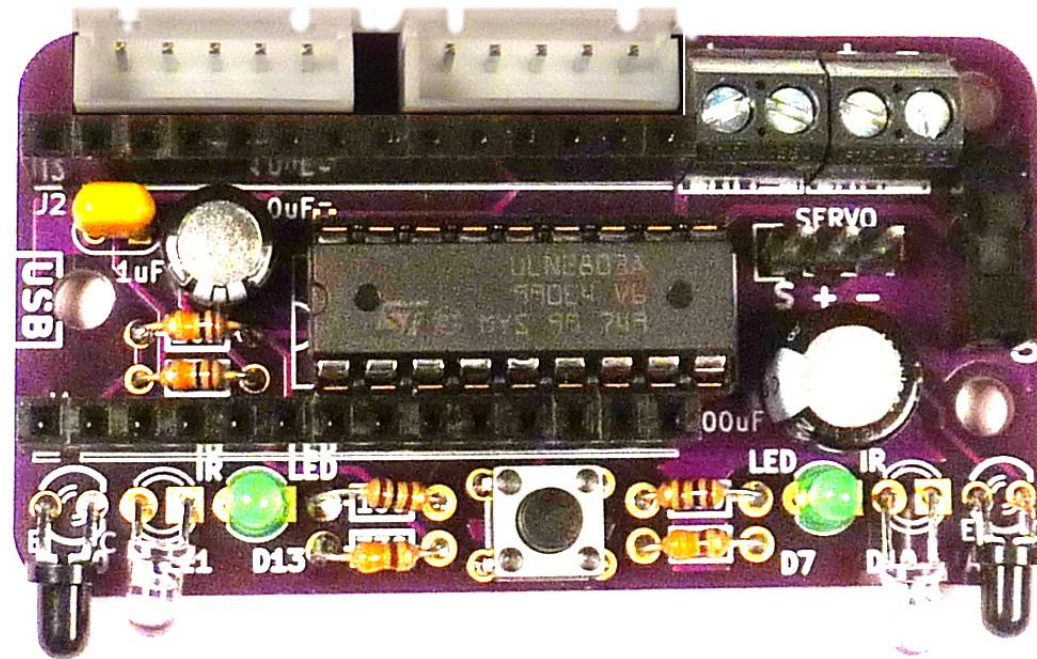
- .Match legs to holes
- .Press to snap in place

## 4. LEDS / IR / Detector:

- .LED (D13, D7): long leg is positive. Square Pad
- .Bend IR emitter & detector so they face the front:
  - .Clear IR Emitter (D11, D10): long leg is positive. Square Pad
  - .Black IR Detector (A0, A1): Long leg emmitter ("E").

## 7. Headers:

- .White JST: Slots outward
- .Black 2-position: Openings outward
- .Servo 3-position: long legs up



## 6.Switch:

- .No polarity

## 5. Capacitors:

- .1 uF no polarity "104"
- .10 uF long leg positive
- .100 uF long leg positive