
SPIRAL LED CHASER



Guide for assembly

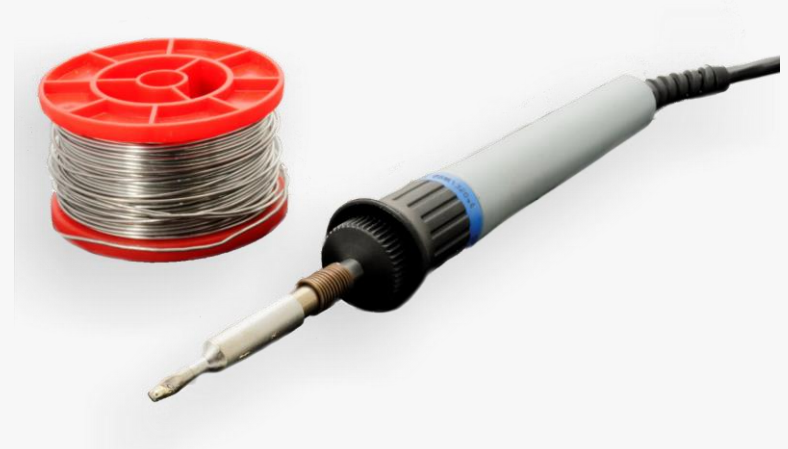
Tools required:



Wire Cutter



Long Nose Mini-Plier



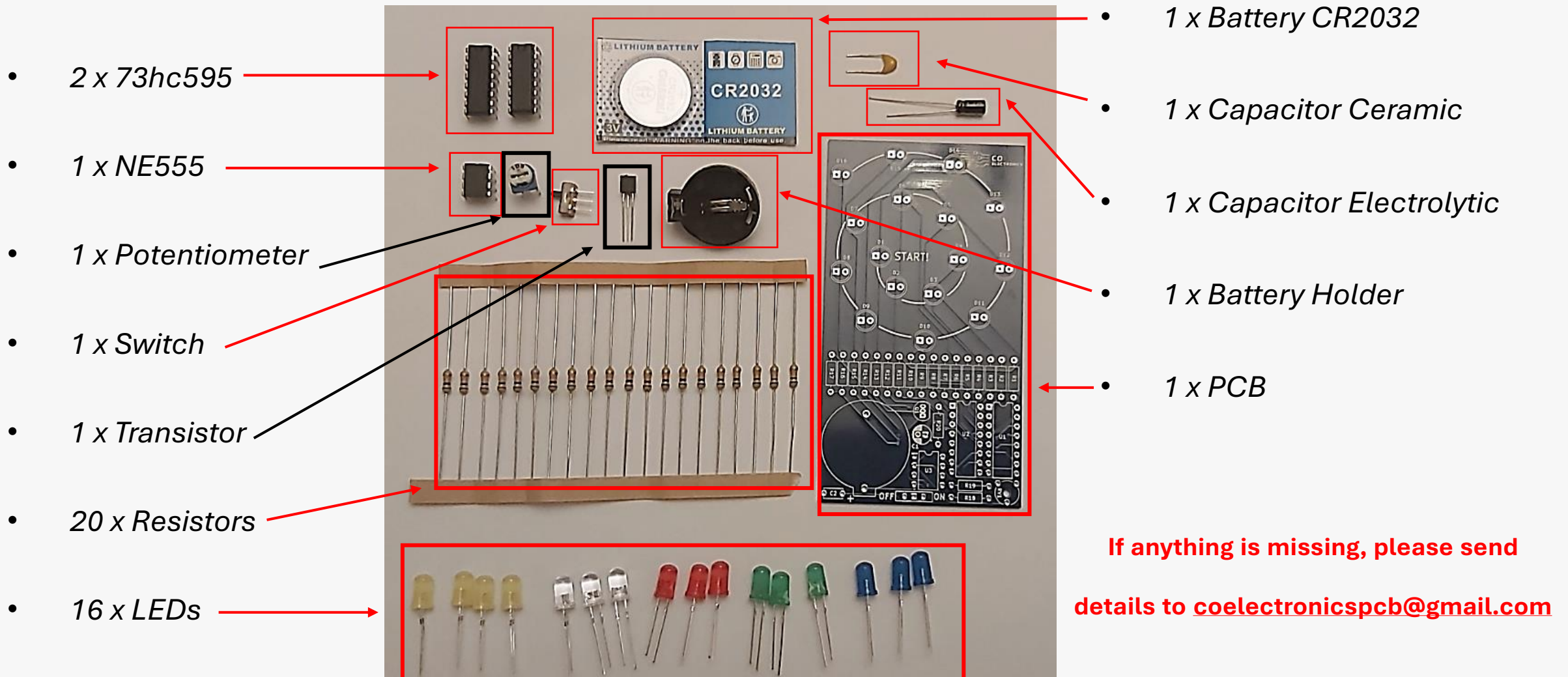
Soldering Iron + Solder Wire

DISCLAIMER!

This guide explains how to install the components for a fully working circuit and the reader must have the knowledge of how to solder and the precautions needed to avoid injuries.

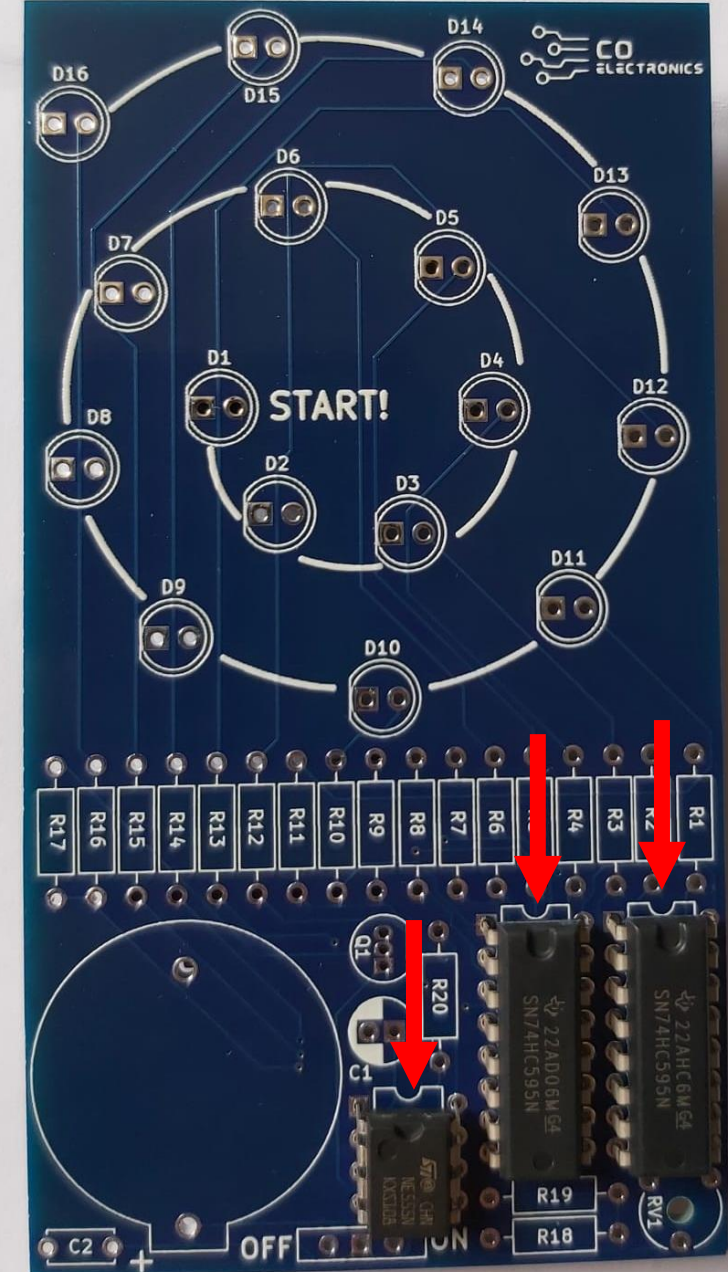
Therefore, the author assumes no responsibility for any damage and injuries.

Material Checklist



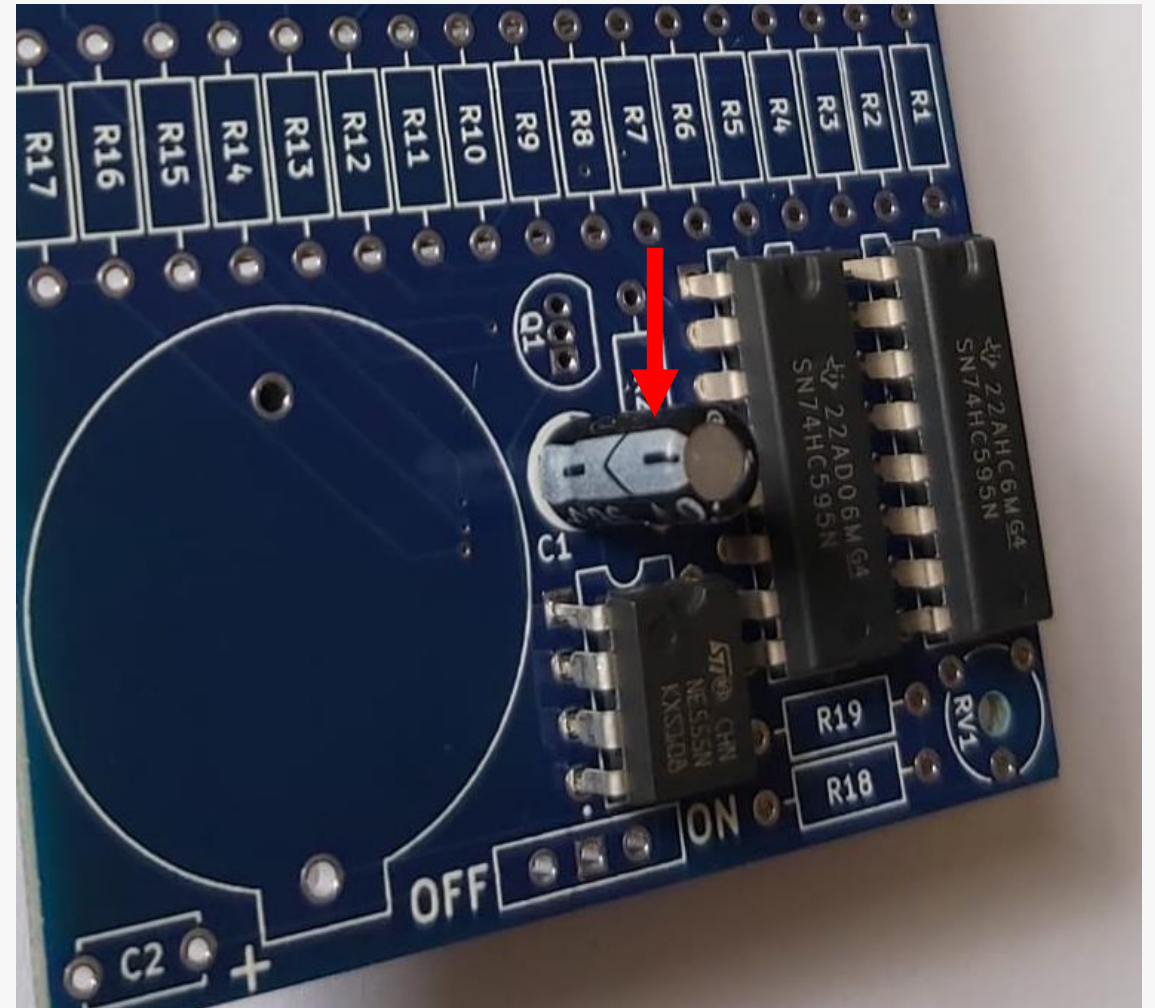
Installing the ICs

Place the IC following the semicircle reference as shown in the picture.



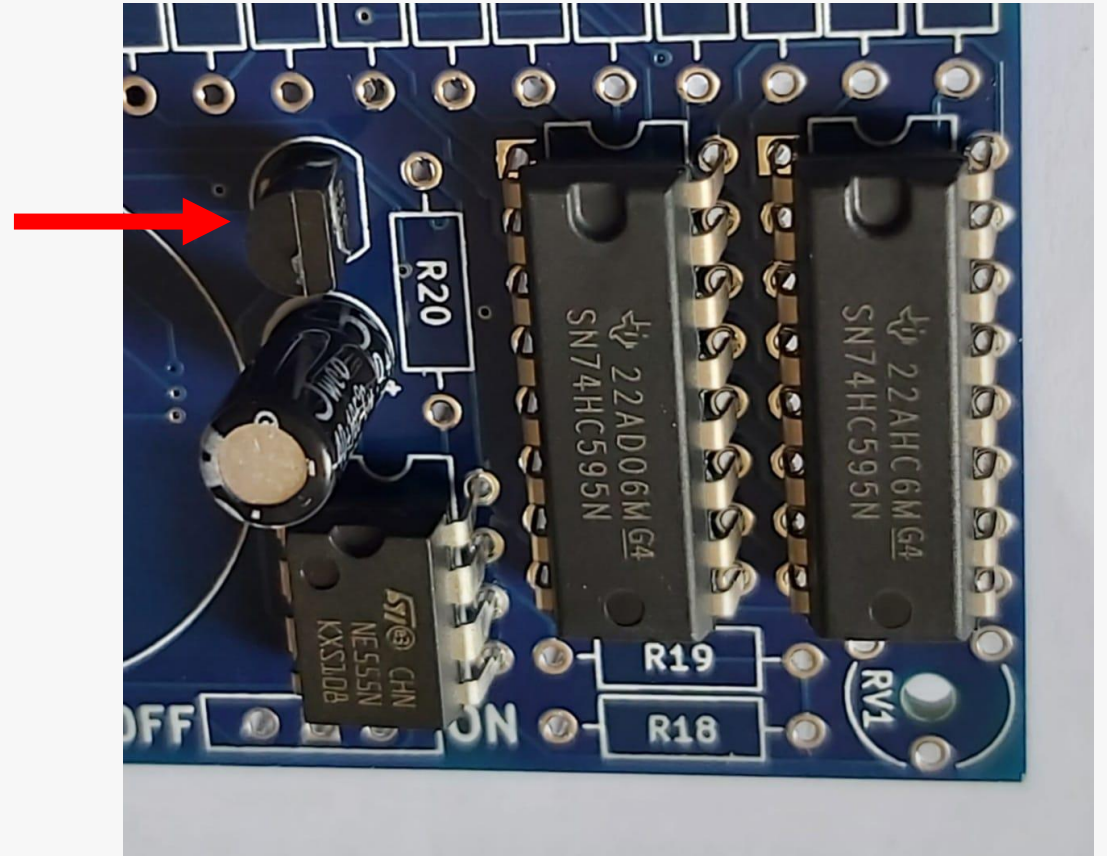
Installing the Electrolytic capacitor

Place the Capacitor following the White stripe reference as shown in the picture.



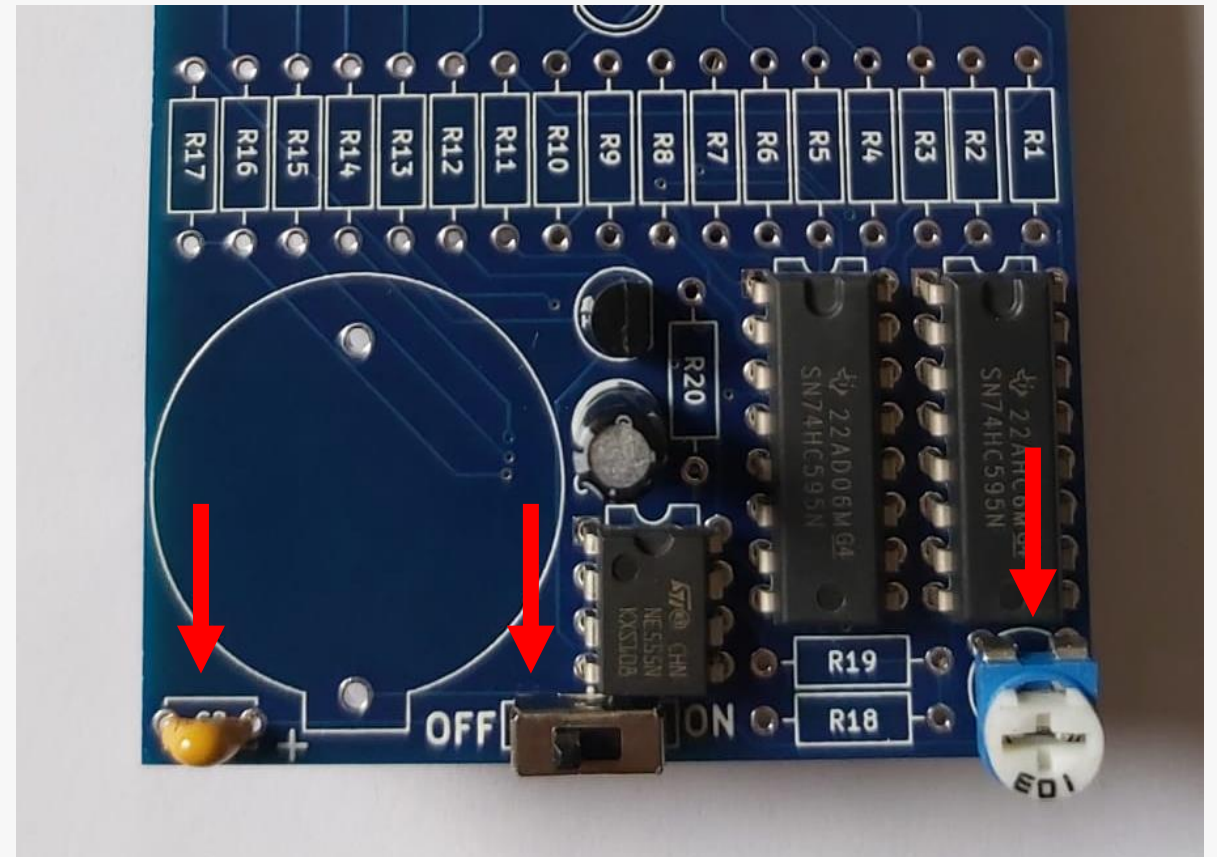
Installing the Transistor

Place the Transistor following the 'D' shape as in the picture.



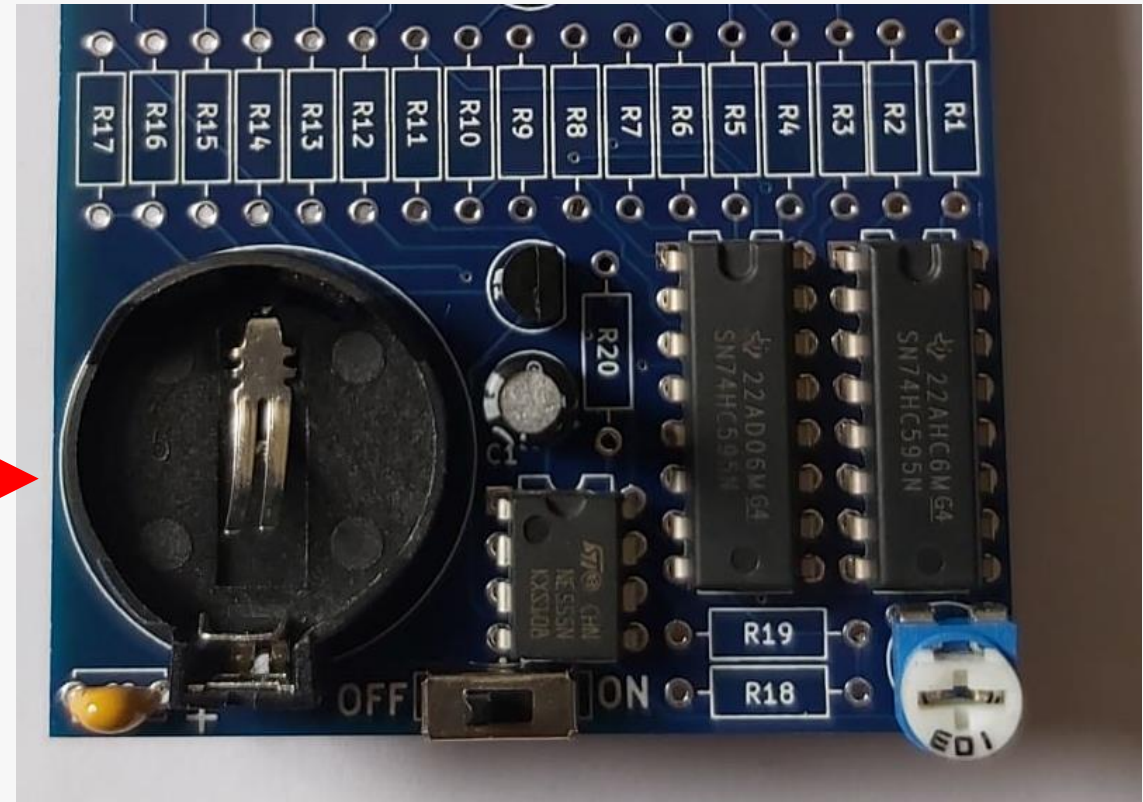
Installing the capacitor, Switch and Potentiometer

Place the 3 components as shown in the picture, they don't have any polarity and the potentiometer fits only in one way!



Installing the Battery Holder

The Battery Holder has a polarity and needs to be installed following the white silkscreen shape or just look at the picture!



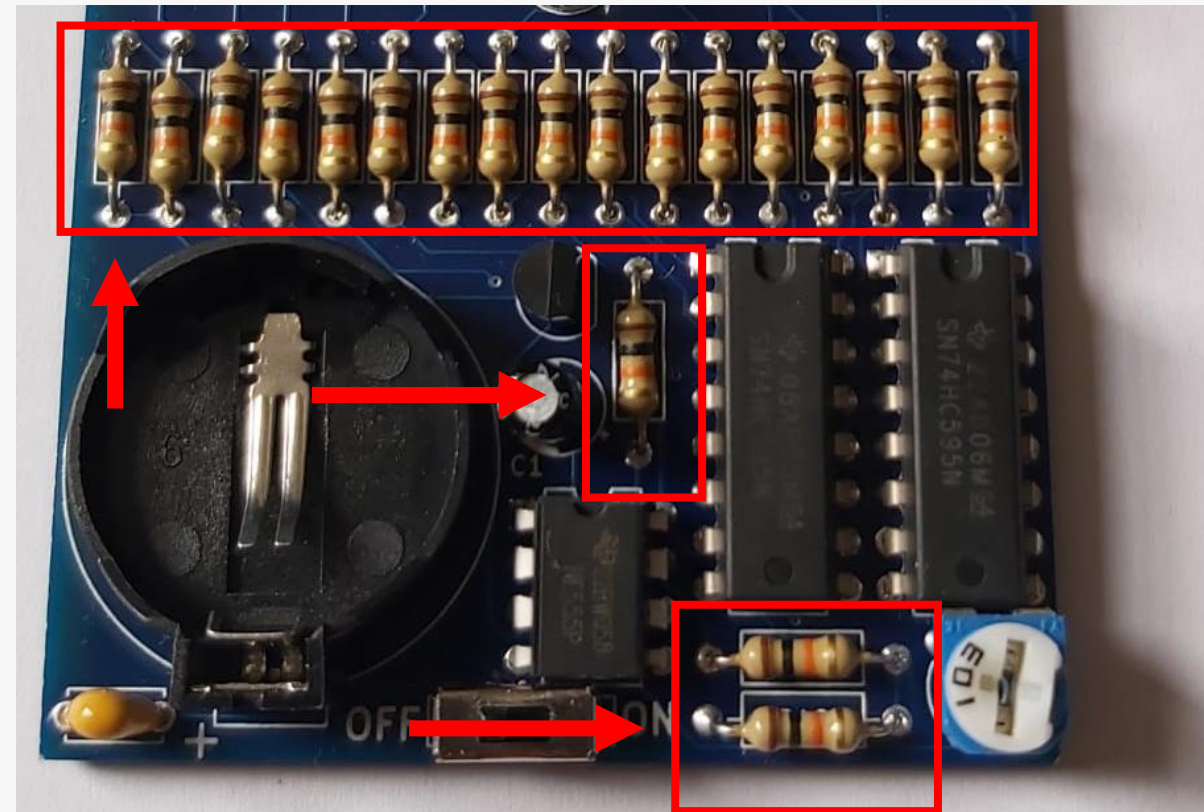
Installing the resistors

Bend the terminals of the resistors as shown in the picture



Installing the resistors

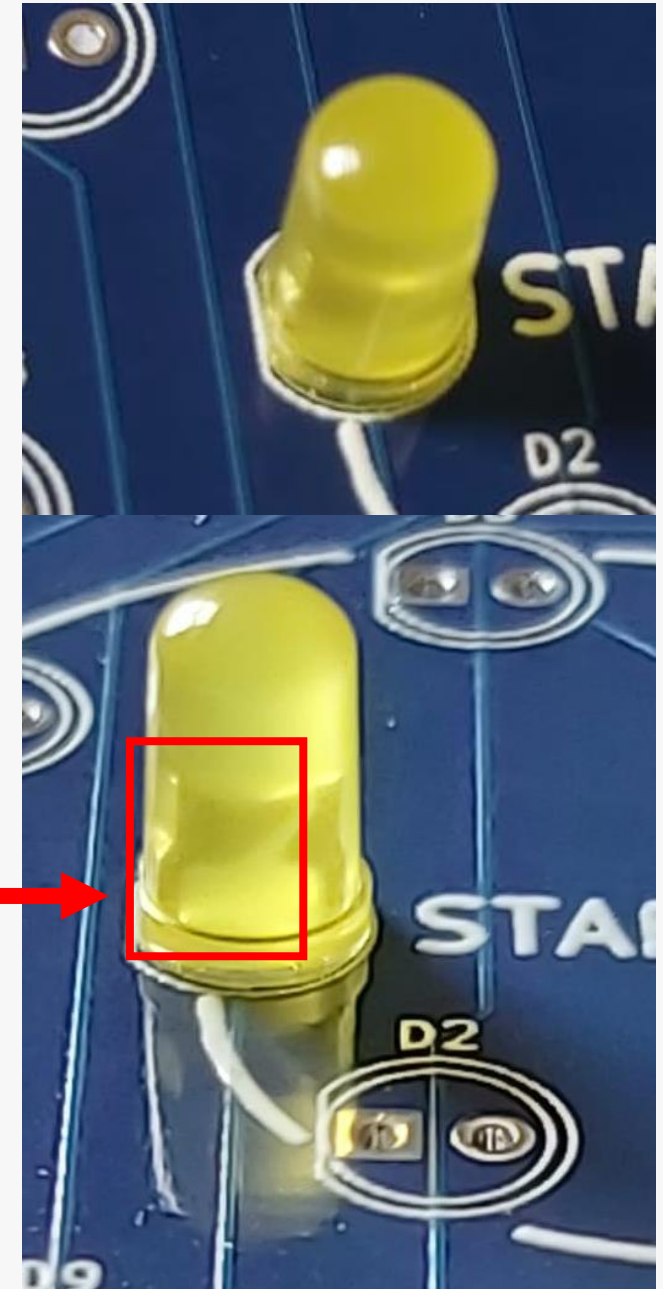
Install the resistor as you like, they don't have polarity, but if you want a nice looking board you can follow the example in the picture!



Installing the LEDs

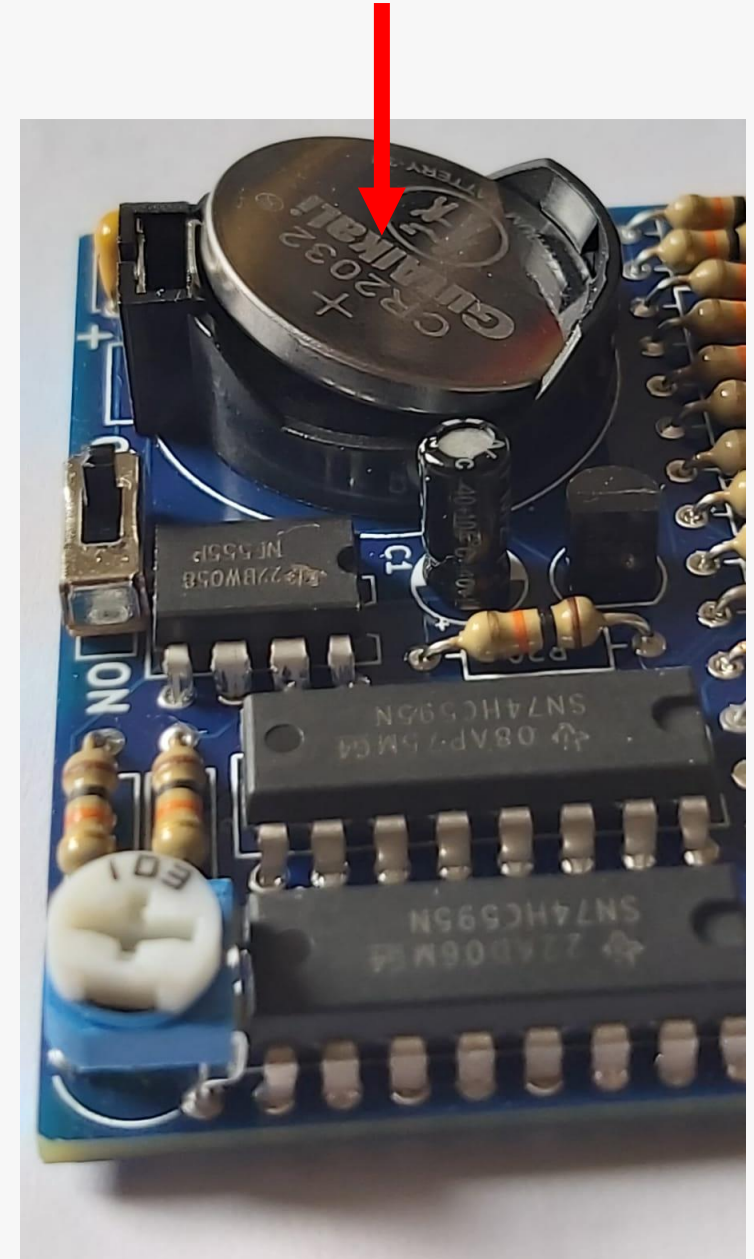
To install correctly the LED there are 2 references:

- The first is the 'D' shape of the silkscreen.*
- The second reference is to keep the larger electrode on the left as in the picture.*



Installing the Battery

Place the Battery as show in the picture and then push it down!



Switch it ON!

- *Switch ON the circuit toggling to the right.*
- *Turn right or left the upper white part of the potentiometer to change the speed of the chaser!*

