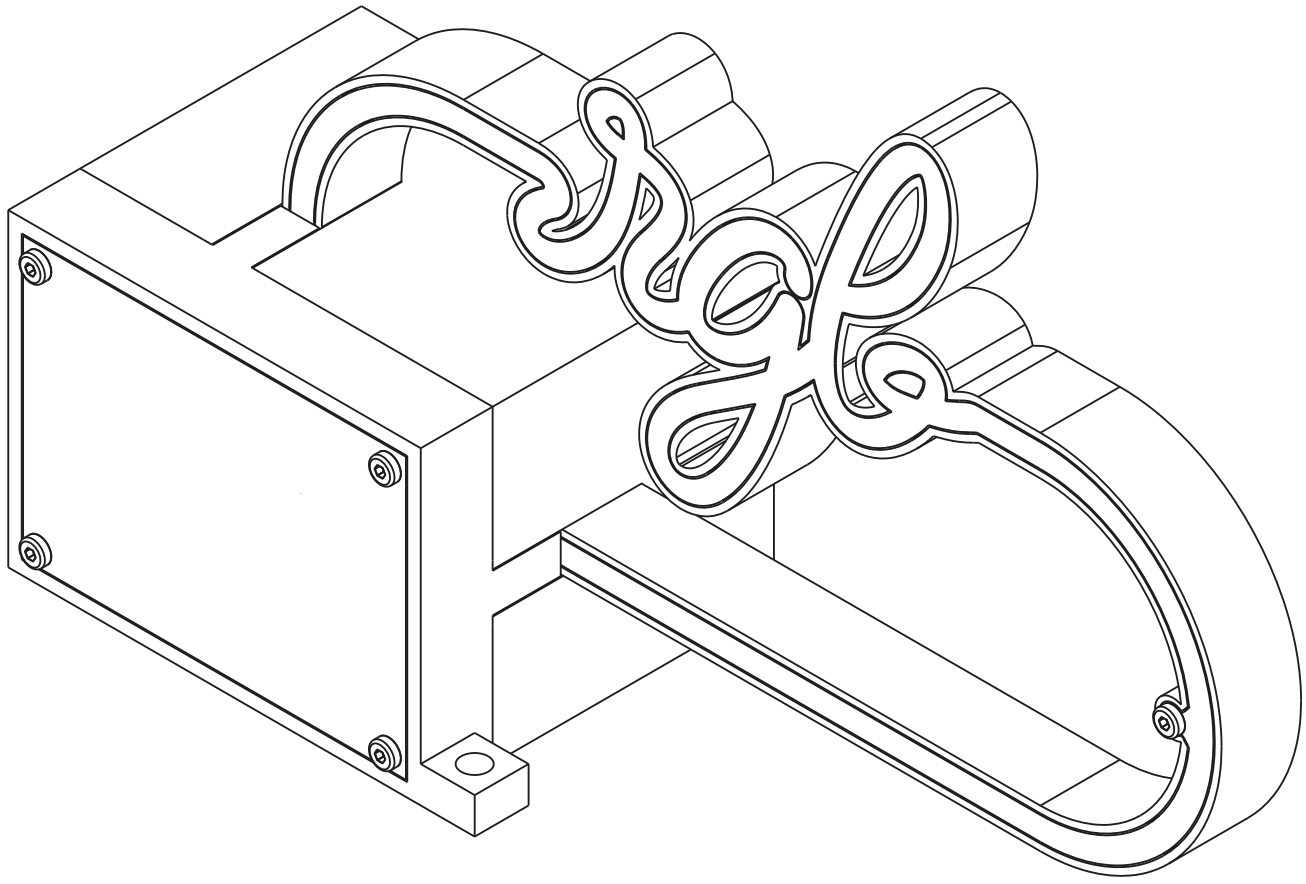
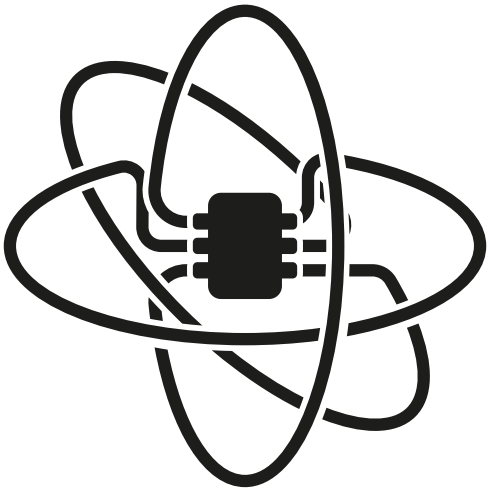
HOW TO BUILD

RGB LAMP



by **Adrien Husson**
for the CRI

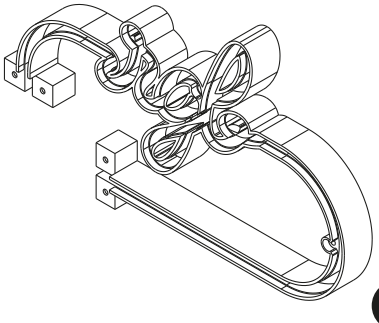


This manual refers to the **RGB Lamp Demonstrator** project
and is part of the **Movuino** documentation.

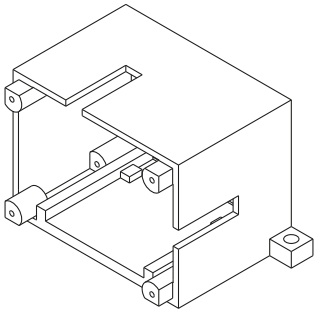
All files of the project can be found on:

www.github.com/hssnadr/RGB-Lamp-Demonstrator

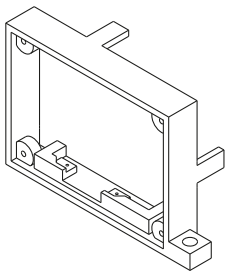
TO 3D PRINT



A1 **x1 RGB case**



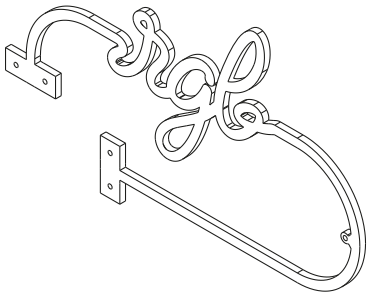
A2 **x1 back base**



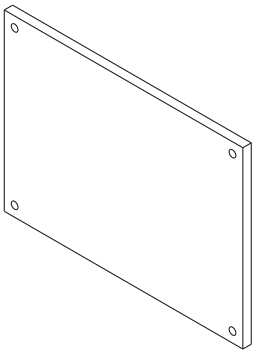
A3 **x1 front base**

RGB-Lamp-Demonstrator/01_MakingRessources/3DModels/... ***select files STL, CATIA or STP***

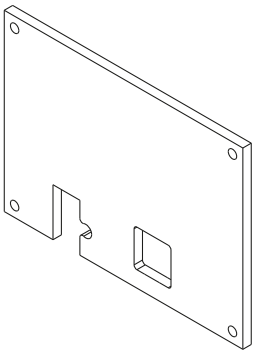
TO LASER CUT



B1 **x1 RGB glass**



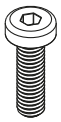
B2 **x1 front glass**



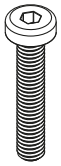
B3 **x1 back glass**

RGB-Lamp-Demonstrator/01_MakingRessources/RGBLamp_LaserCut.svg

TO BUY



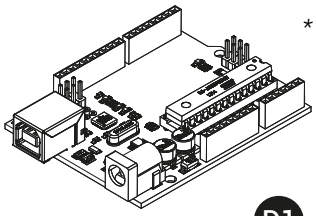
C1 x5 M3 10mm CHC screws



C2 x4 M3 16mm CHC screws

C3 x9 M3 nuts

C4 x9 M1 3mm self-tapping screws

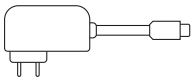


*

D1 x1 Arduino UNO

D2 x1 1000 µF capacitor

D3 x1 470 Ohm resistor



D4 x1 DC Power Supply 5V / 300mA

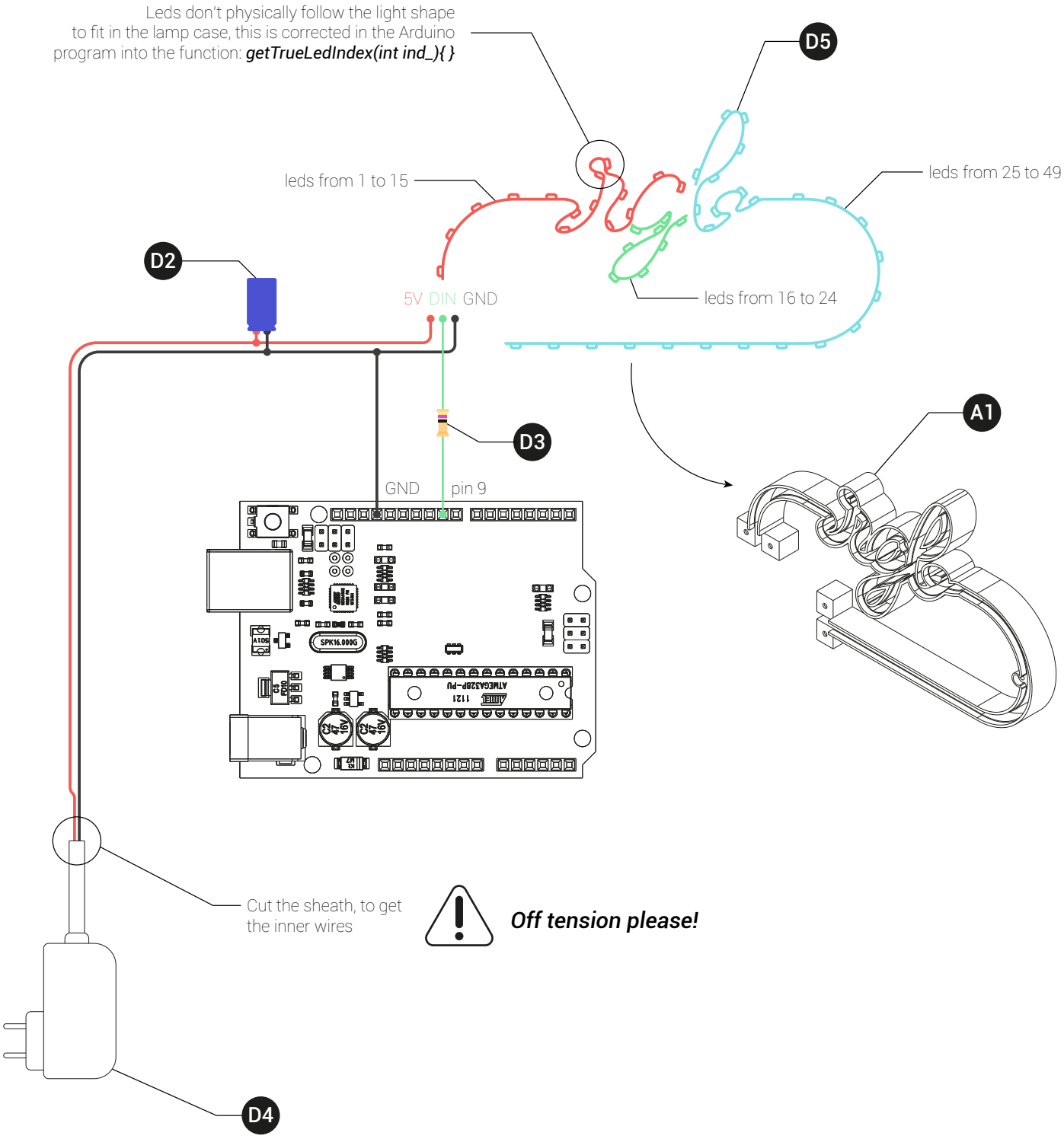
D5 x1m RGB Neopixel strip 60 leds/m

D6 x3 Electric wires

** 3D model reference: https://grabcad.com/library/arduino-uno-r3-1*

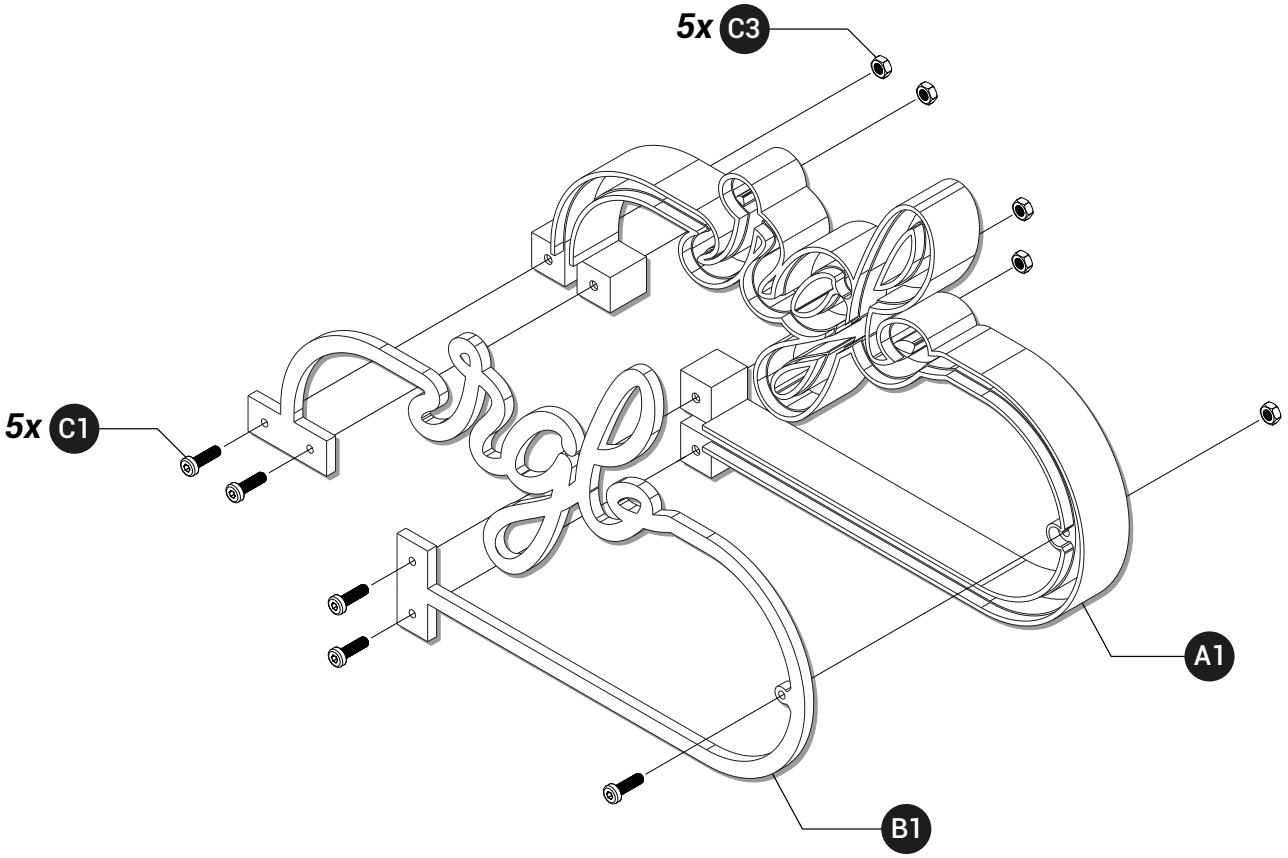
ELECTRONIC

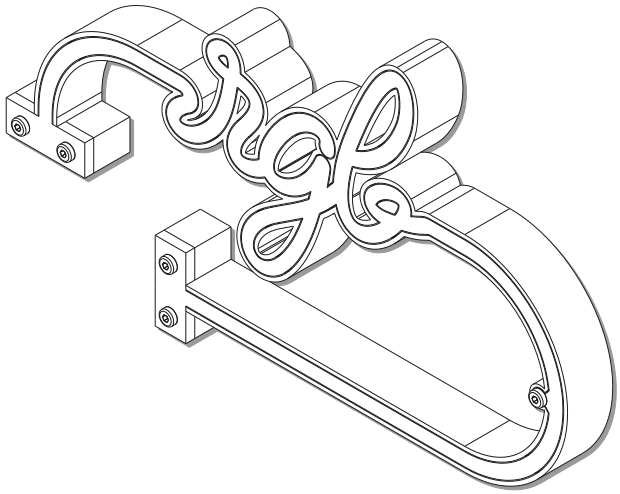
To make the electronic part, you need to cut your 1 meter Neopixel leds strip into 3 parts, then sold it in a way it fits into the RGB case and following this diagram.



ASSEMBLY

1





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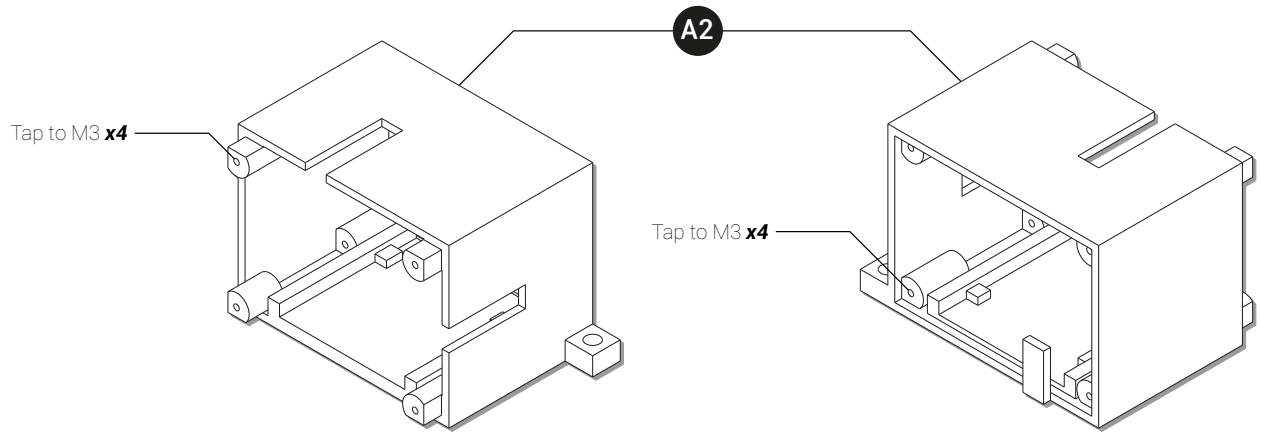
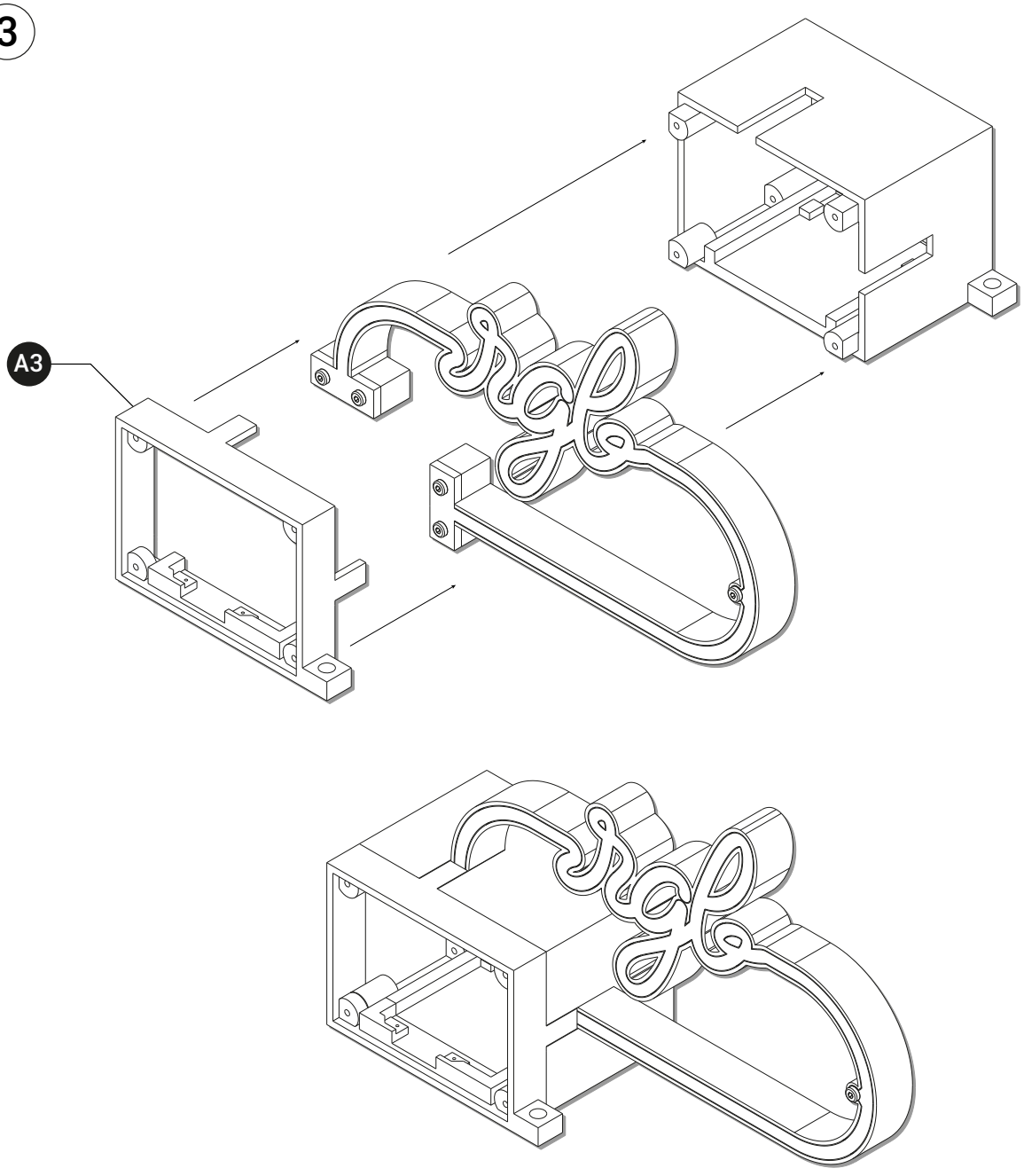
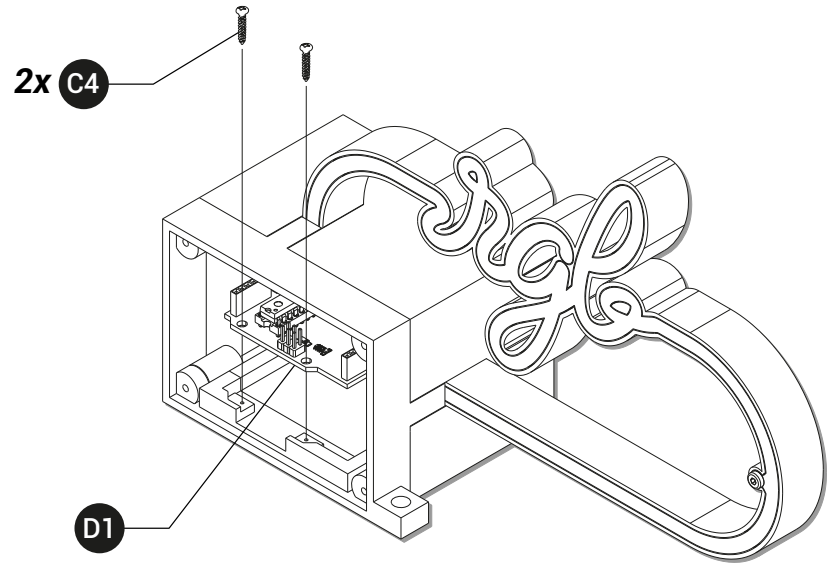


3



4



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