

picoCountdowner

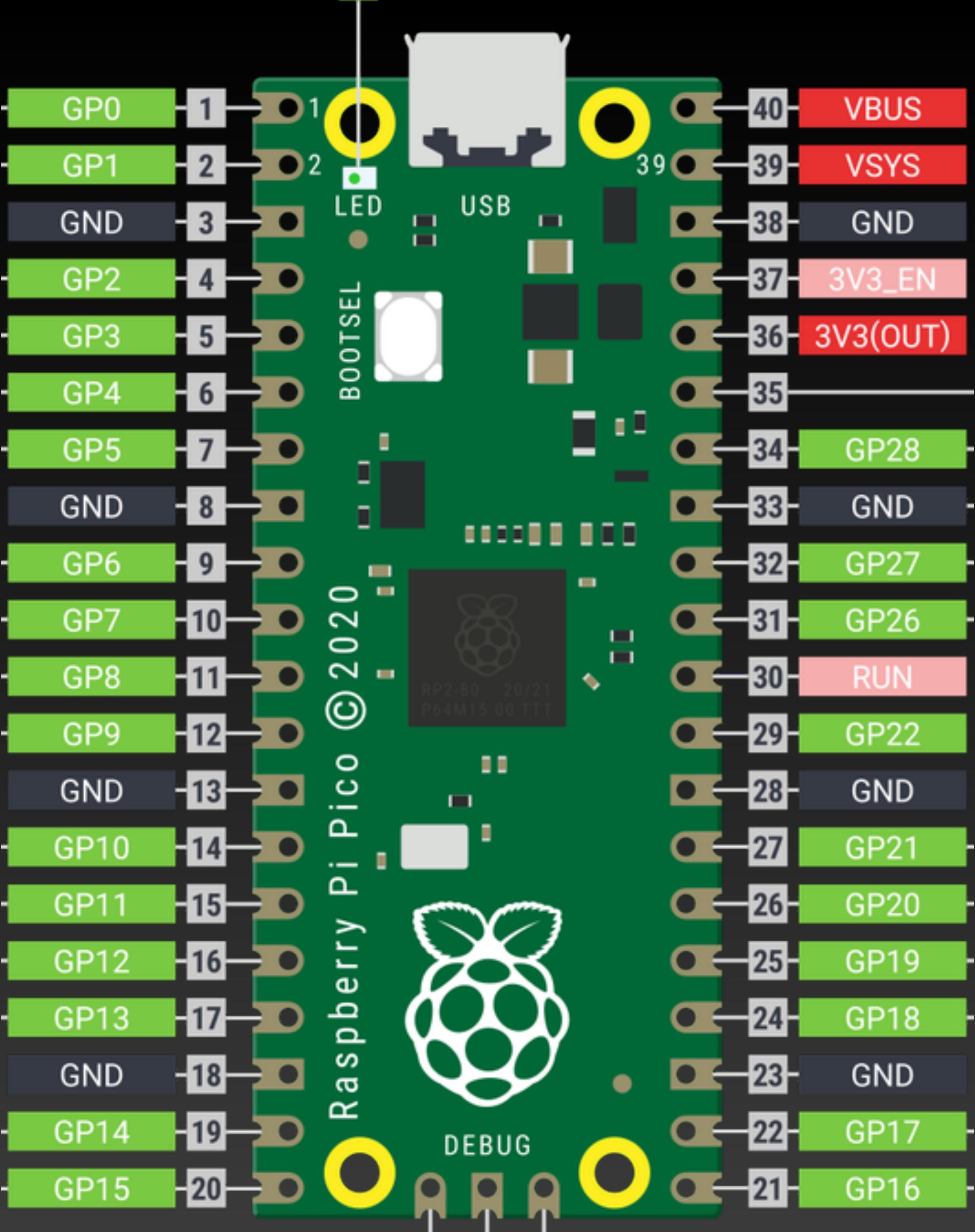
倒數計時器

chyijiunn

What we use

Material

- Raspberry pico
- Thonny
- Sg90 motor
- Buzz
- LED



Kickstarter project example

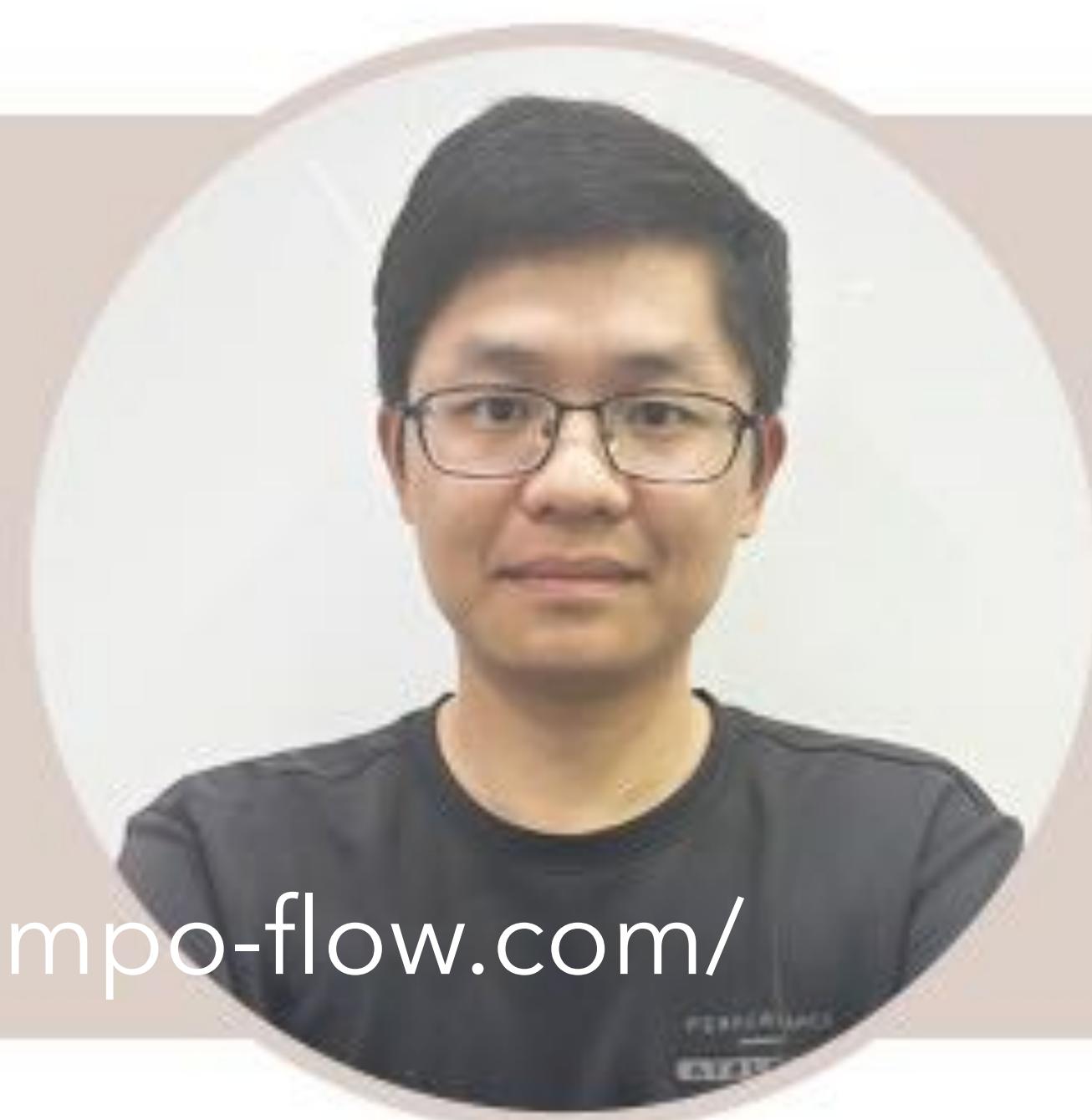
TempoFlow LightClock Pomodoro

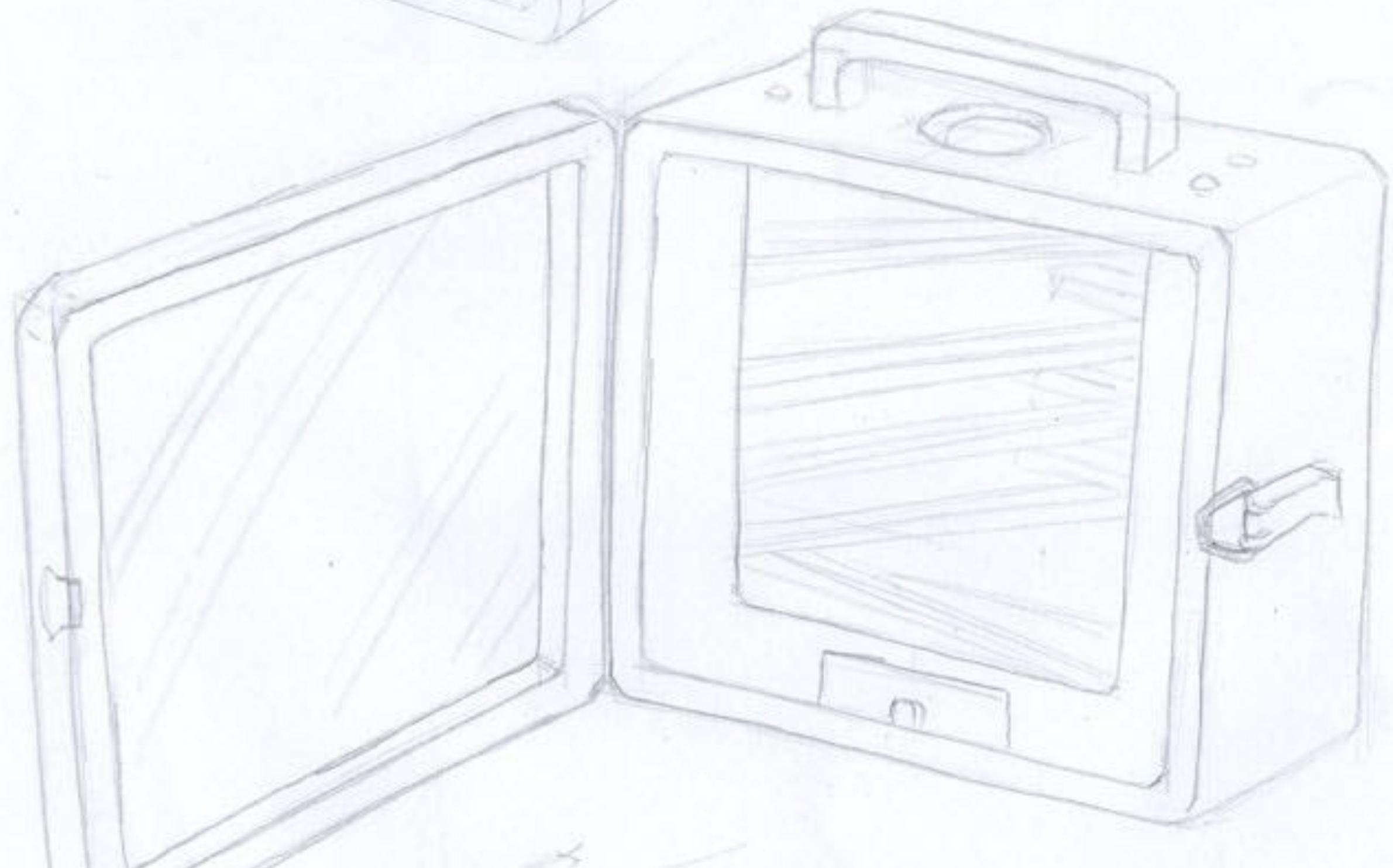
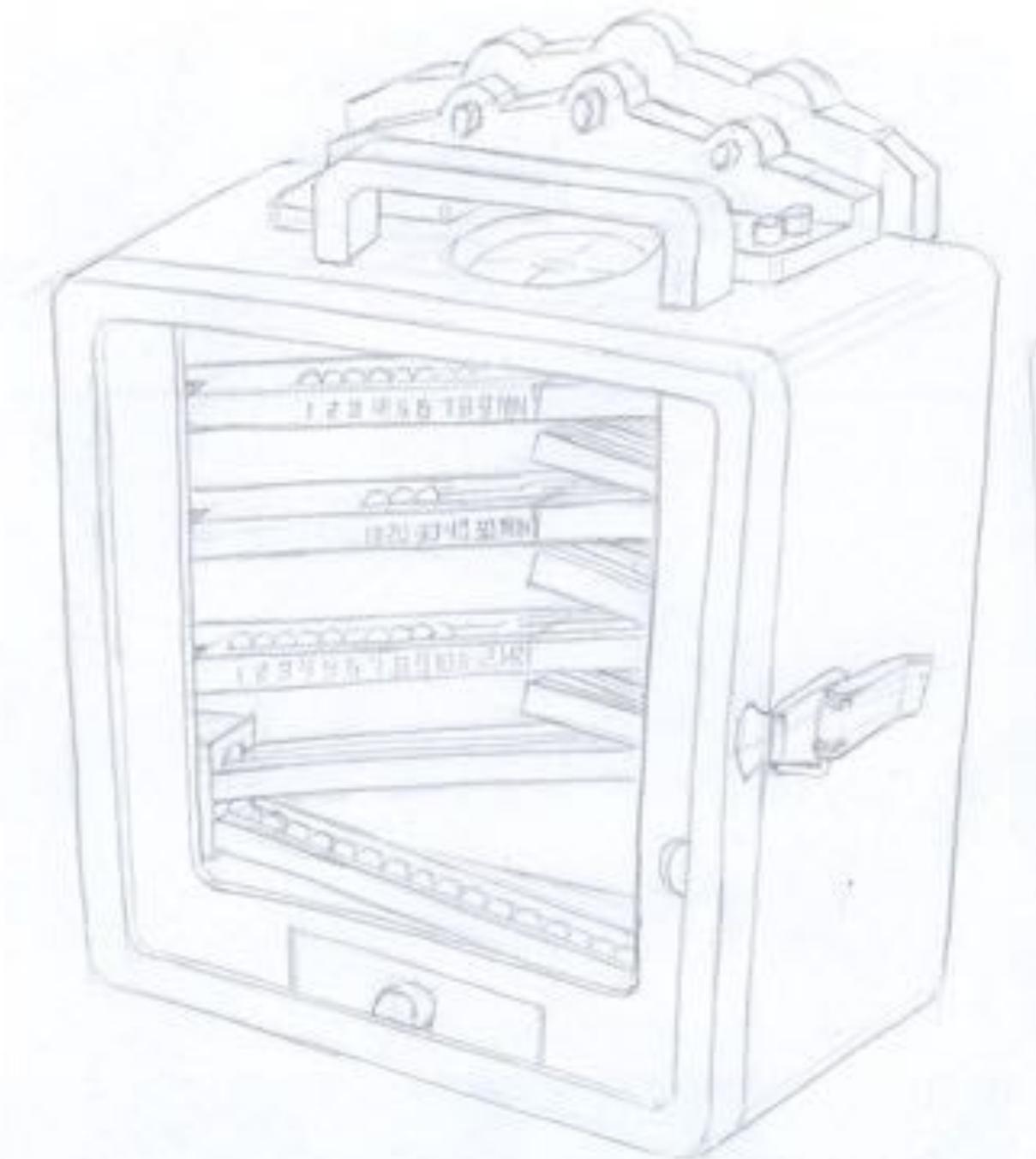
Specs



Steven LAM

<https://www.tempo-flow.com/>





Rewards

72 Hour Special

\$159

~~\$299~~
47%
Off



5 Day Special

\$169

~~\$299~~
43%
Off

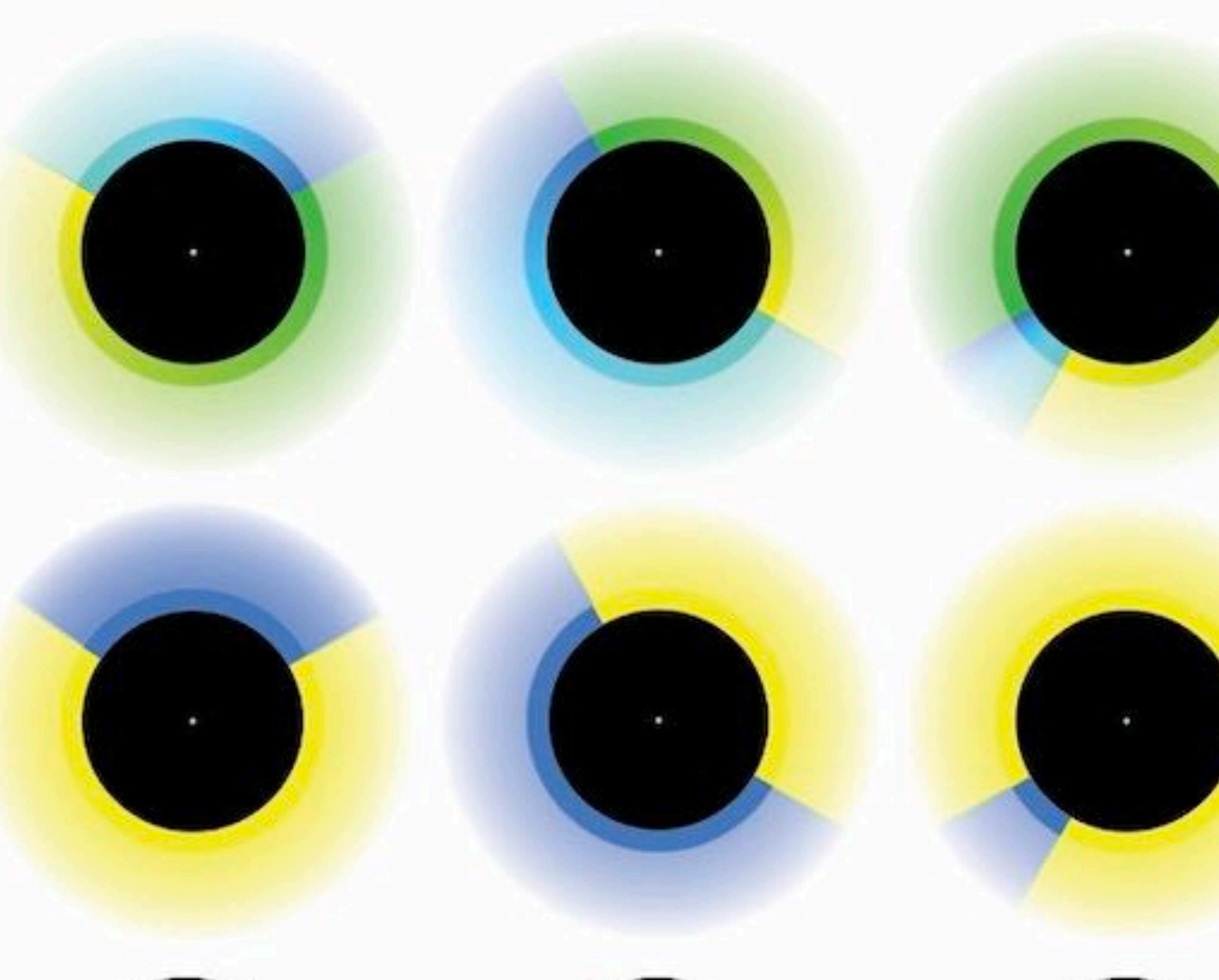


Super Early Bird

\$179

~~\$299~~
40%
Off

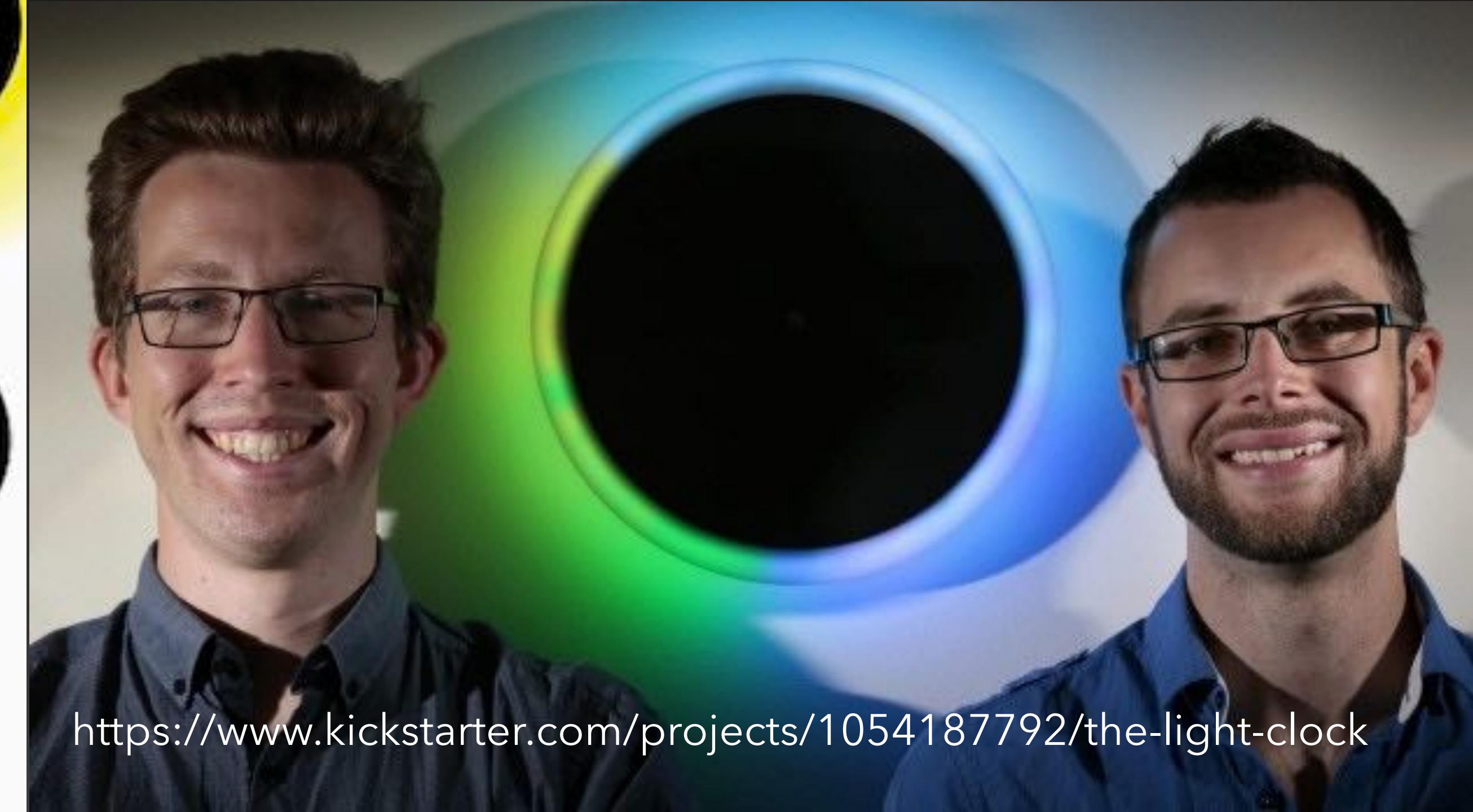




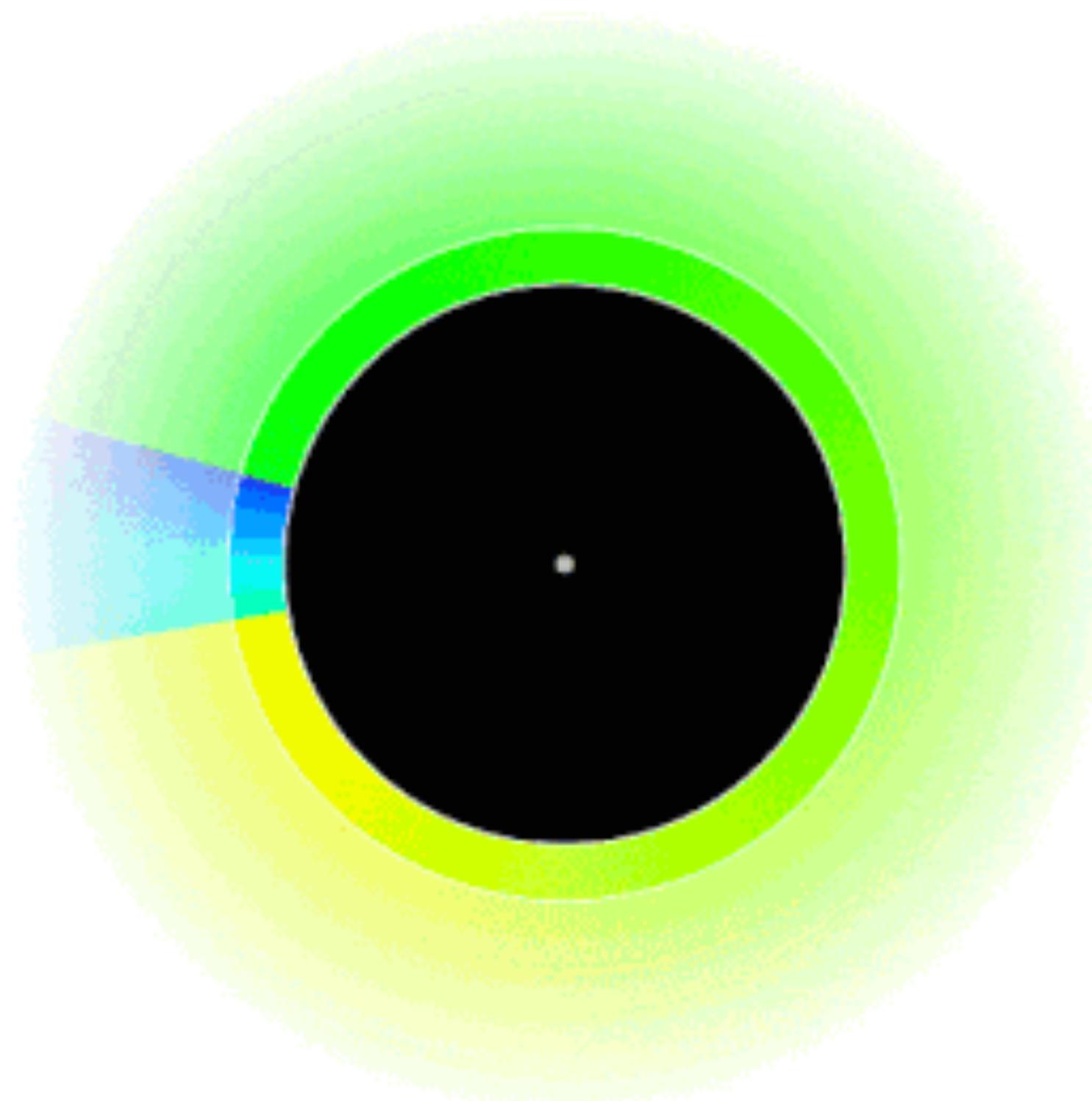
10:10

4:55

7:40



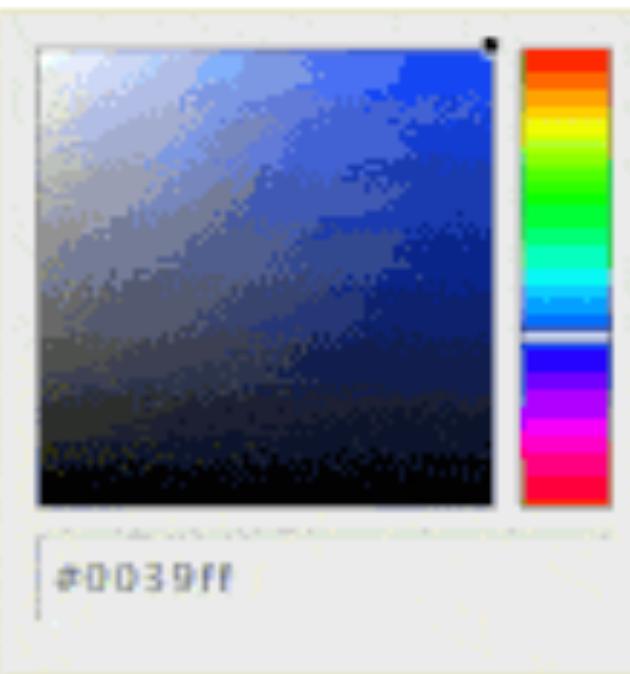
<https://www.kickstarter.com/projects/1054187792/the-light-clock>



Hour Colour

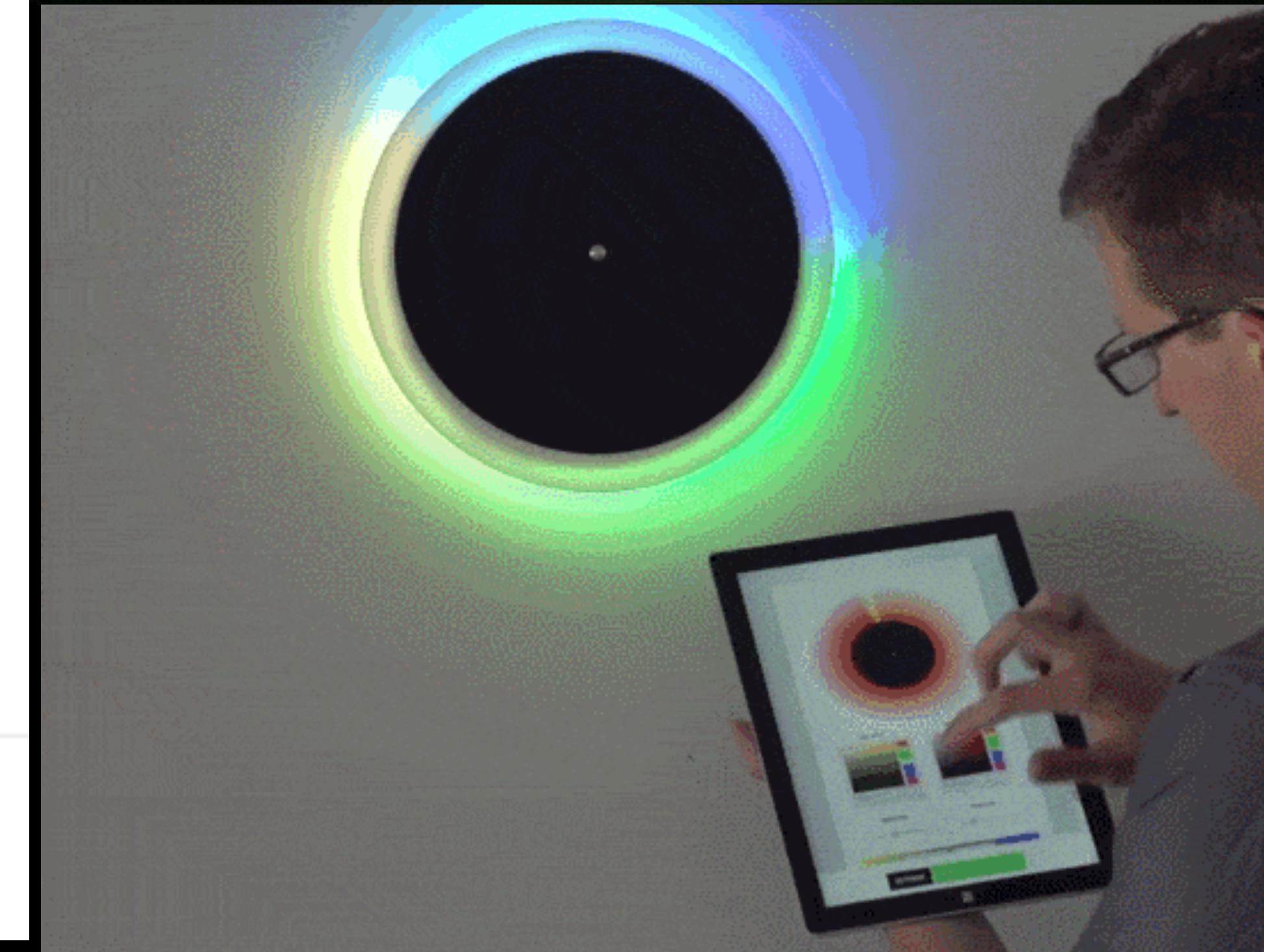
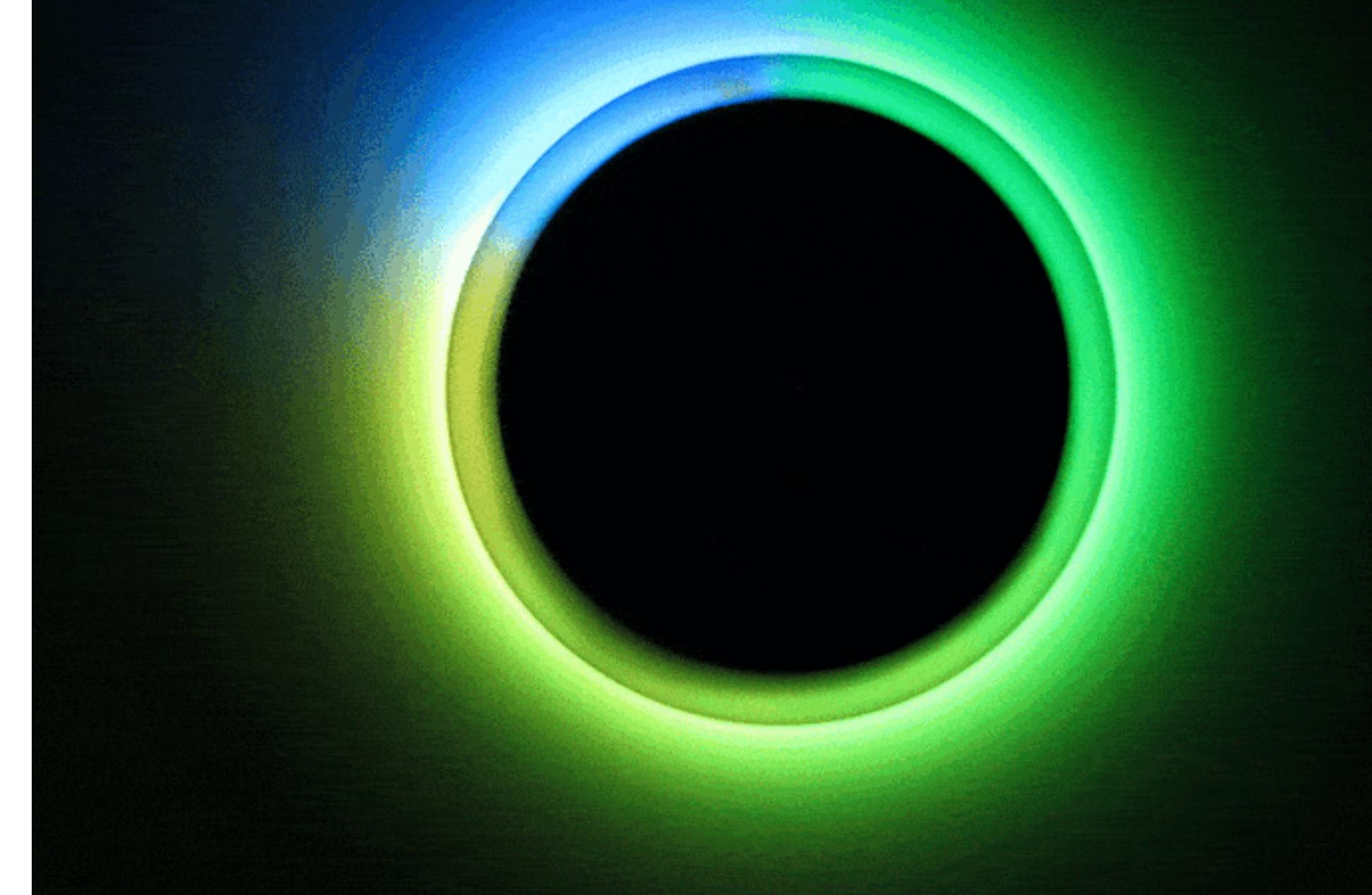


Minute Colour



SETTINGS

UPDATE THE LIGHT CLOCK





Founder / PM
Rachel



Business Developer
Shaun



Product Manager
Doo



Hardware Engineer
Steve



UI/UX Designer
Mari



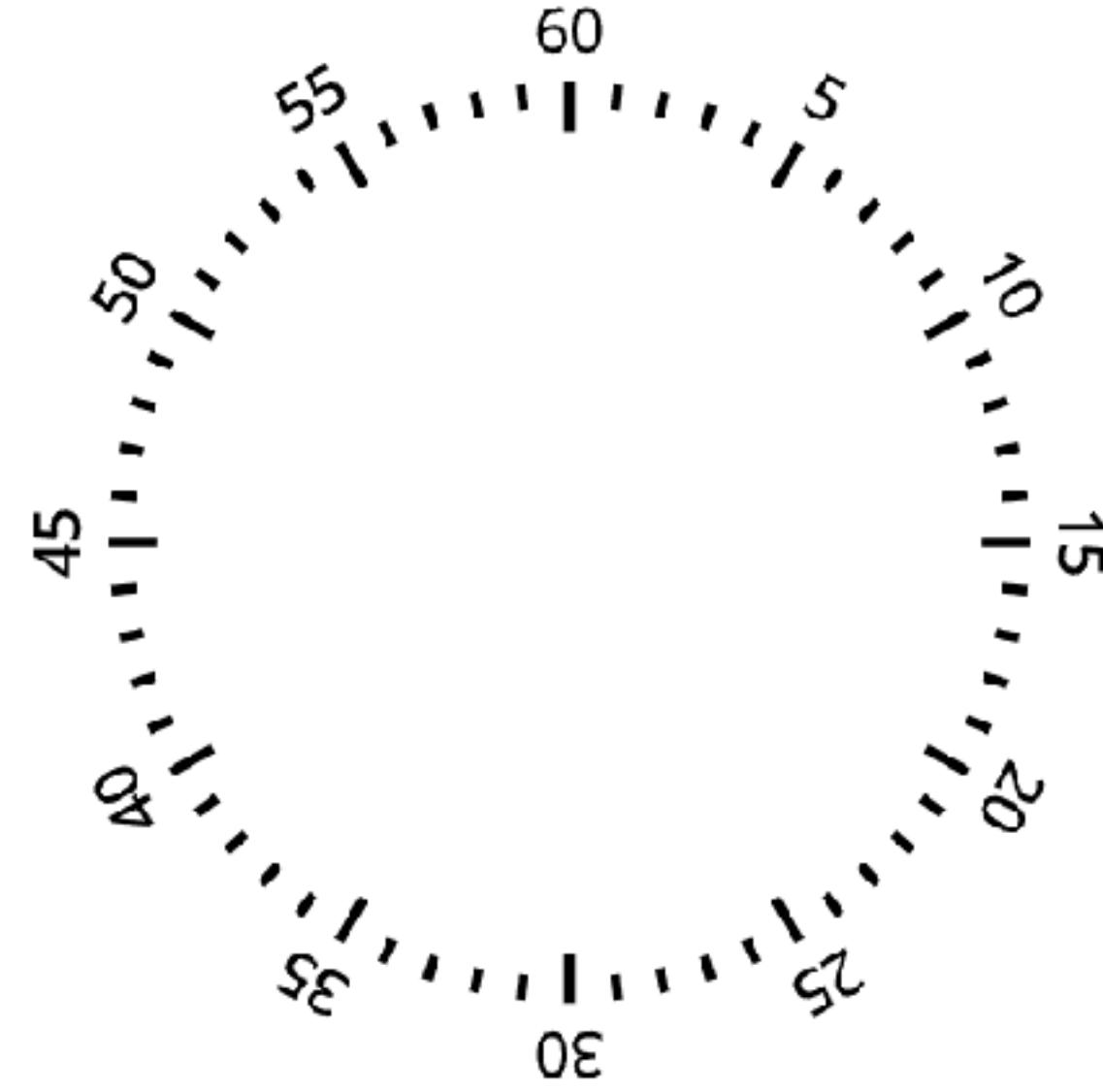
Software Engineer
SY Yun



Marketer
Lennie



Manufacturing QC
Zinna



Focus time

Break time

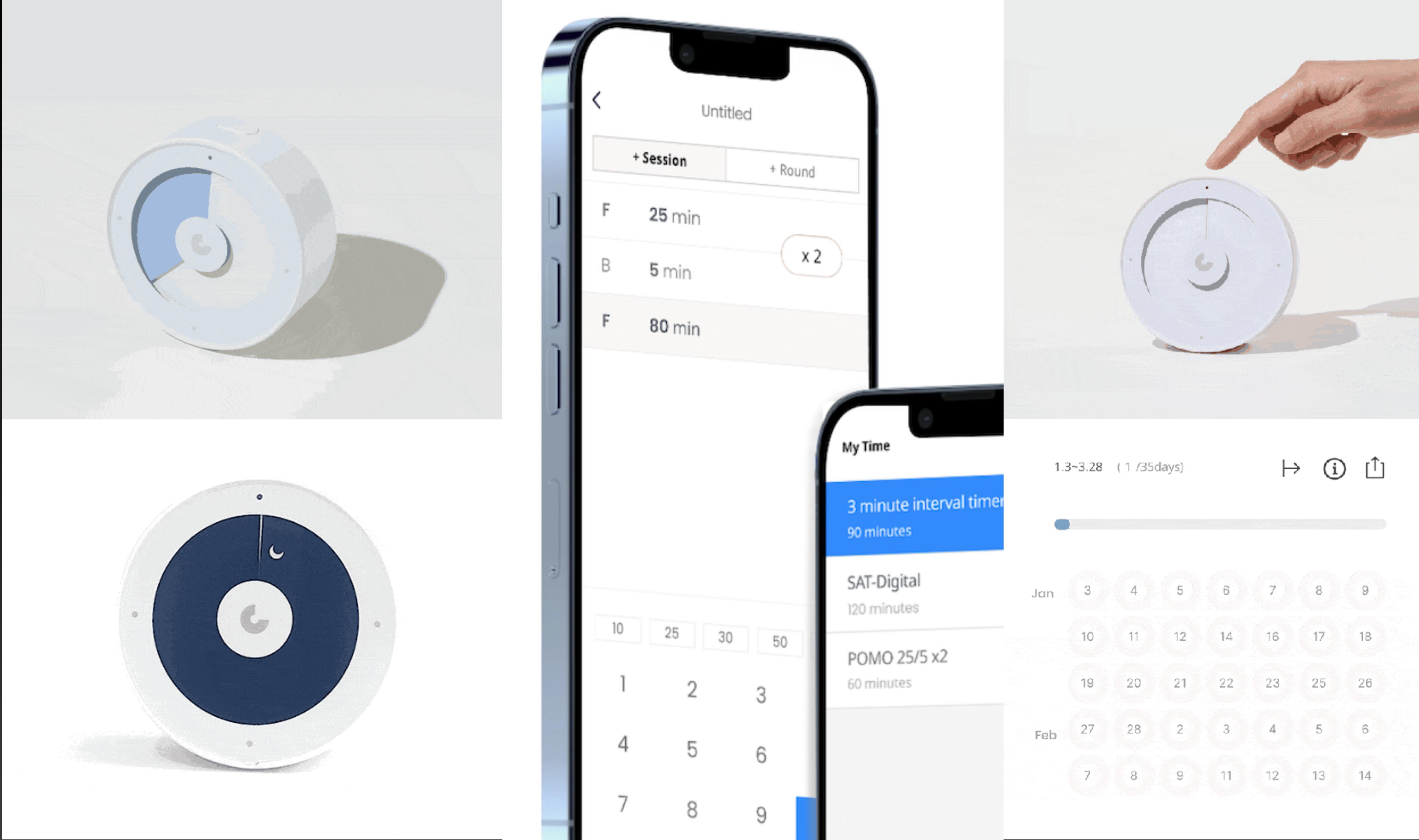
timer 4



minee 3



<https://www.kickstarter.com/projects/minee/minee-habit-tracking-pomodoro-timer-kit-for-your-goal>



課程素材

GitHub: picoCountdowner

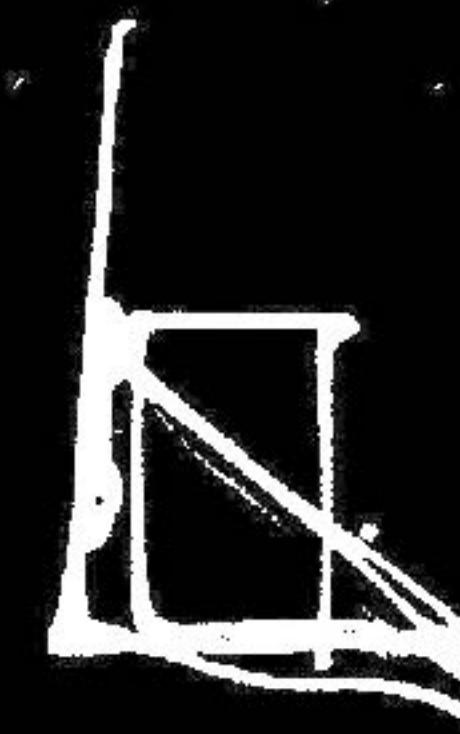
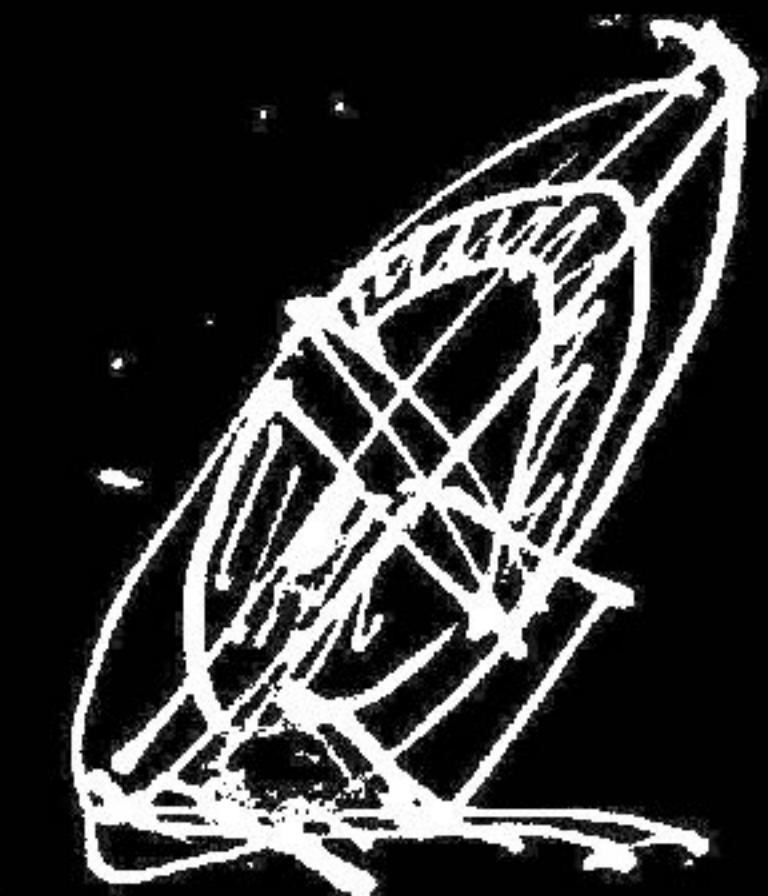
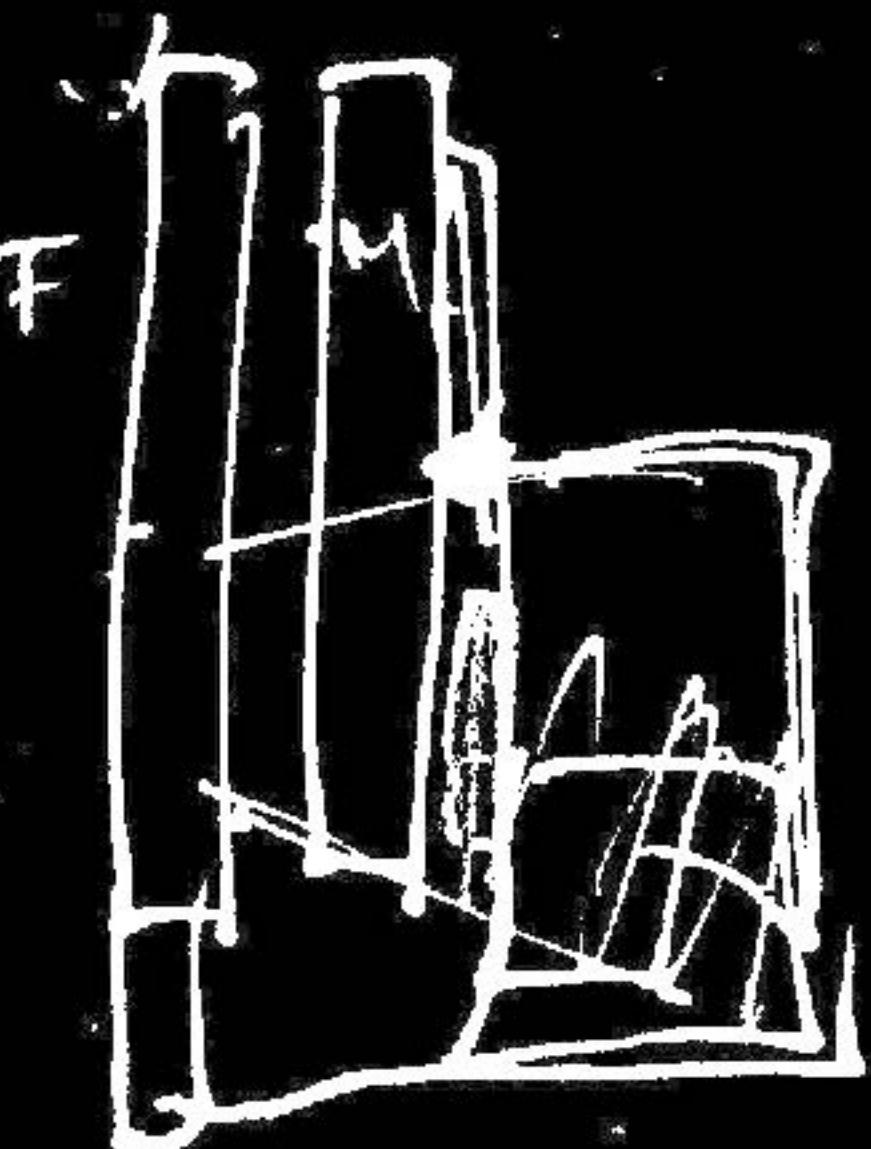
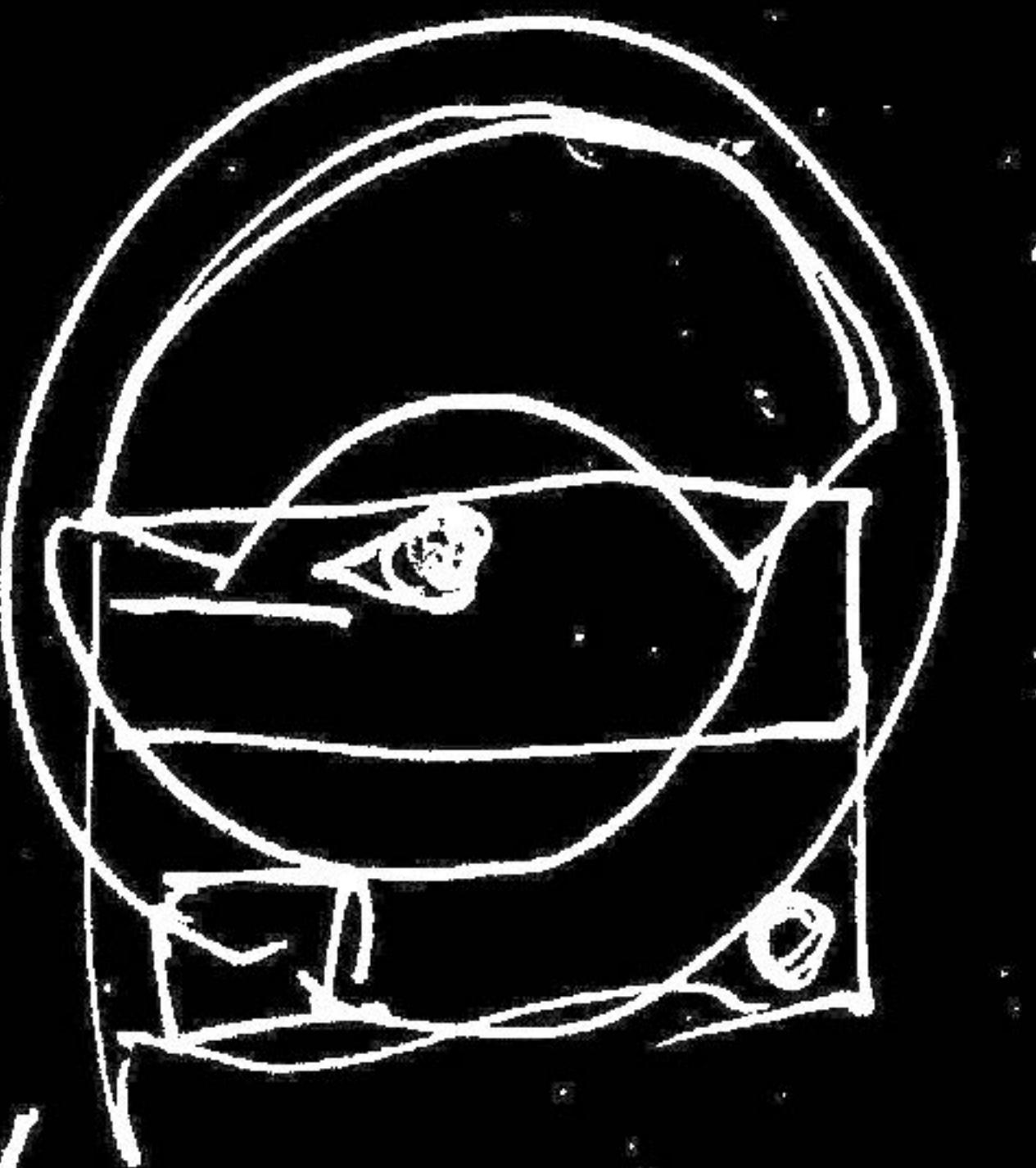
github.com/chyijiunn/picoCountdowner



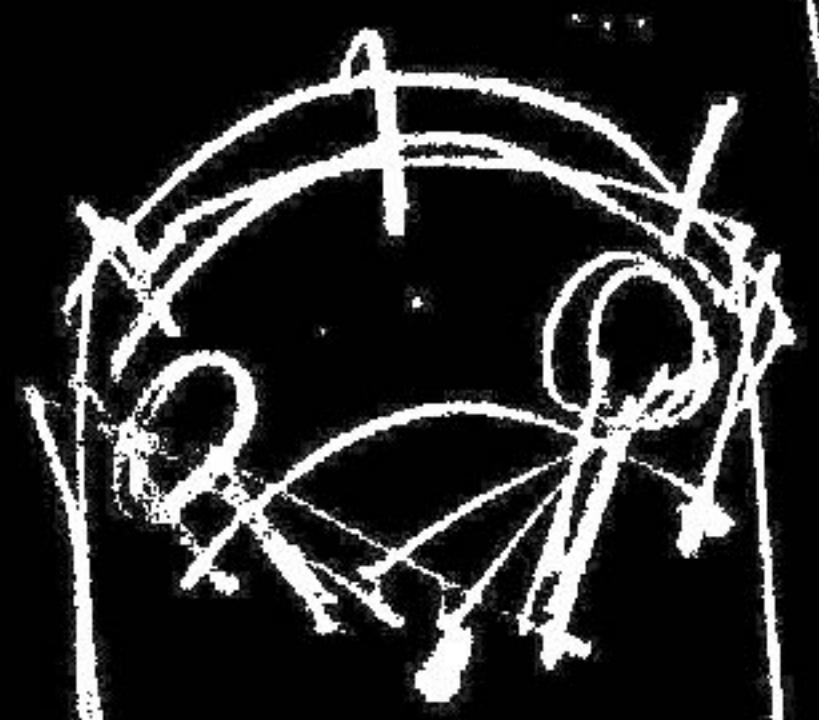
± 30°

15 min. to
60°

Start

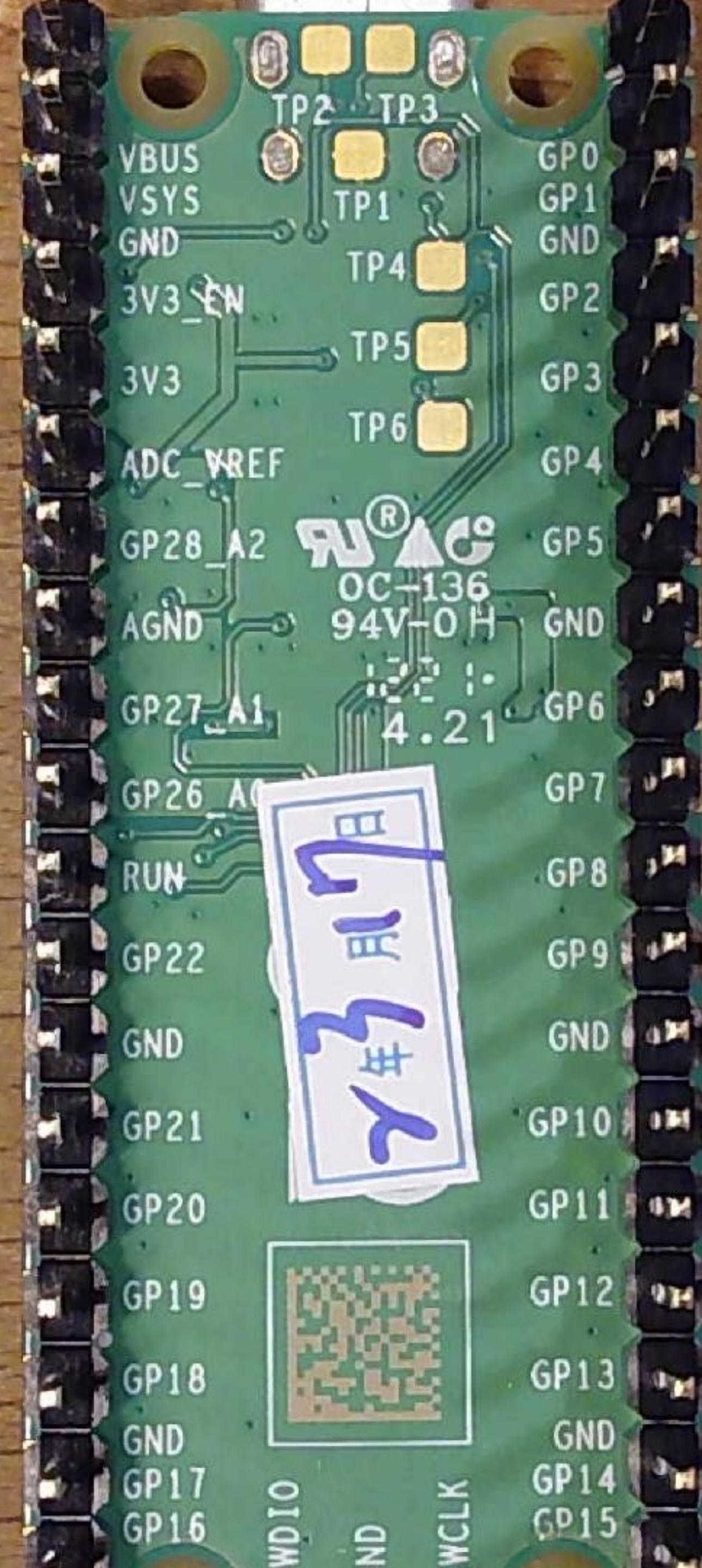


if

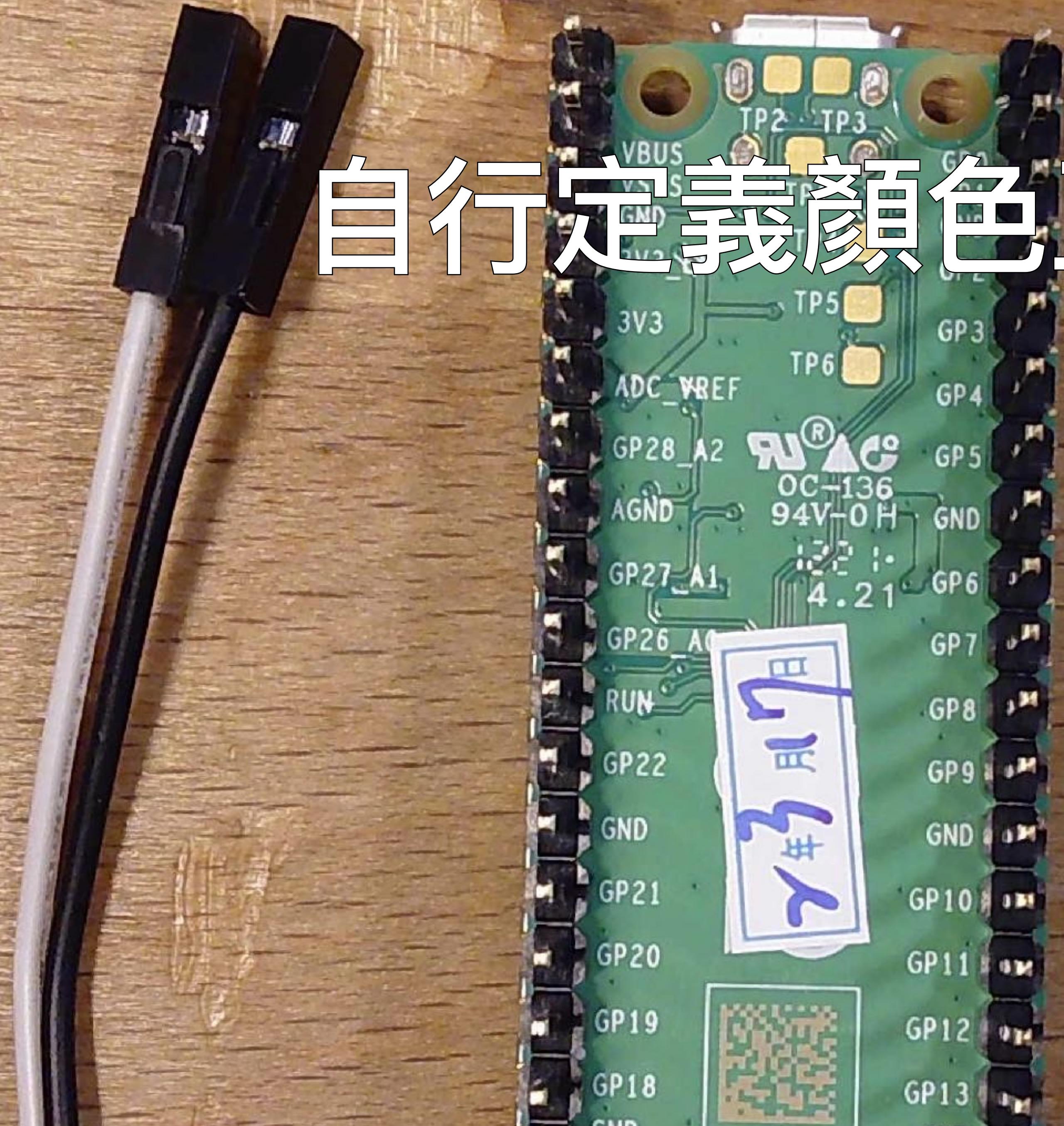


2.

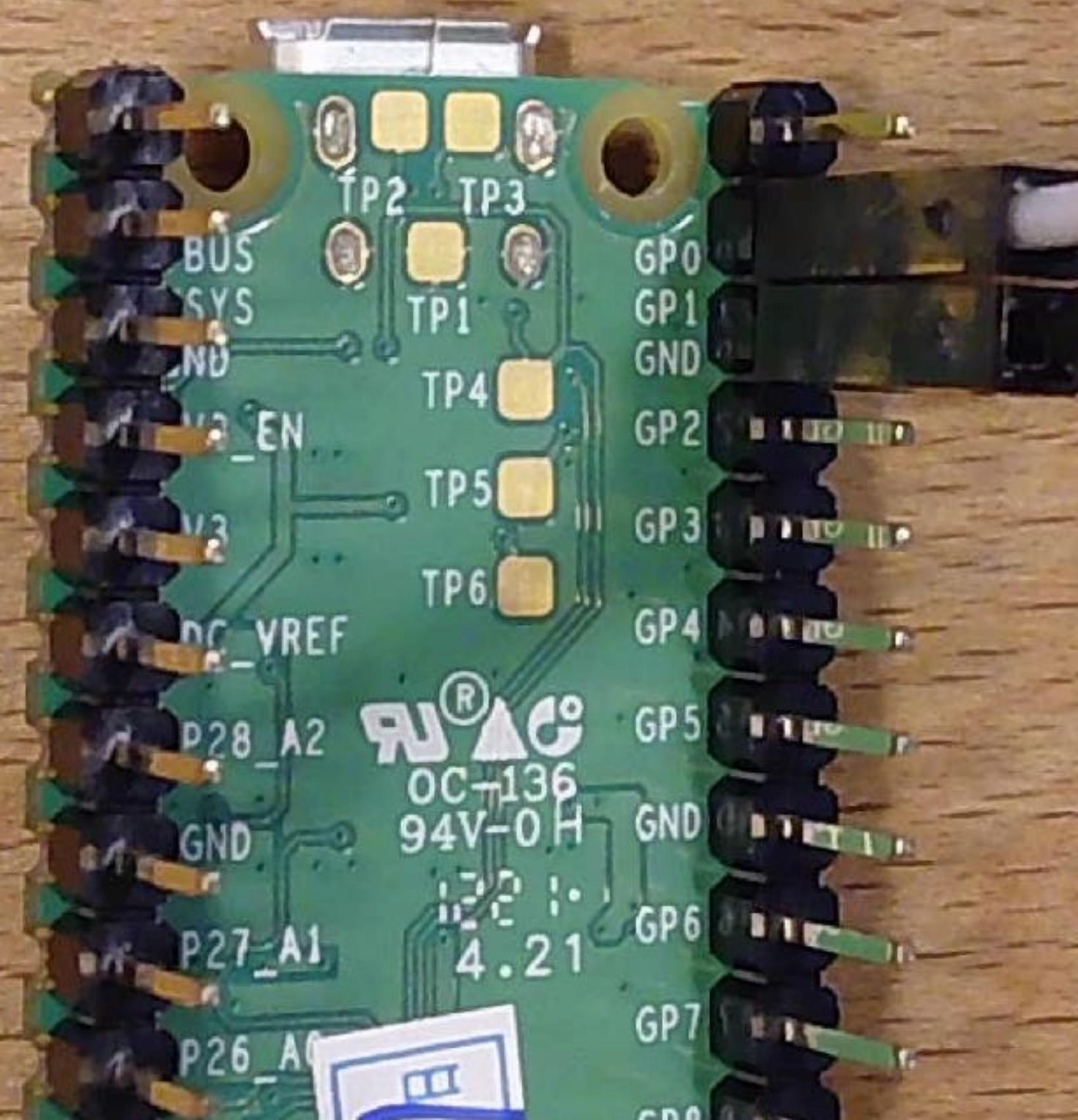




自行定義顏色正負



正極接 GP1，負極接 GND



LED 長腳接正極，短腳接負極



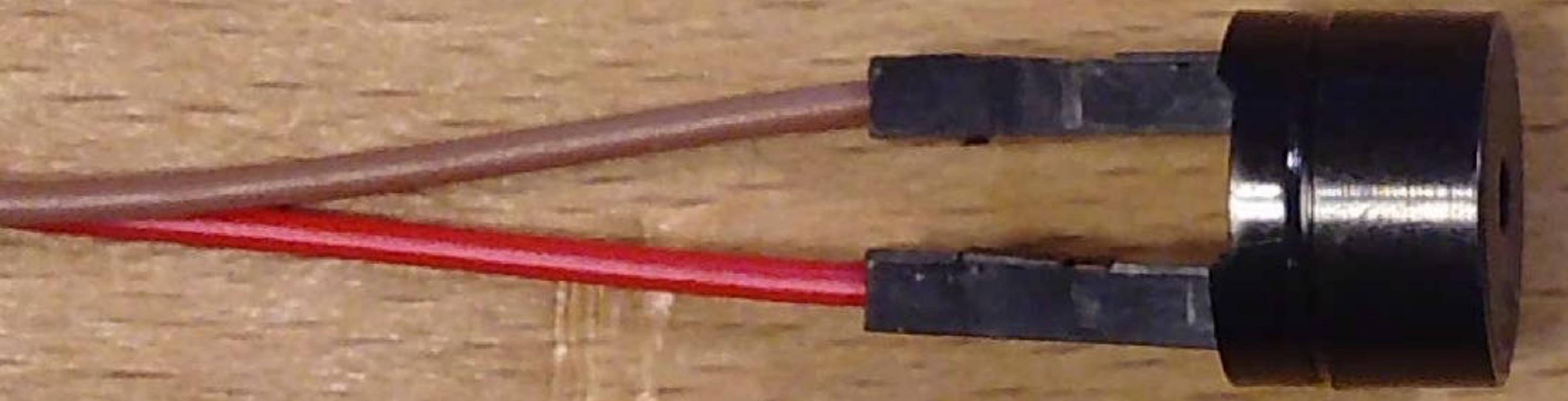


接喇叭用
正極接 GP14，負極接 GND



喇叭也分正負

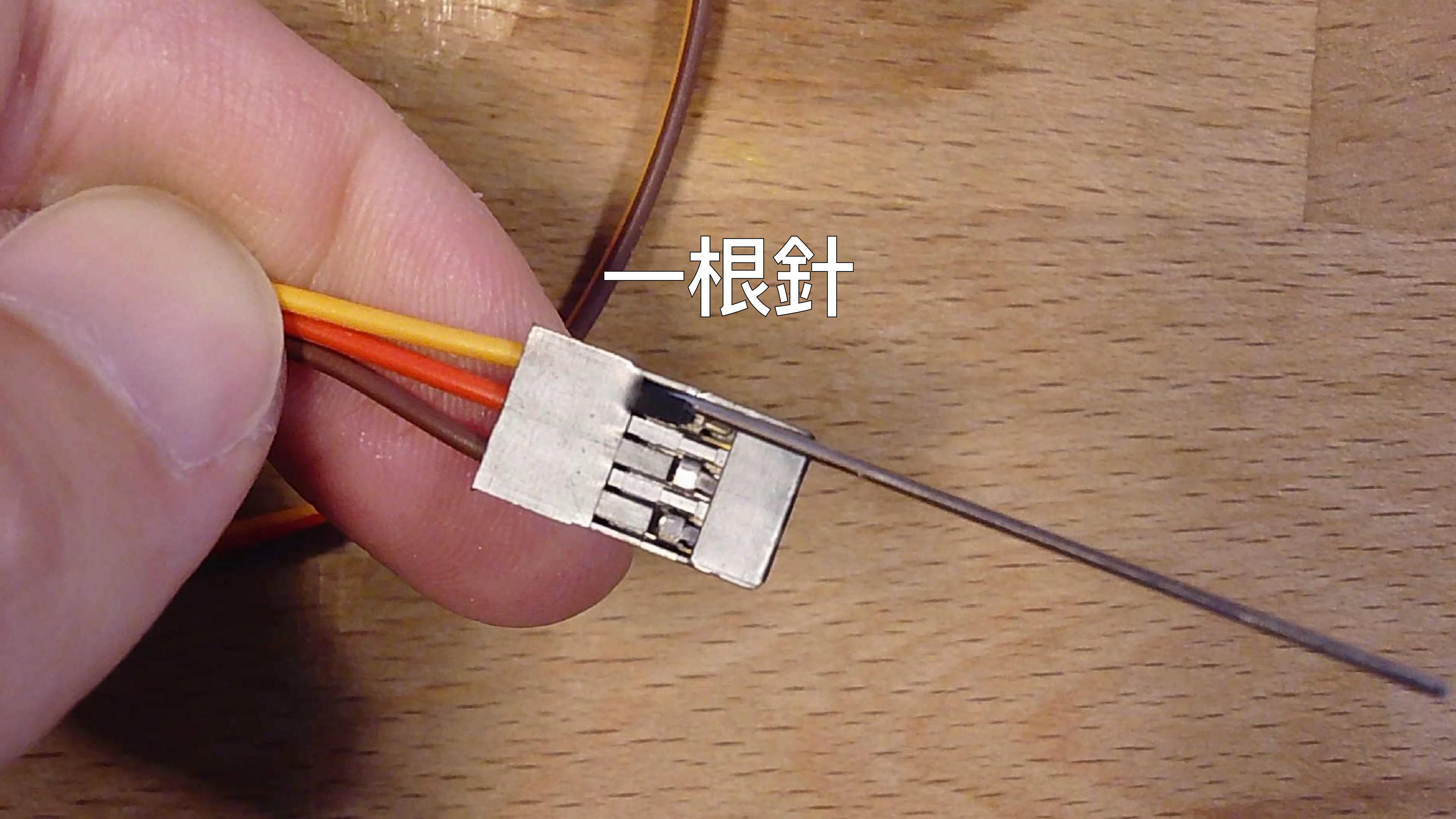




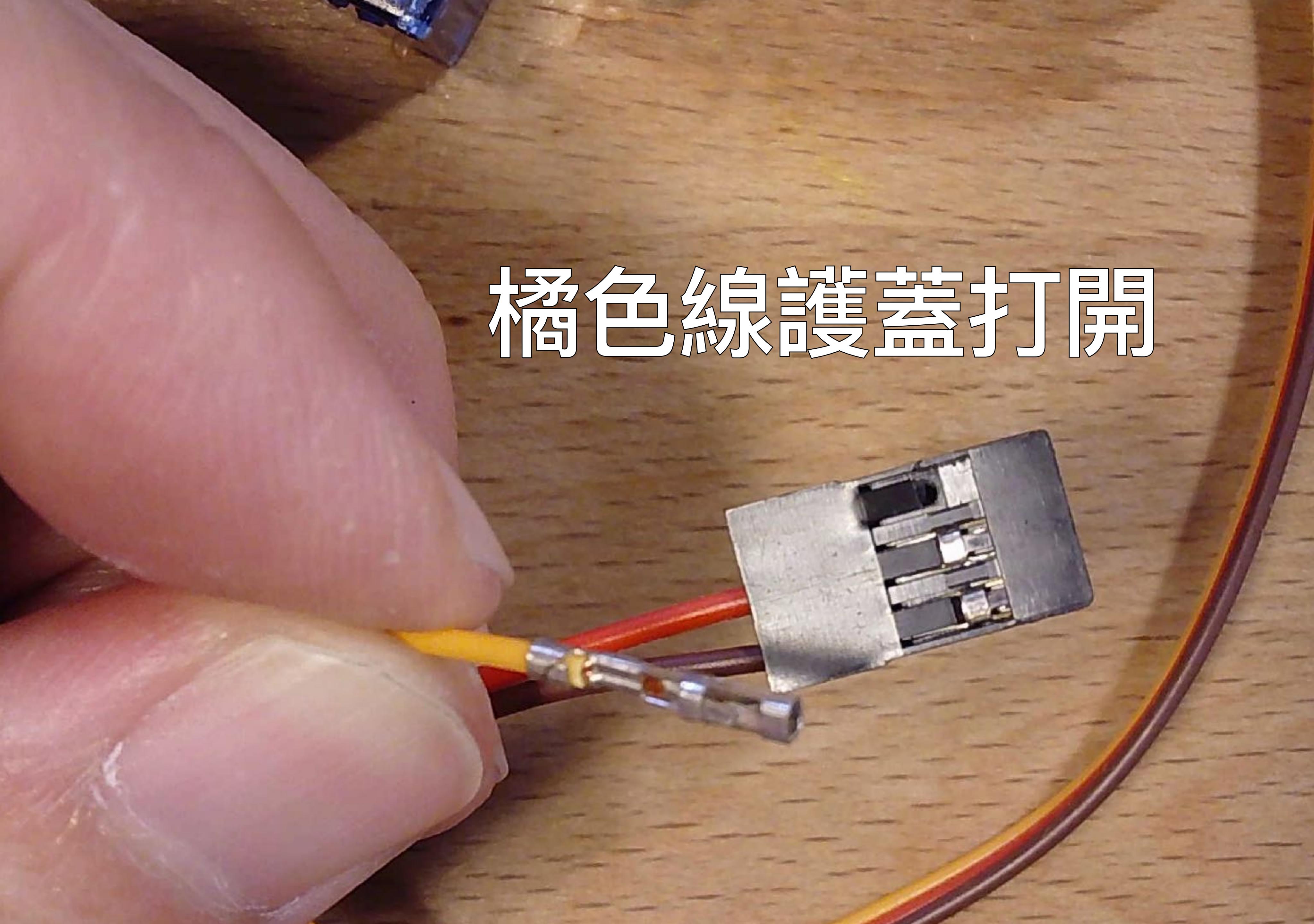
認識馬達



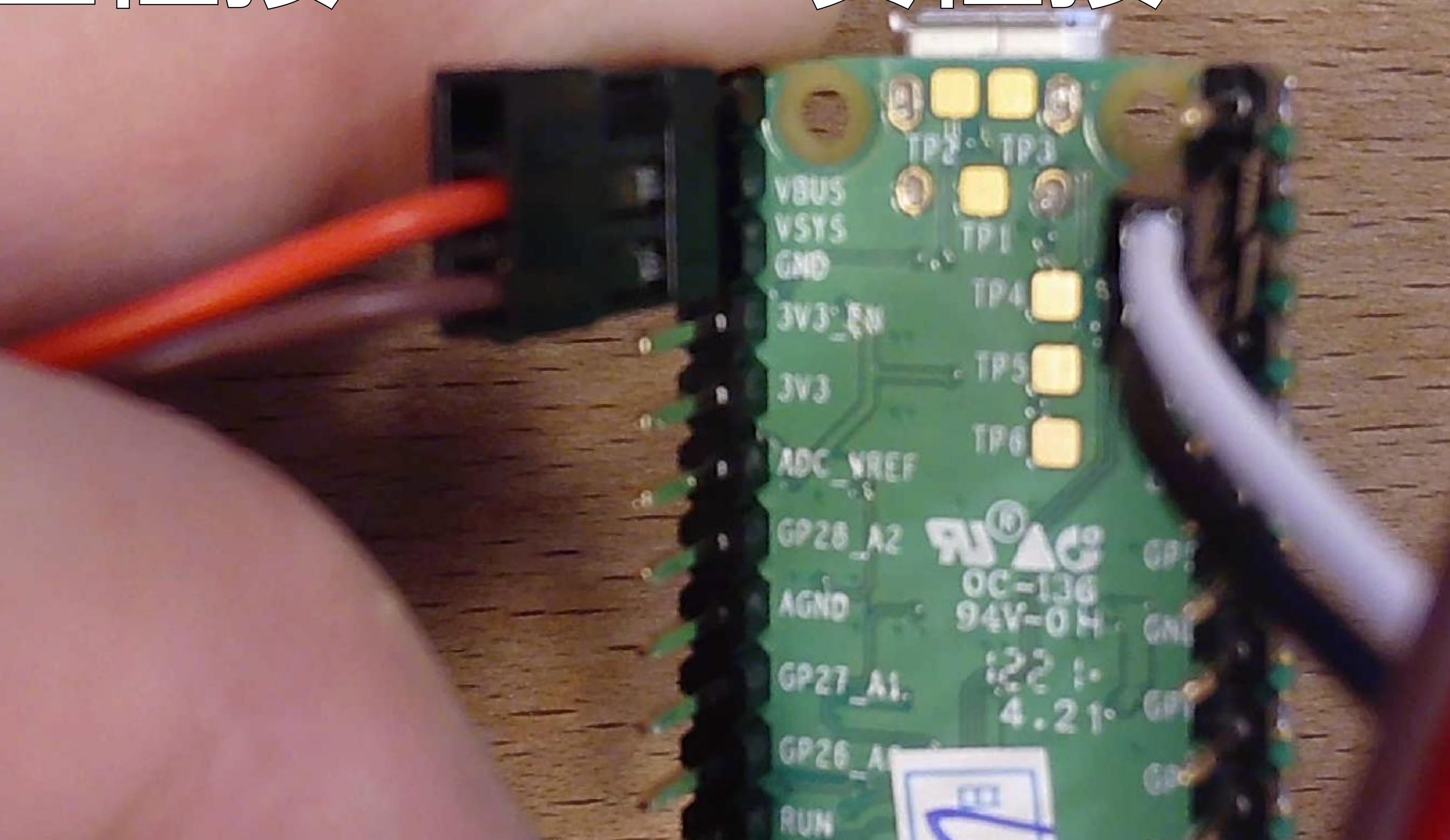
一根針



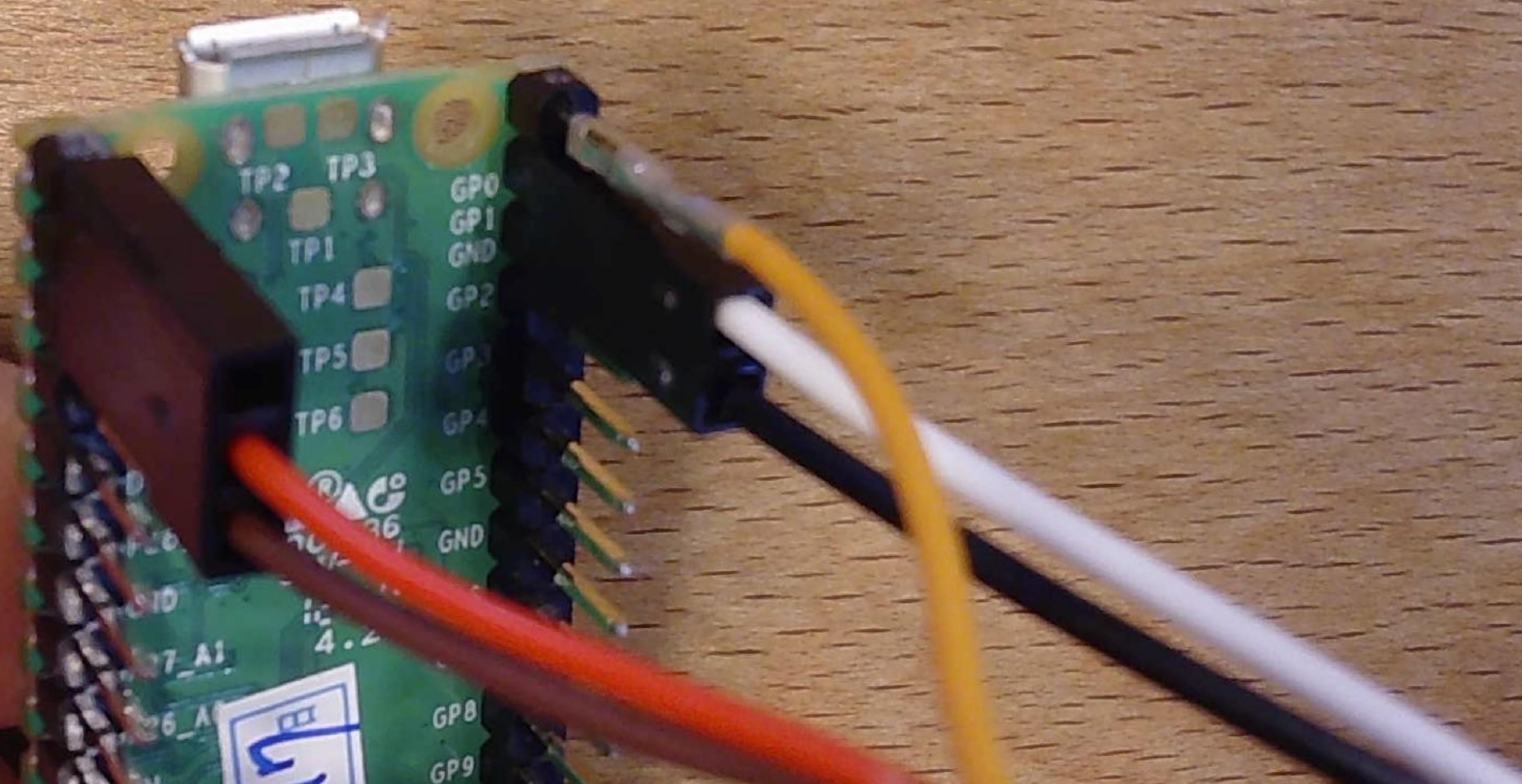
橘色線護蓋打開



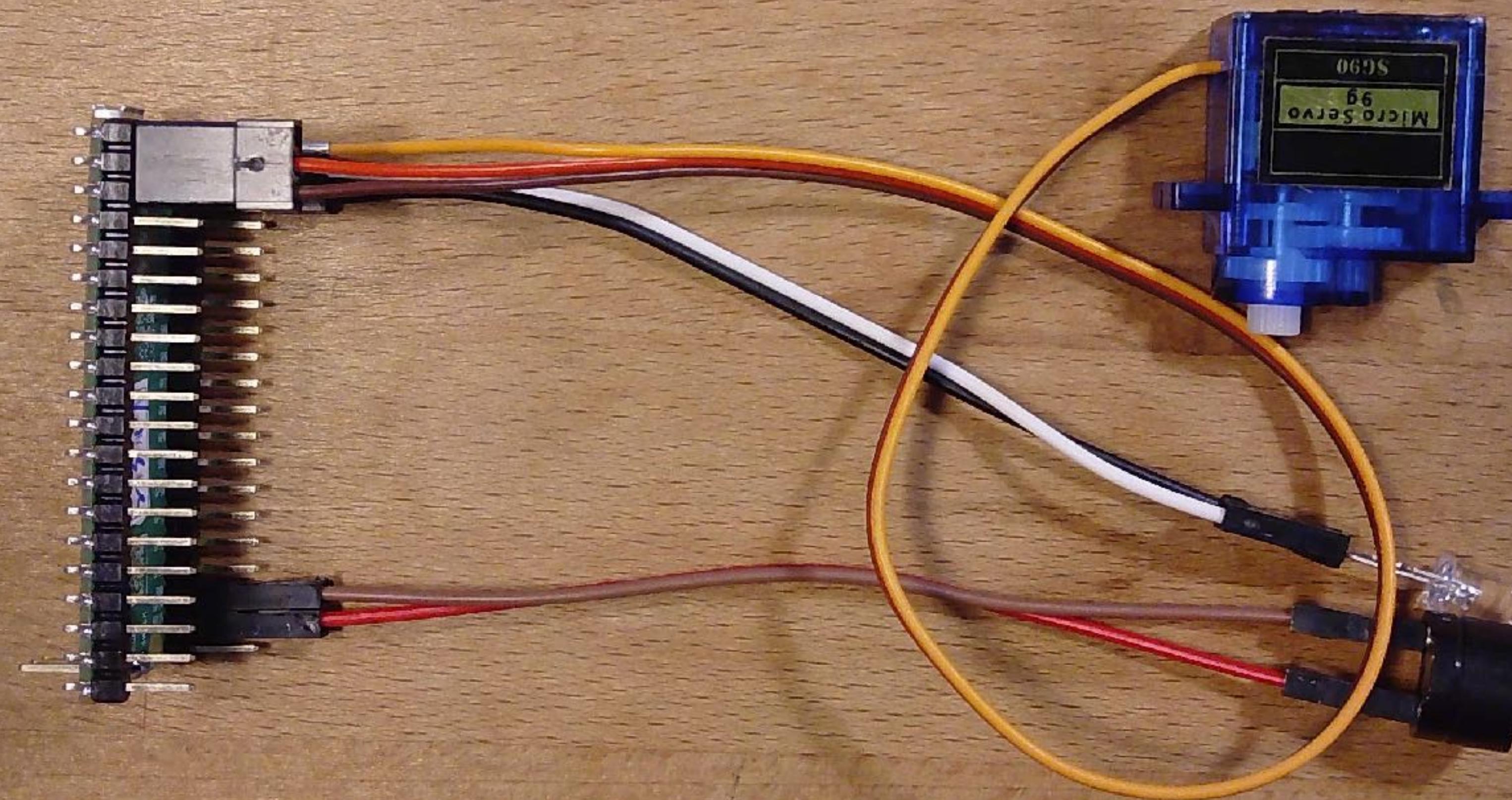
正極接 VSYS，負極接 GND



橘色線接 GP0



全部接完的樣子



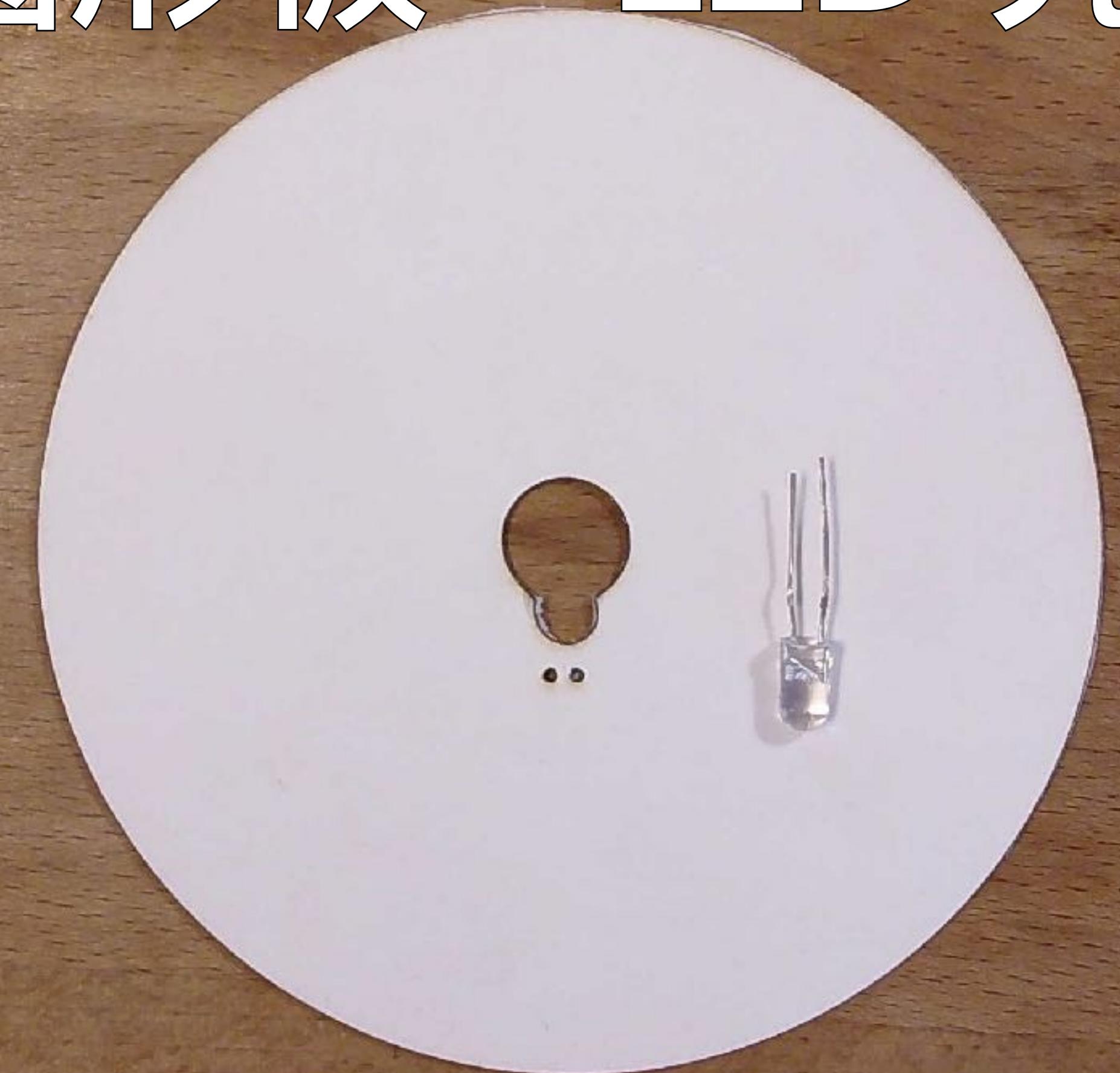
硬體測試

chyijiunn

外殼組裝

chyijiunn

取出圓形板，LED 先拔下



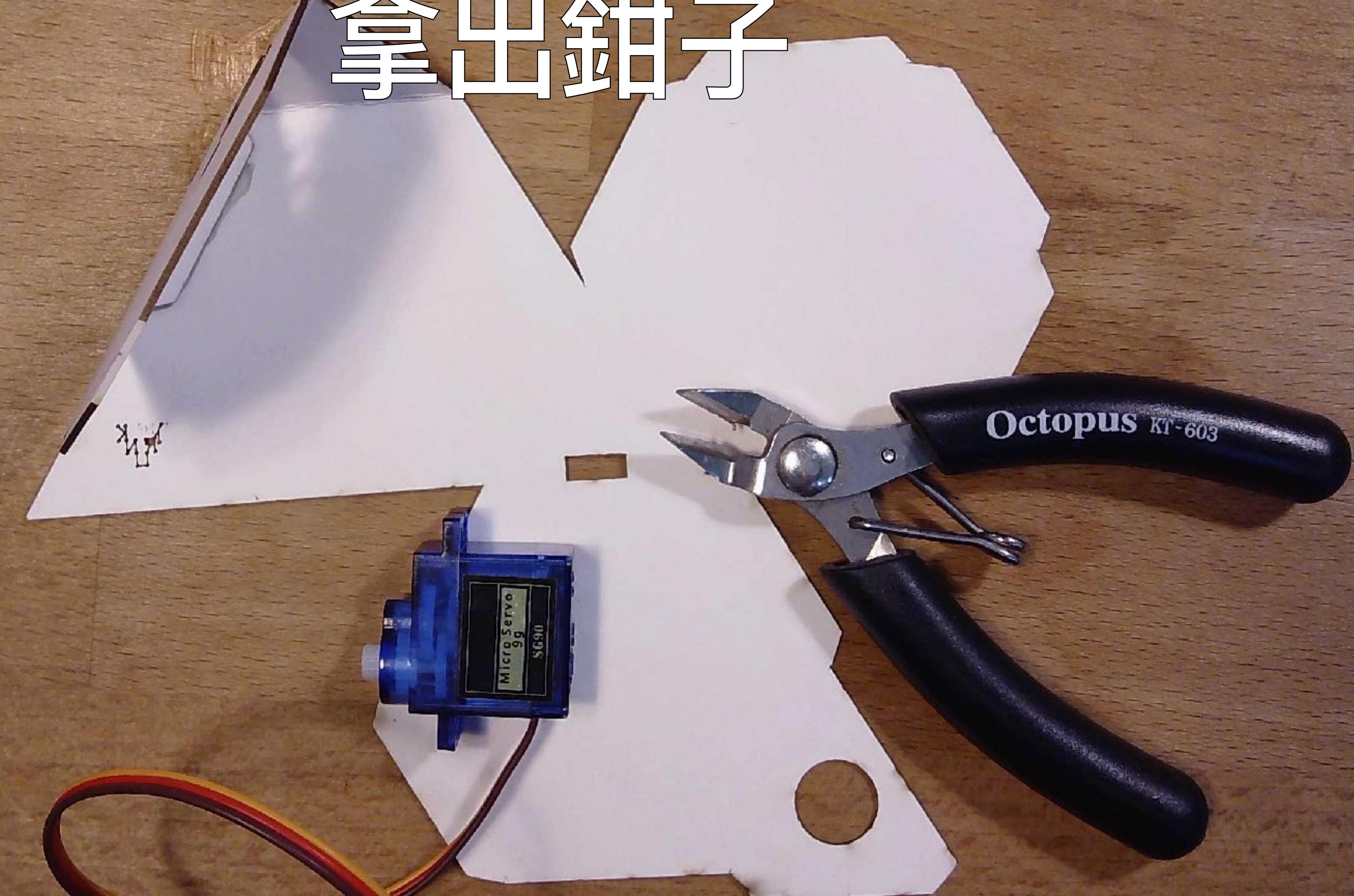
找到一樣形狀的地方
取出圓形板在外，貼合



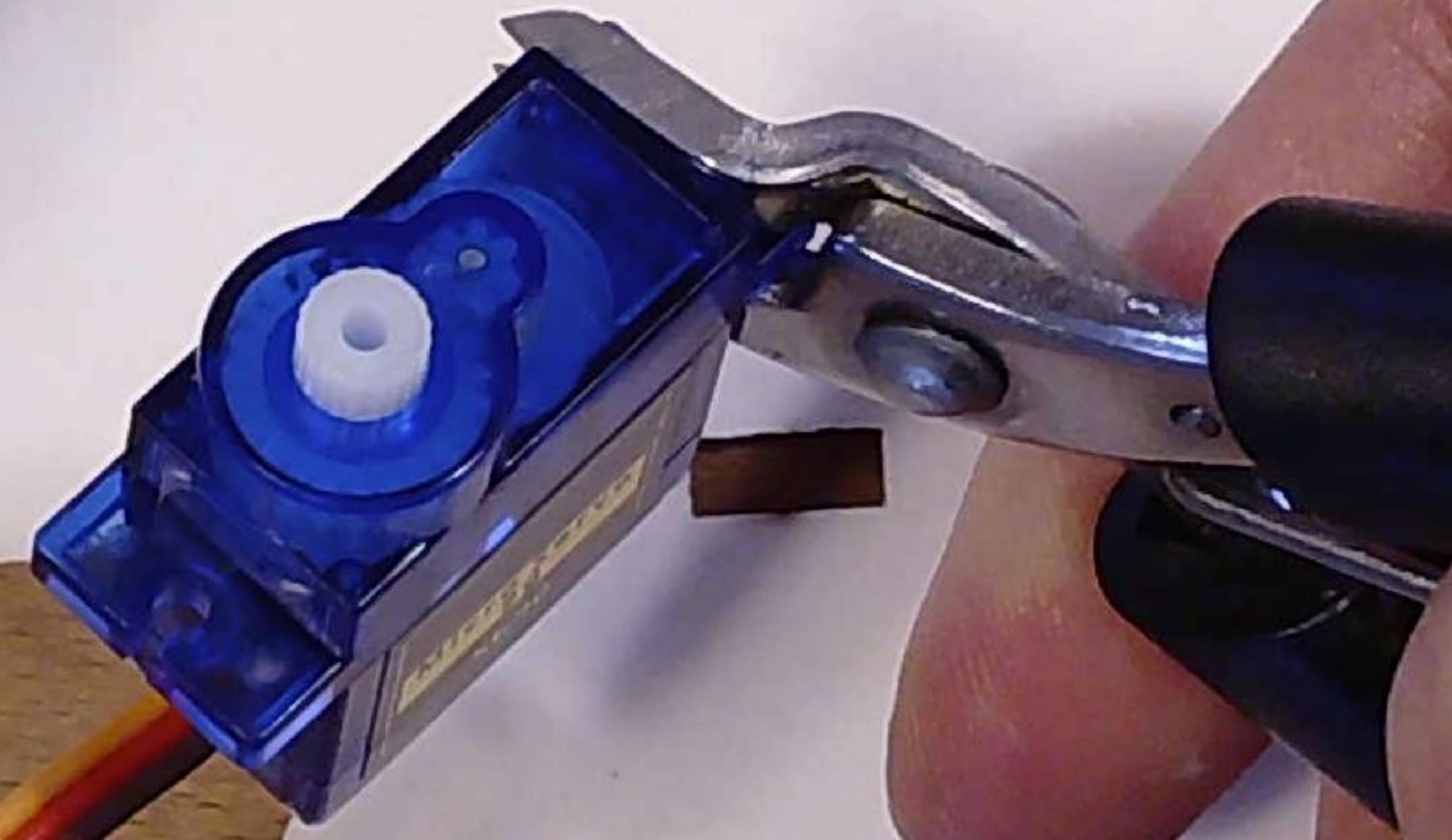
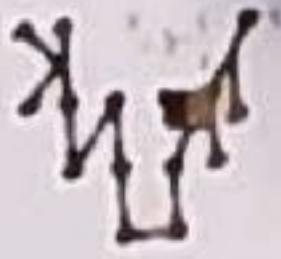
塞入 LED，腳往下折



拿出鉗子



剪斷馬達的兩個耳朵



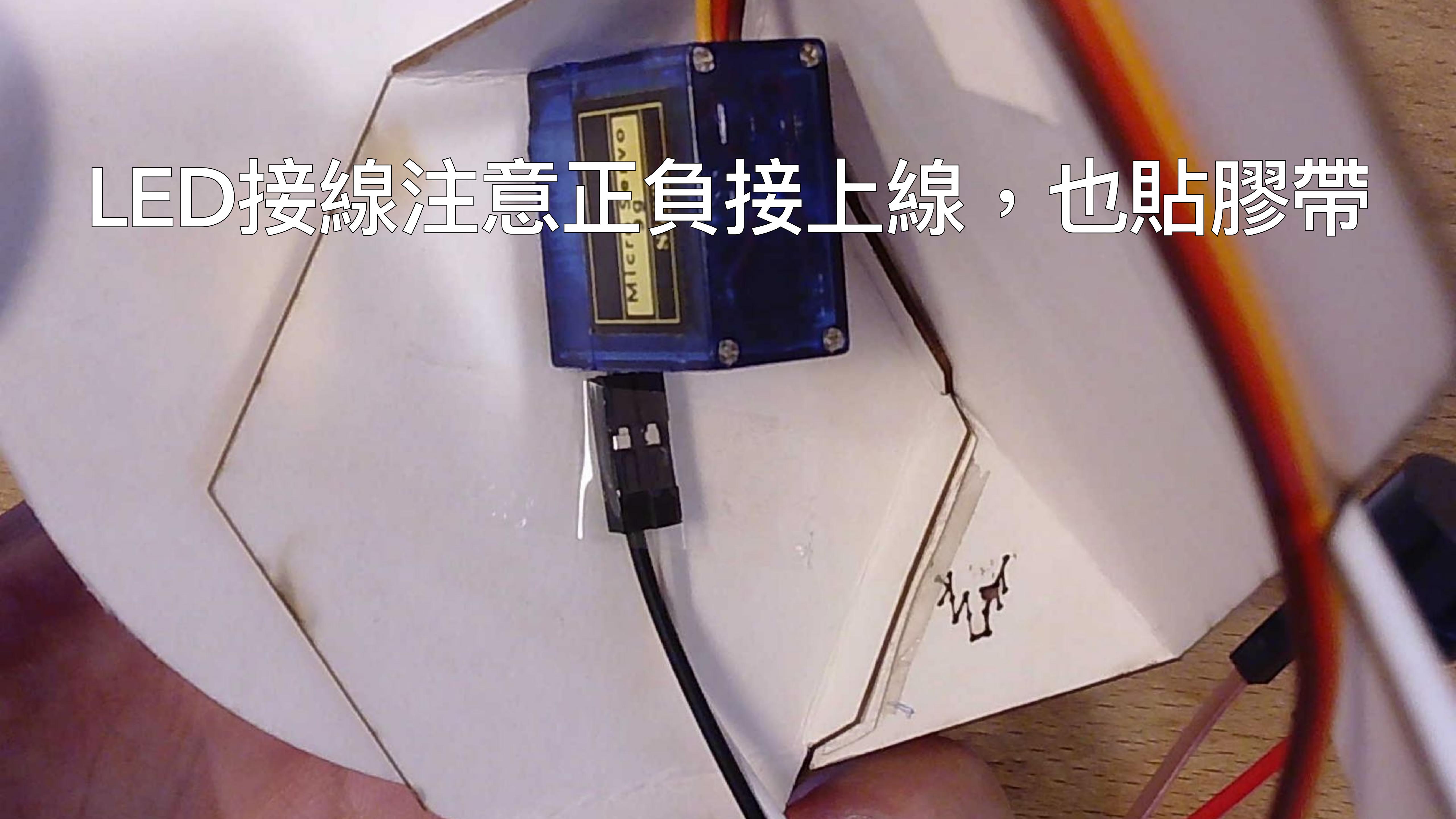
馬達黏上去



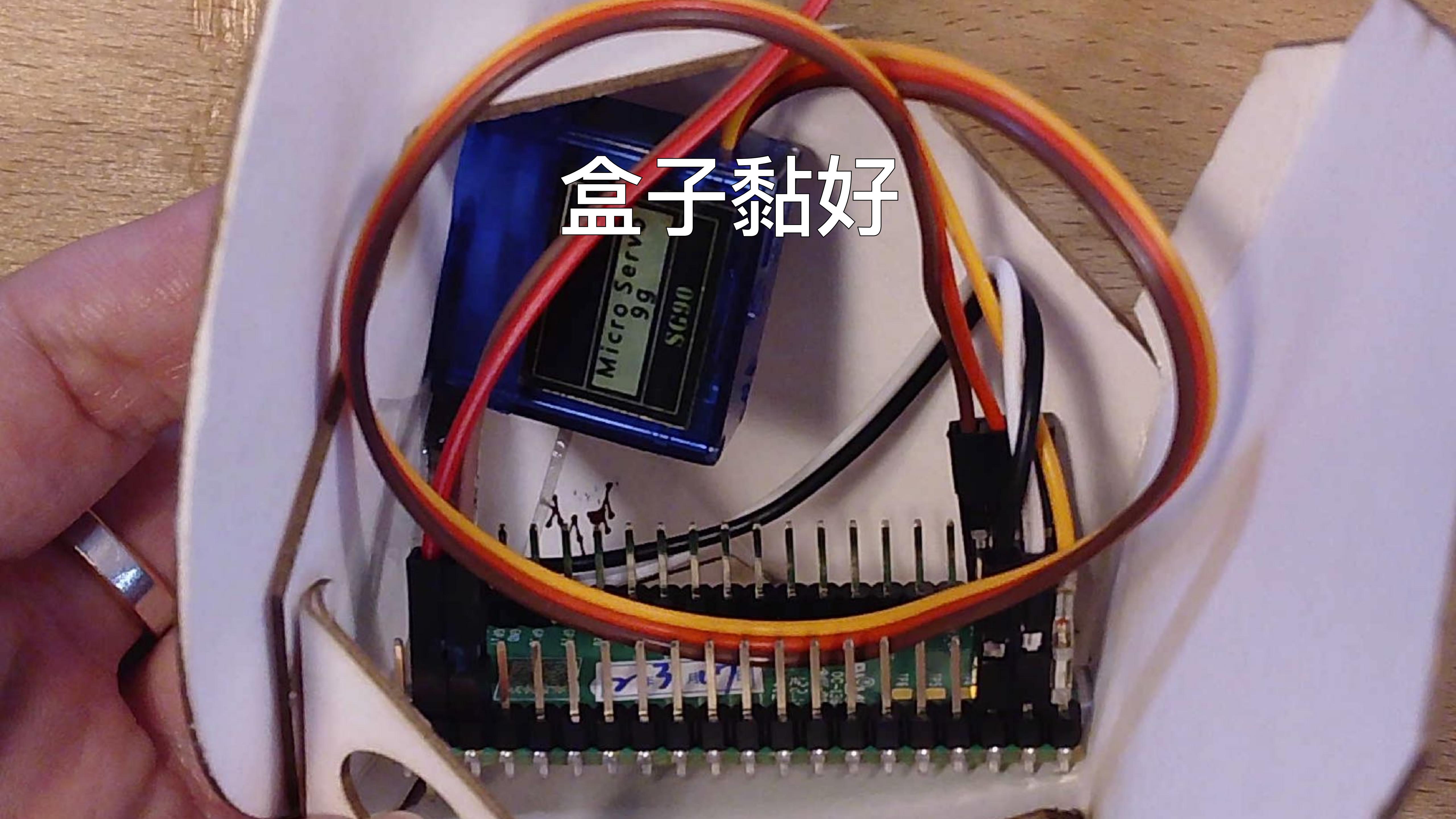
LED貼透明膠帶



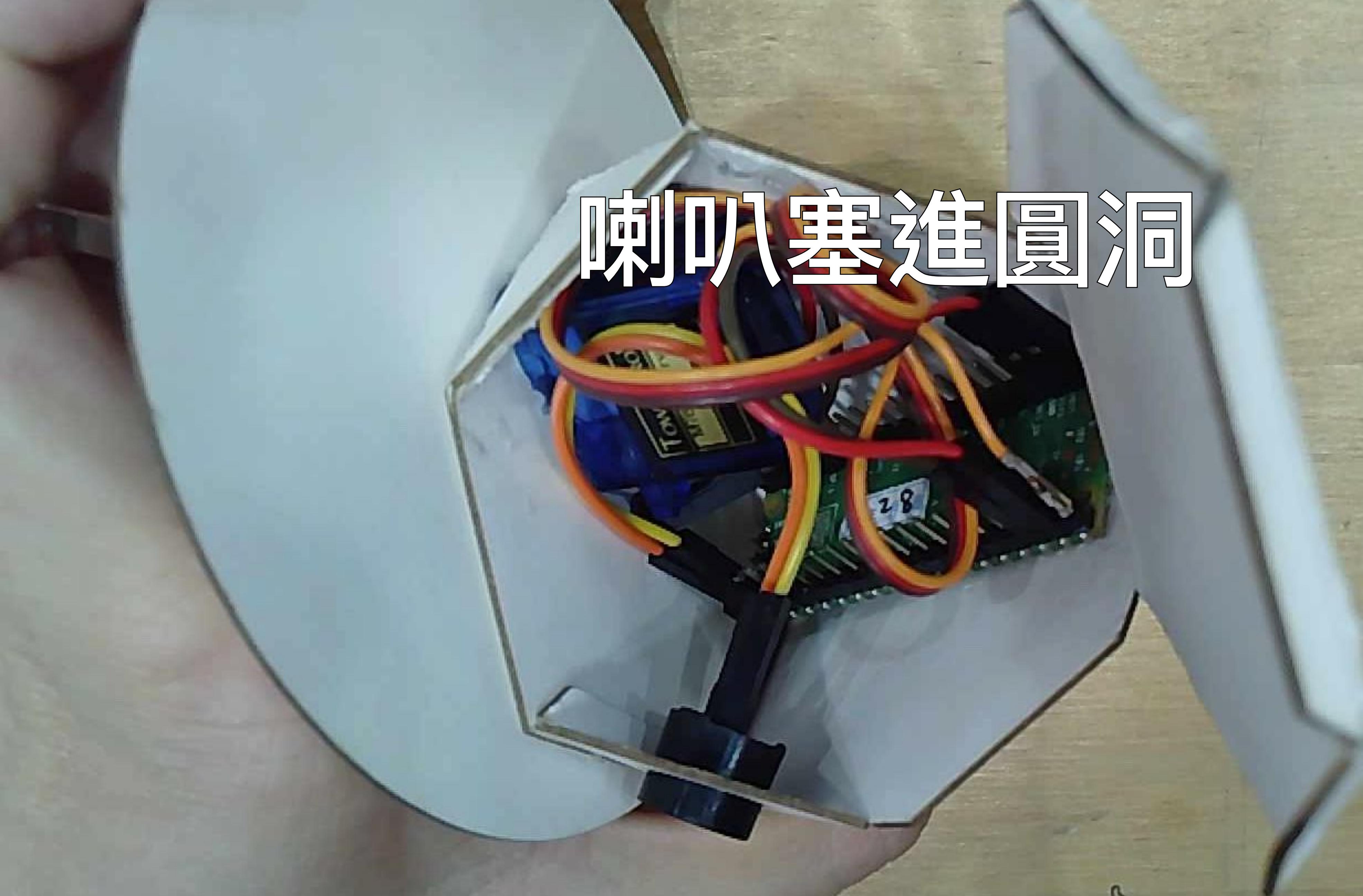
LED接線注意正負接上線，也貼膠帶



盒子黏好



喇叭塞進圓洞



測試一下有沒問題



拿出半圓，貼上馬達轉動臂
(短臂、非一、十字型的)



食指按住馬達、裝上半圓



正面的樣子

兩側水平，並調整馬達初始值

儘量水平





取出護蓋連結條
貼上反光膠帶於內側、折彎黏貼處、凹向內側

貼連結條於盤面下方



黏加上護蓋就完成

