

MUSICMAKER

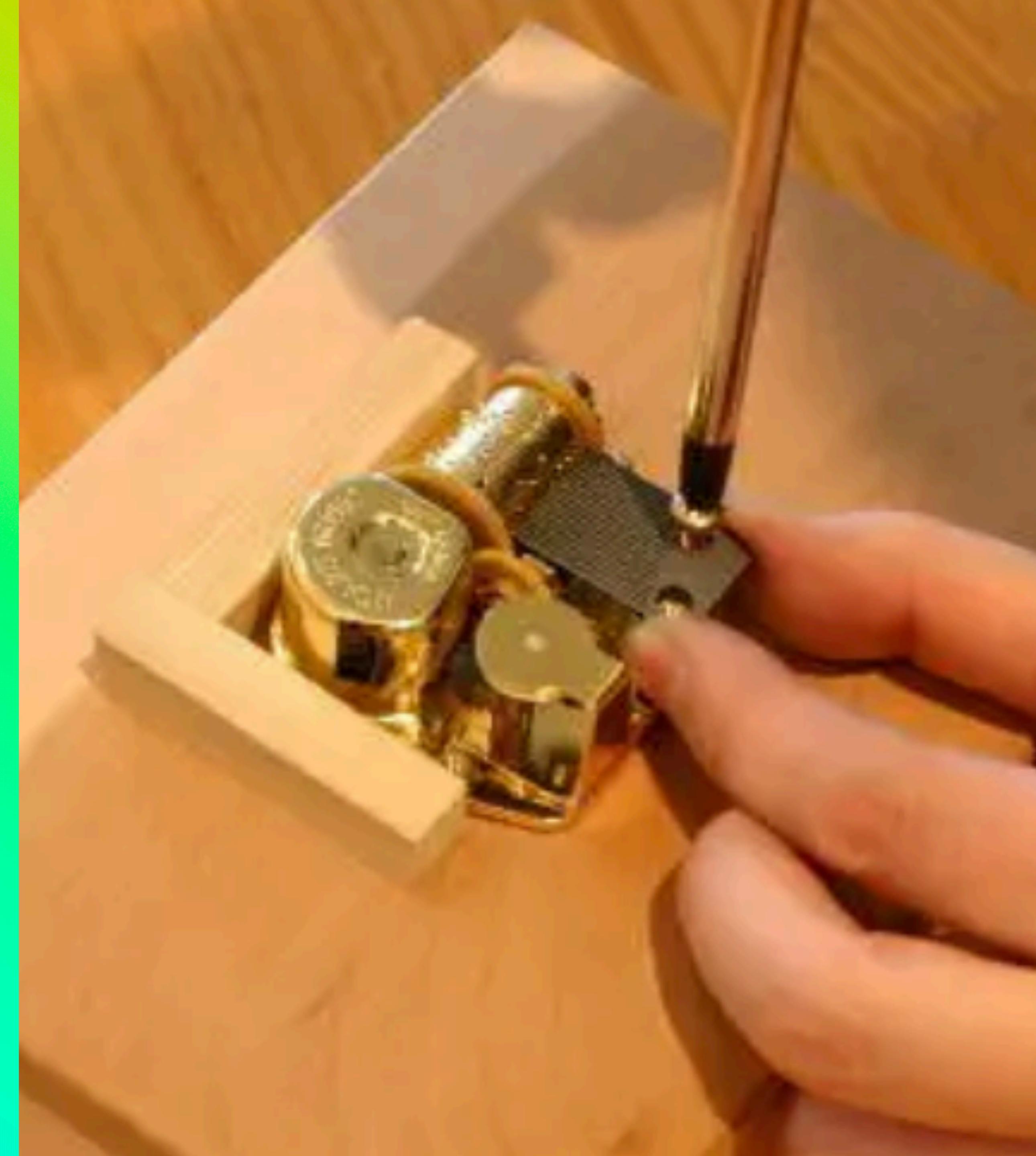
電子音樂製作器

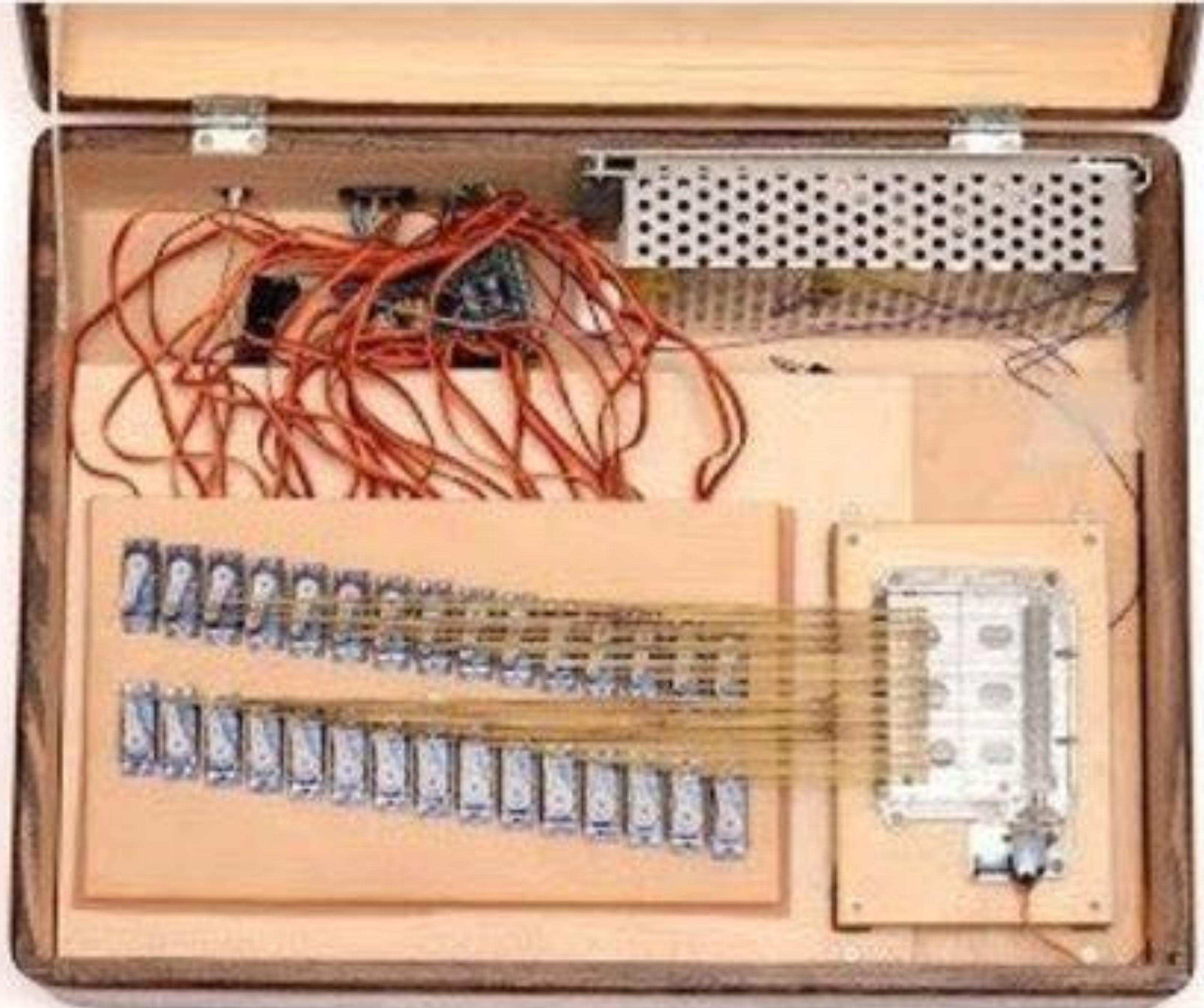


chyijiunn

科技

滿足對藝術的渴望





衛武營管風琴

台灣驕傲

- 亞洲最大
- 1.2億
- 9085 音管、127 音栓



MURO BOX

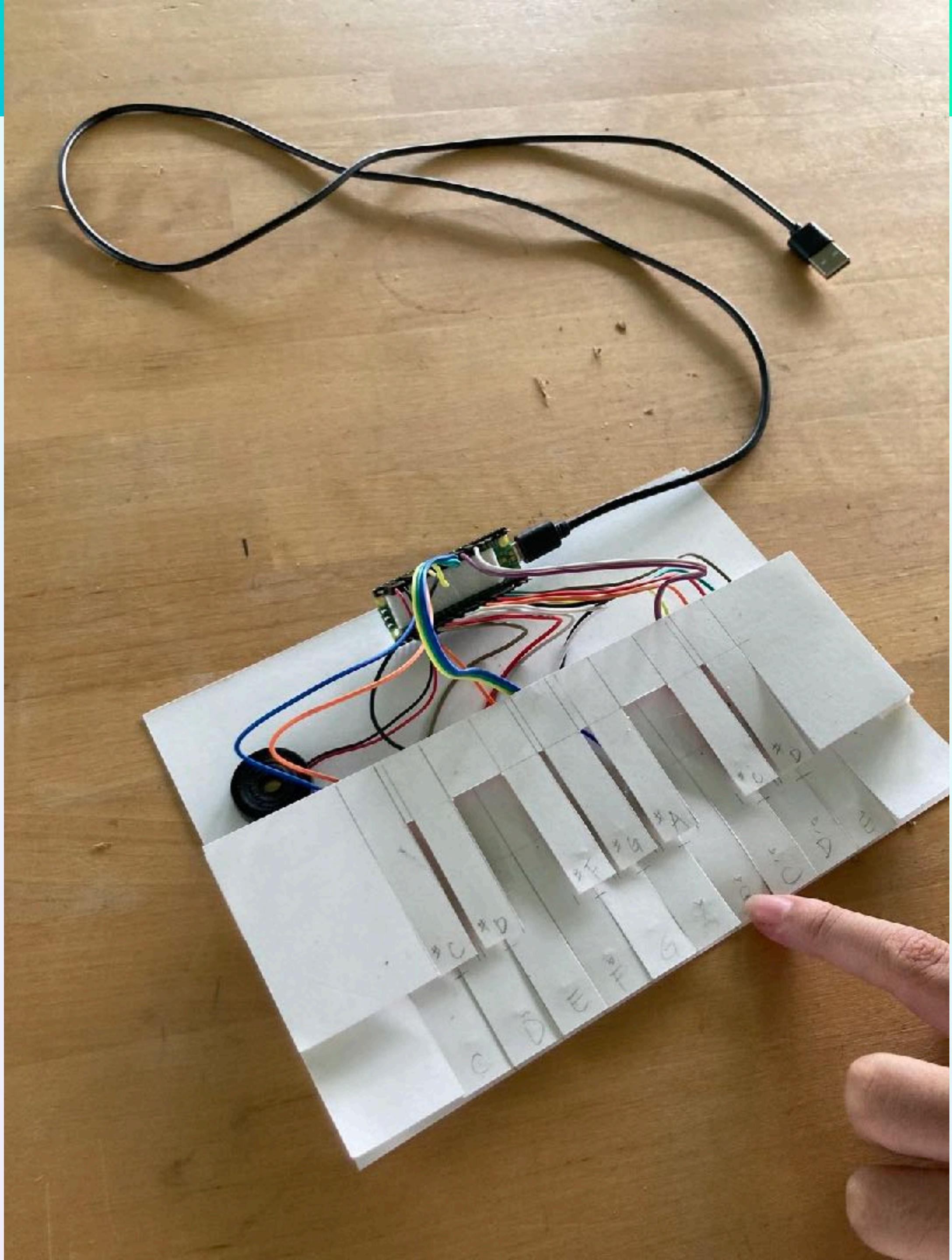
台灣驕傲

- 可編曲
- Midi 支援
- 持續進化中

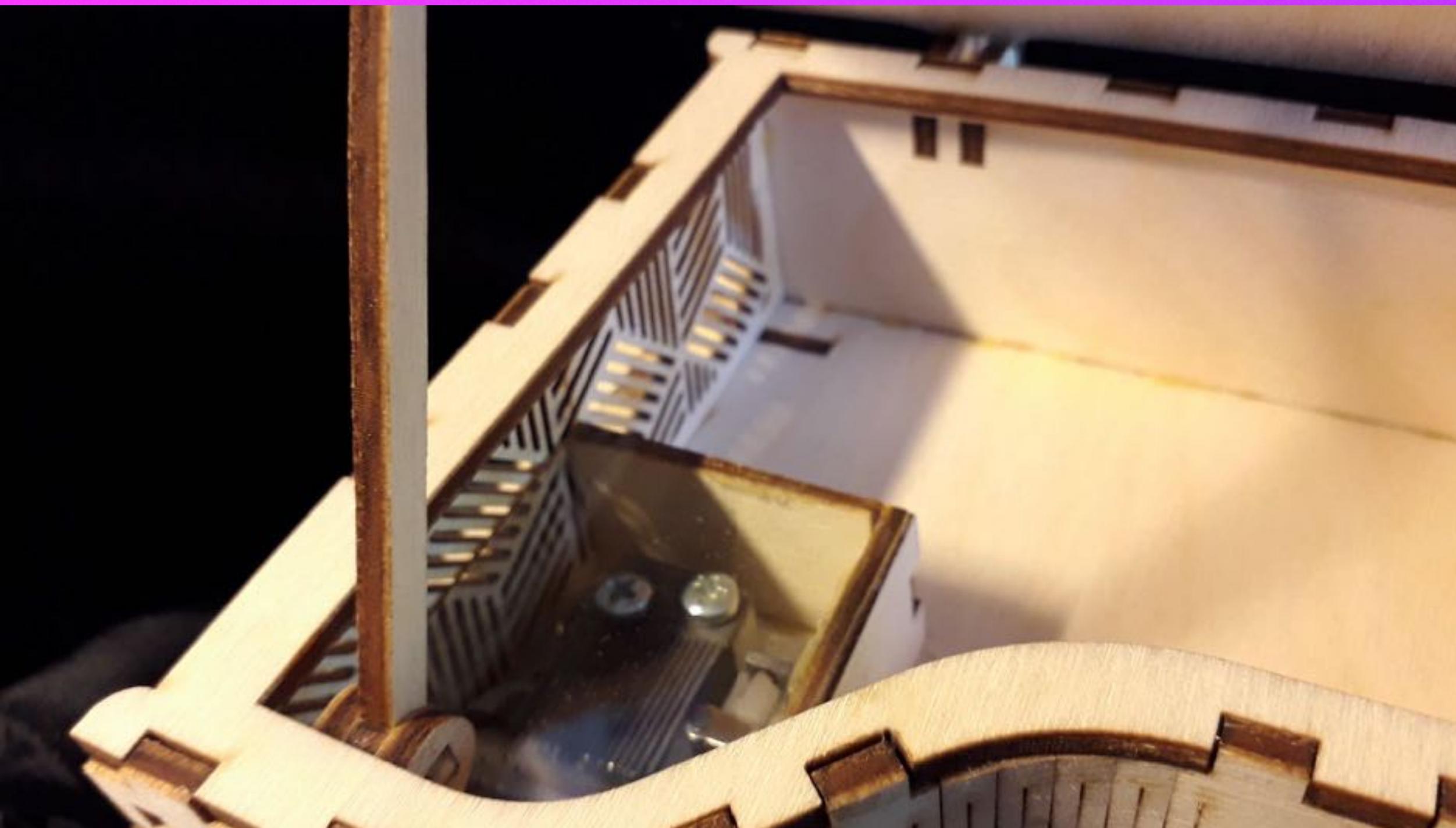
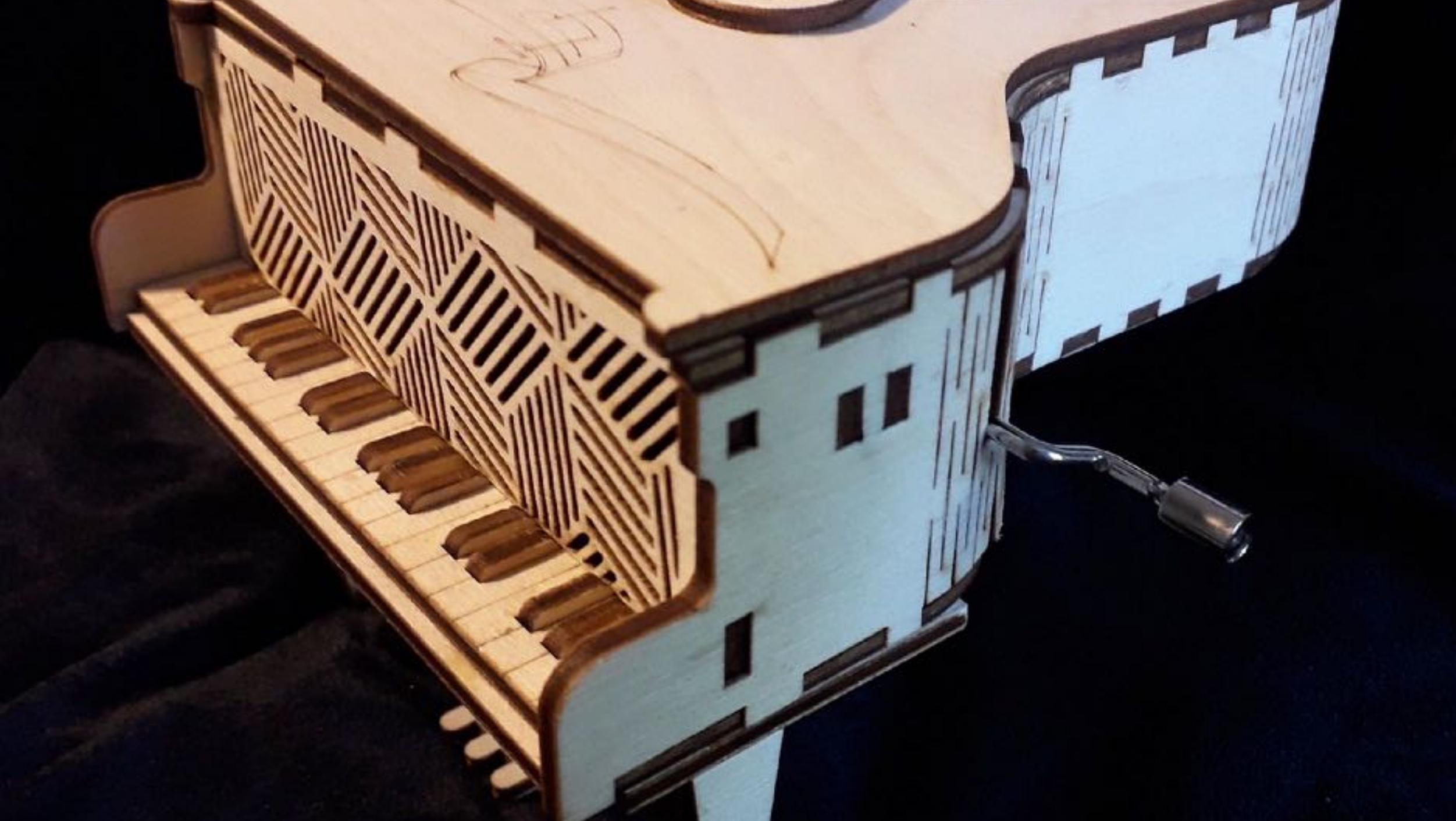


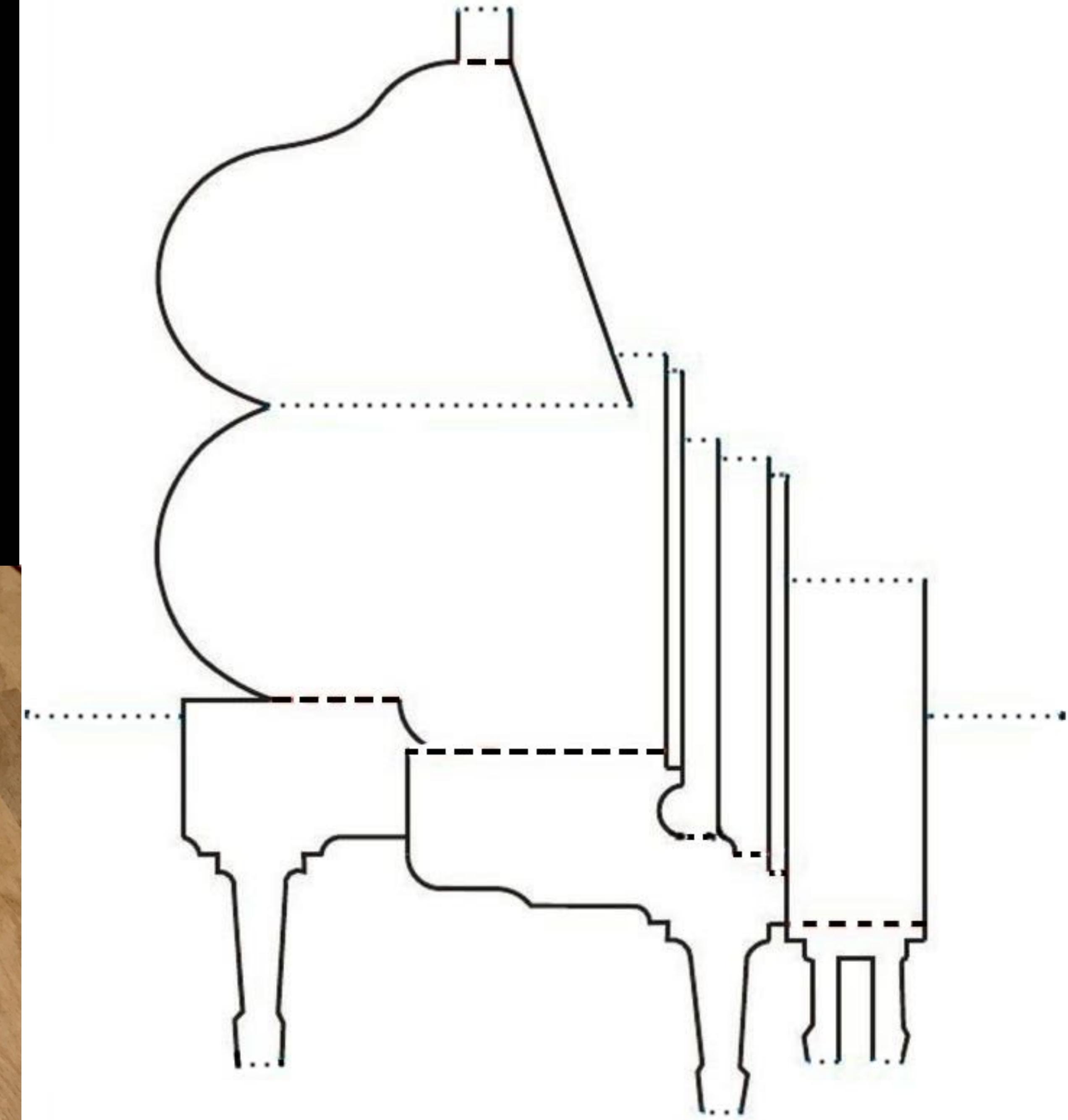
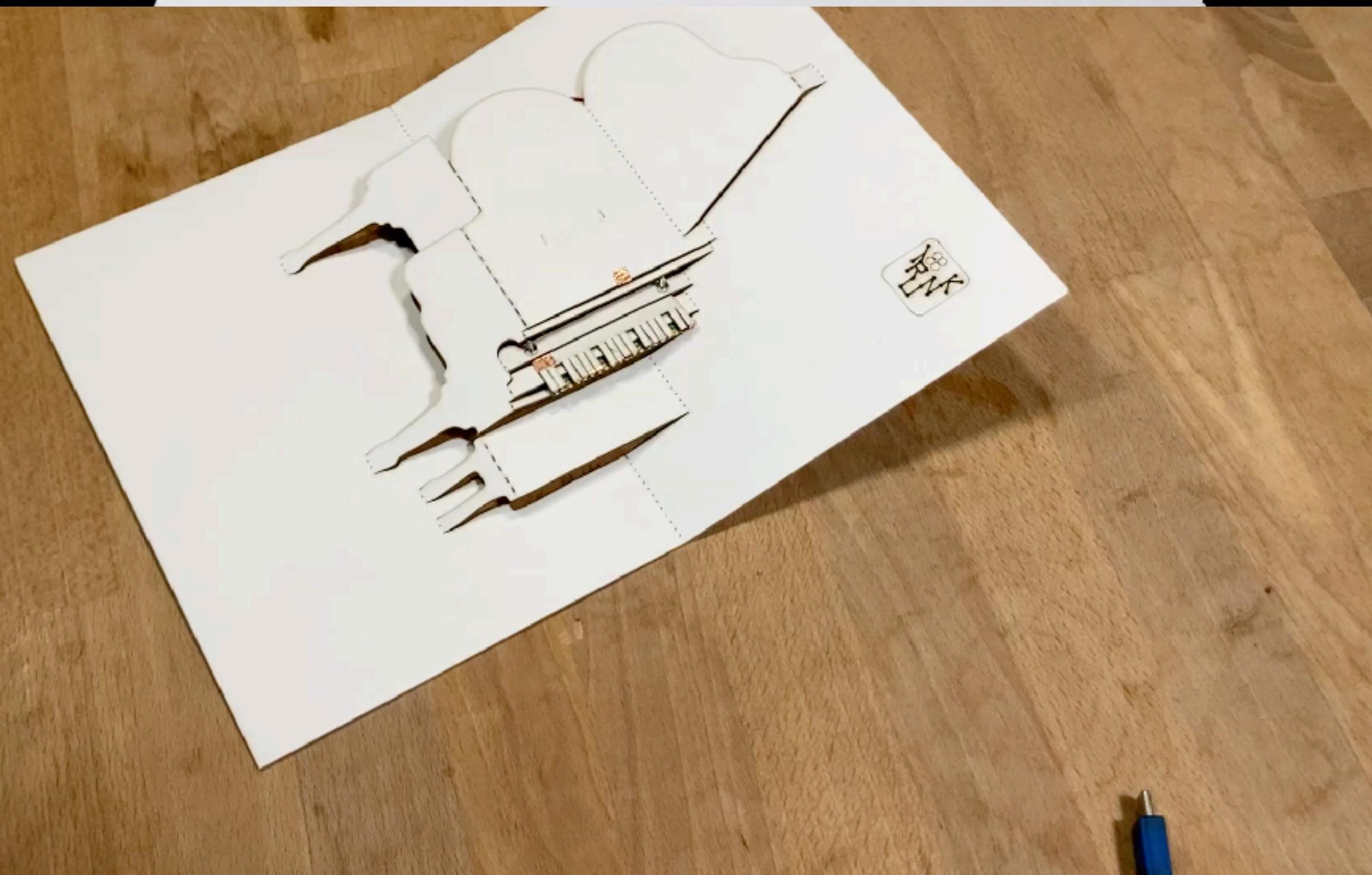
最簡單的形式

- 能理解接線
- 能寫簡單的程式

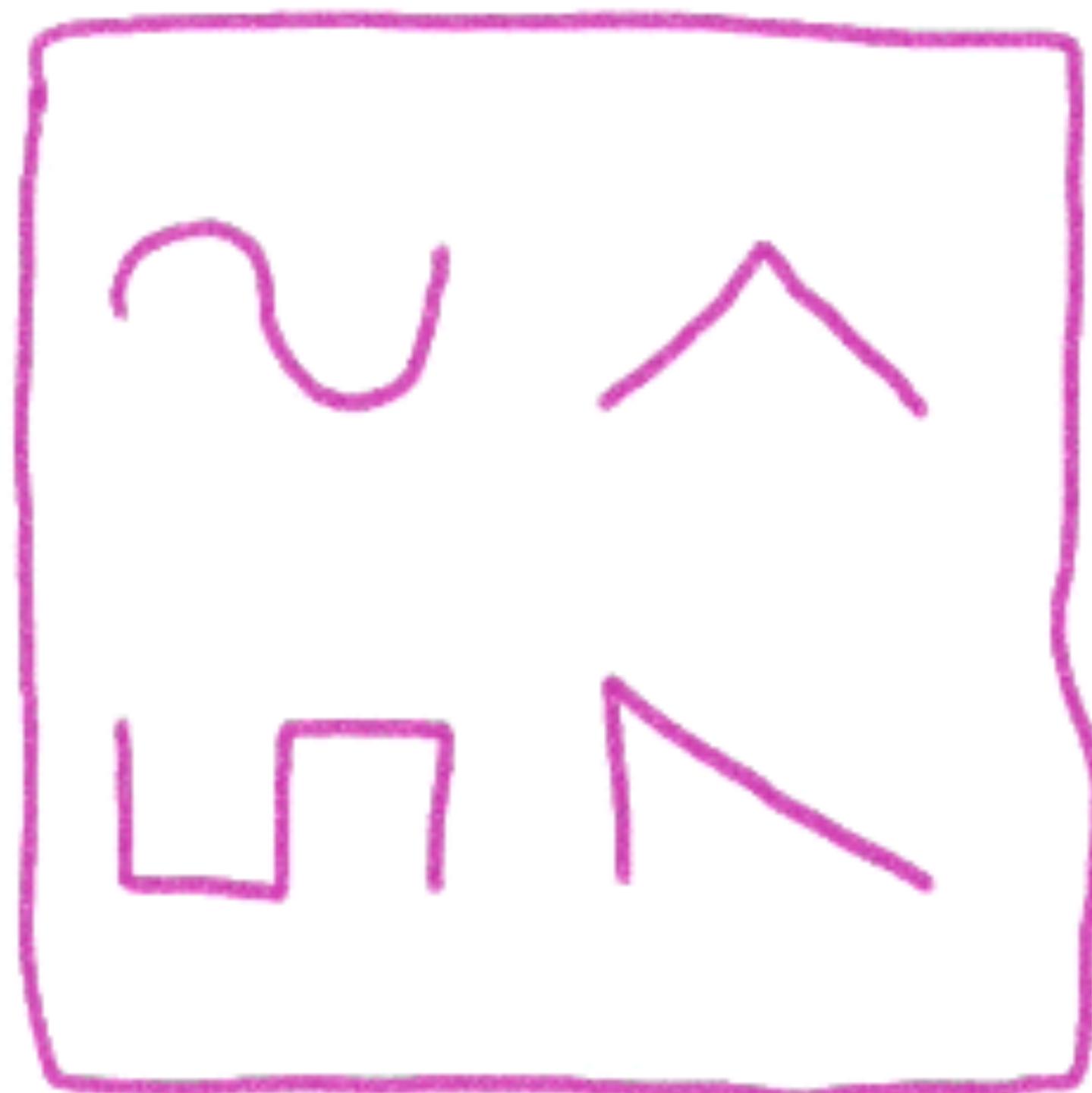


PIANO DXF





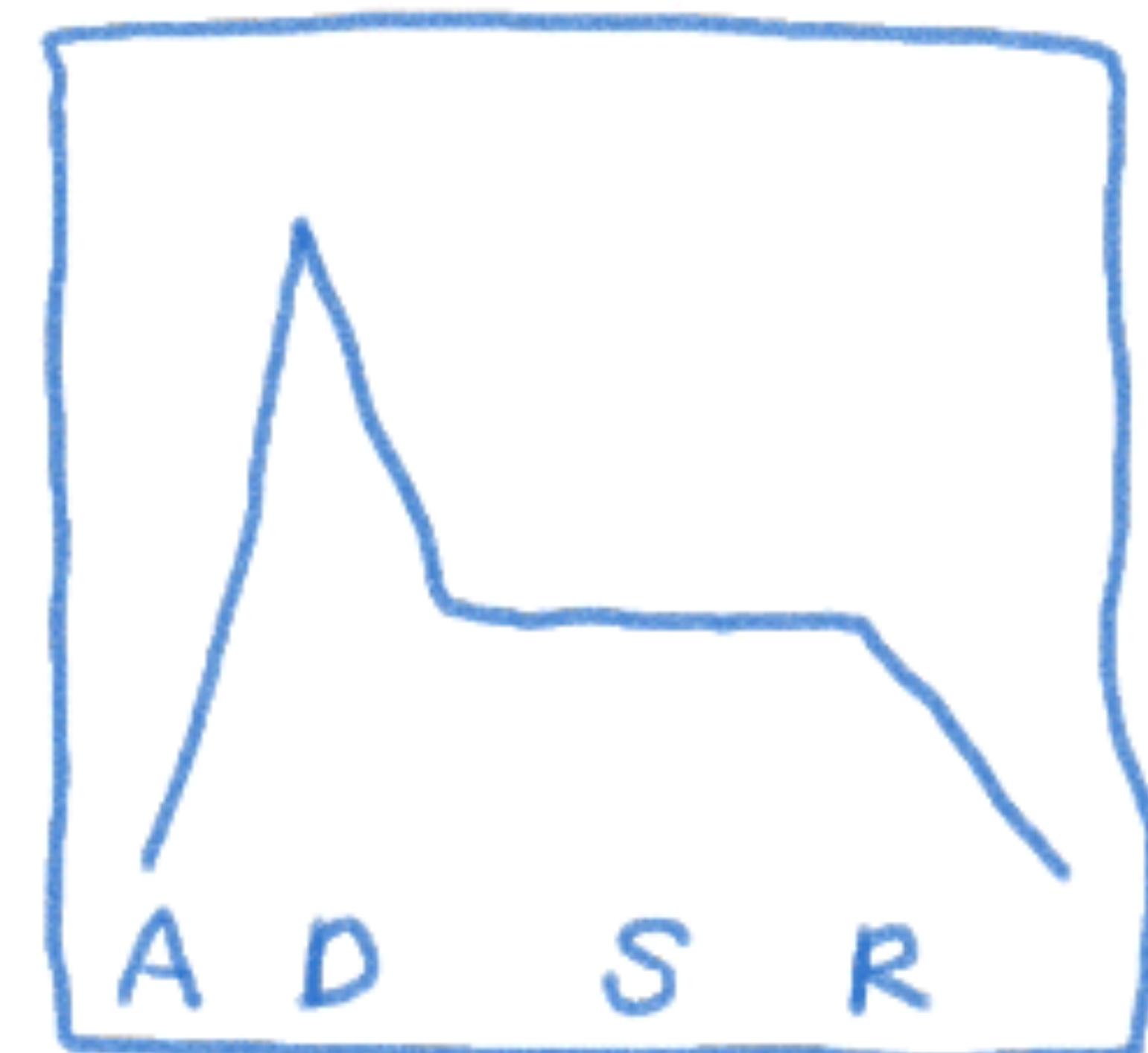
電子合成器



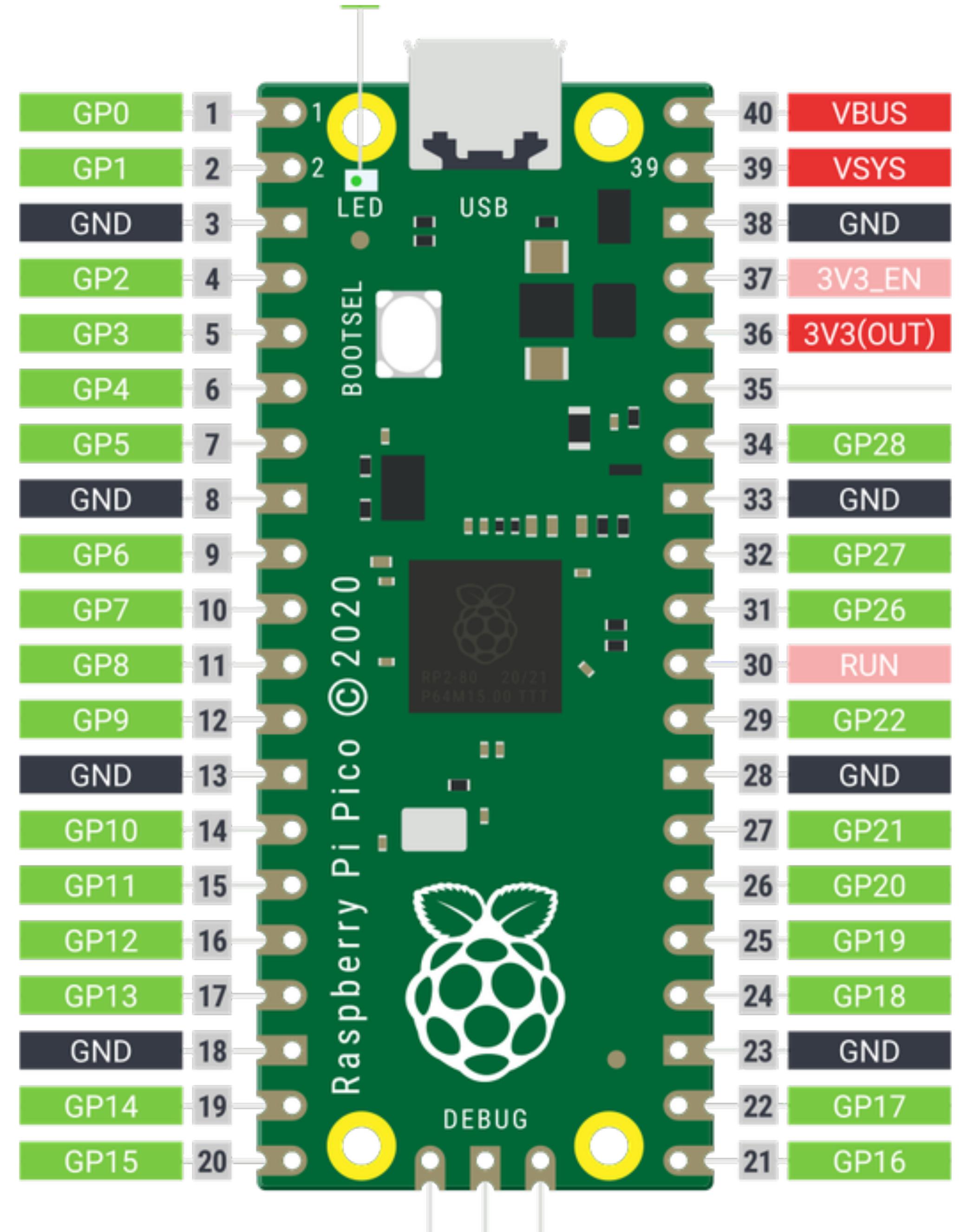
振盪器
Oscillator



濾波器
Filter

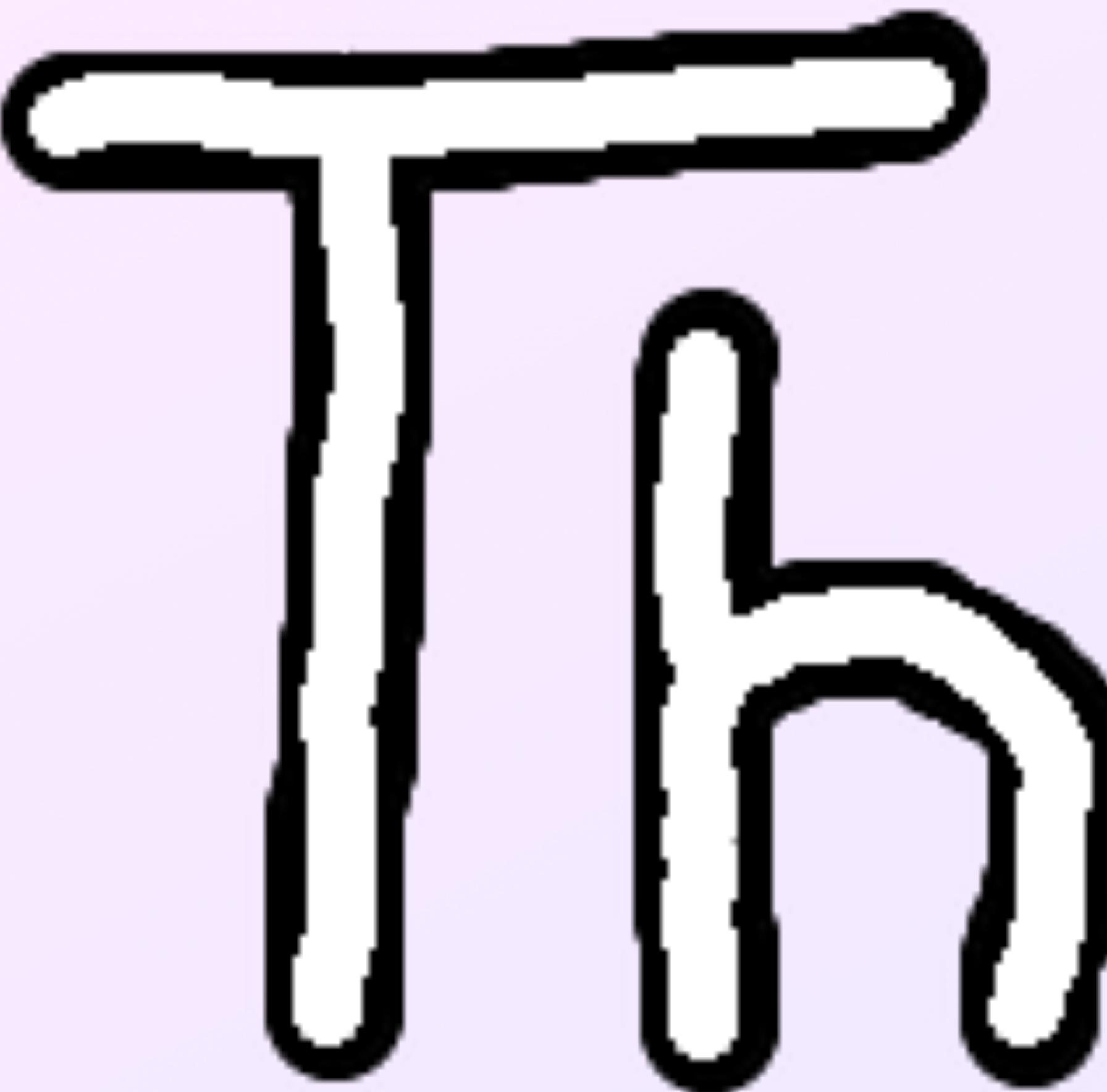


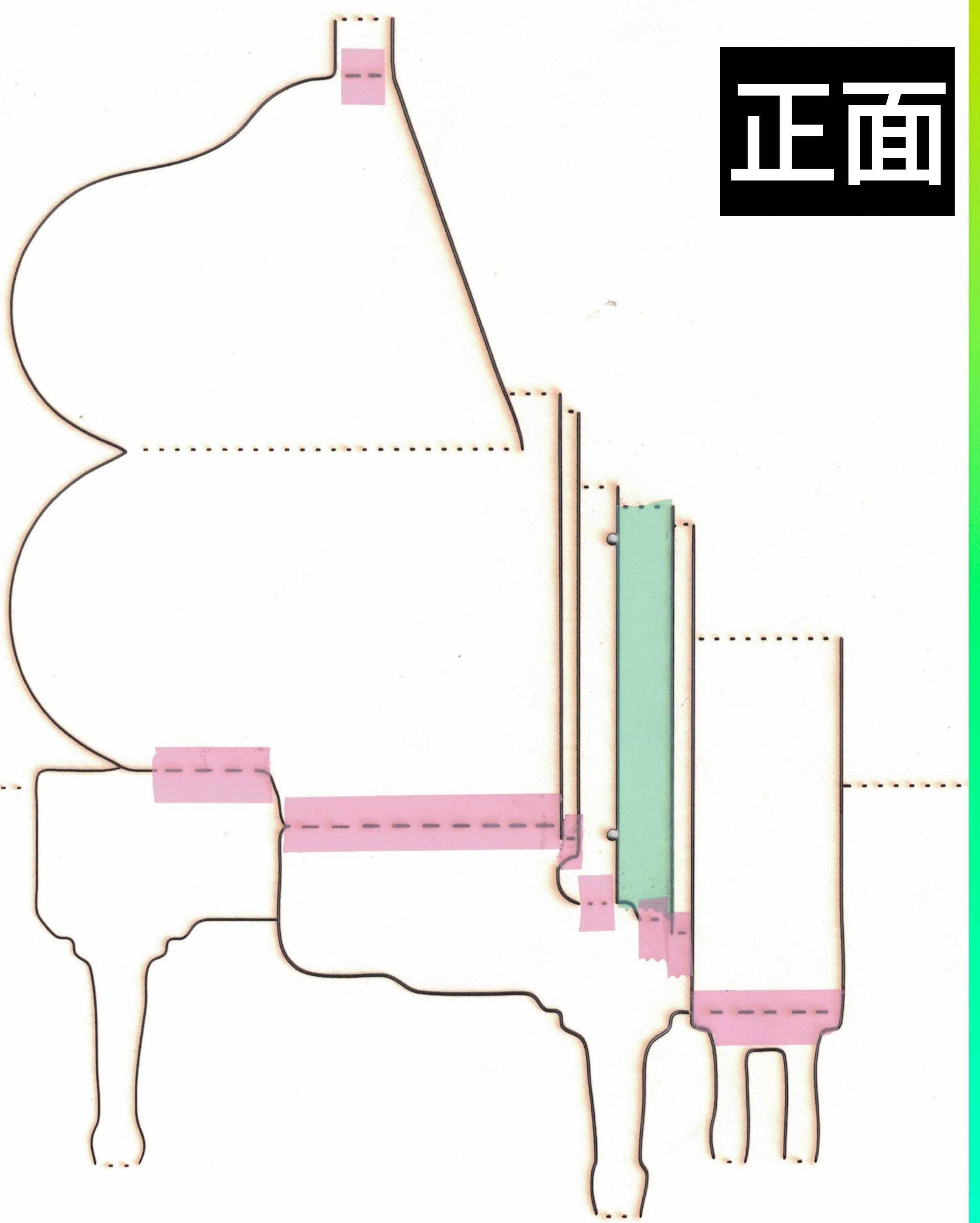
擴大器
Amplifier



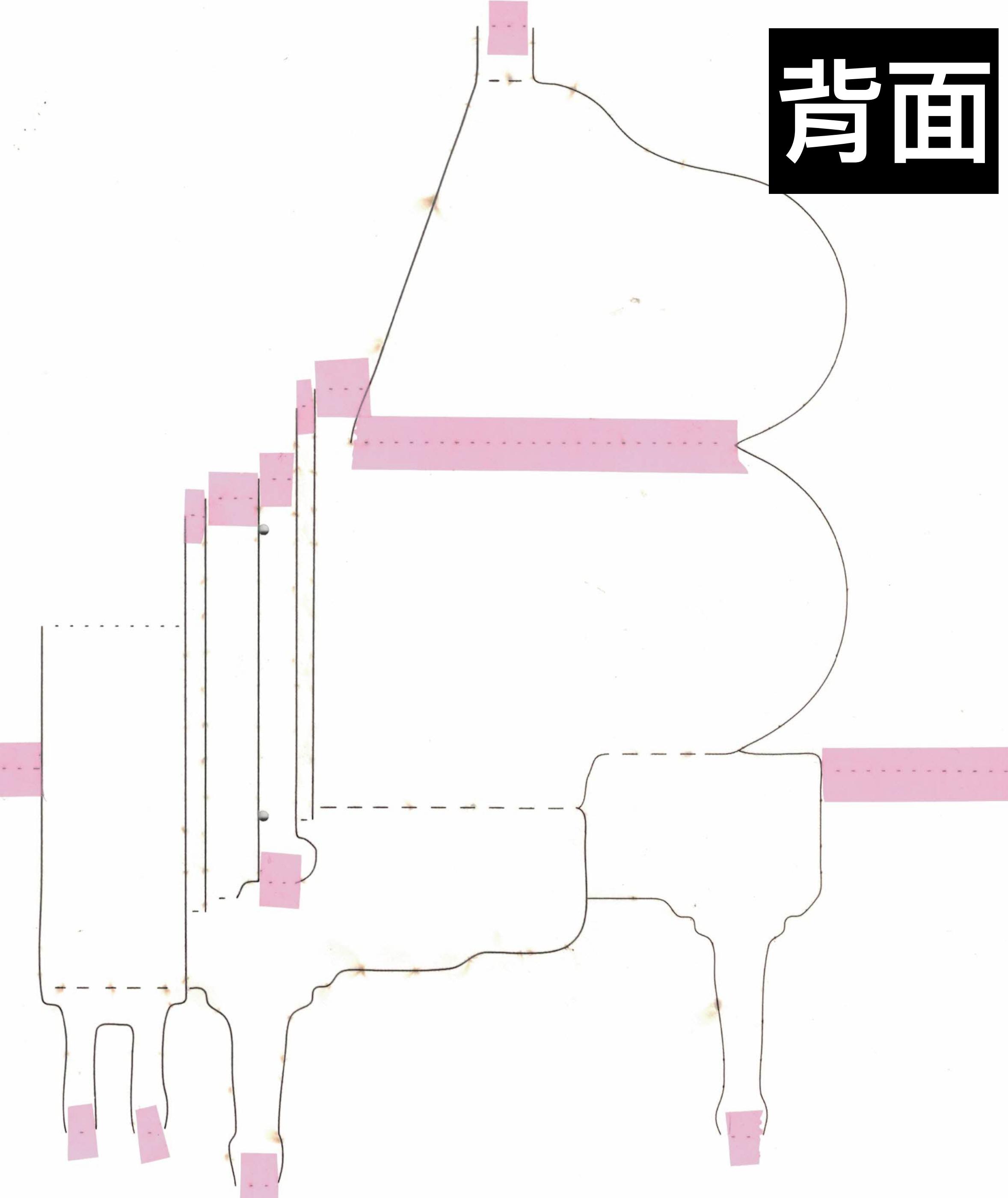
THONNY

- 介面使用
- 韌體操作
- 寫三行程式

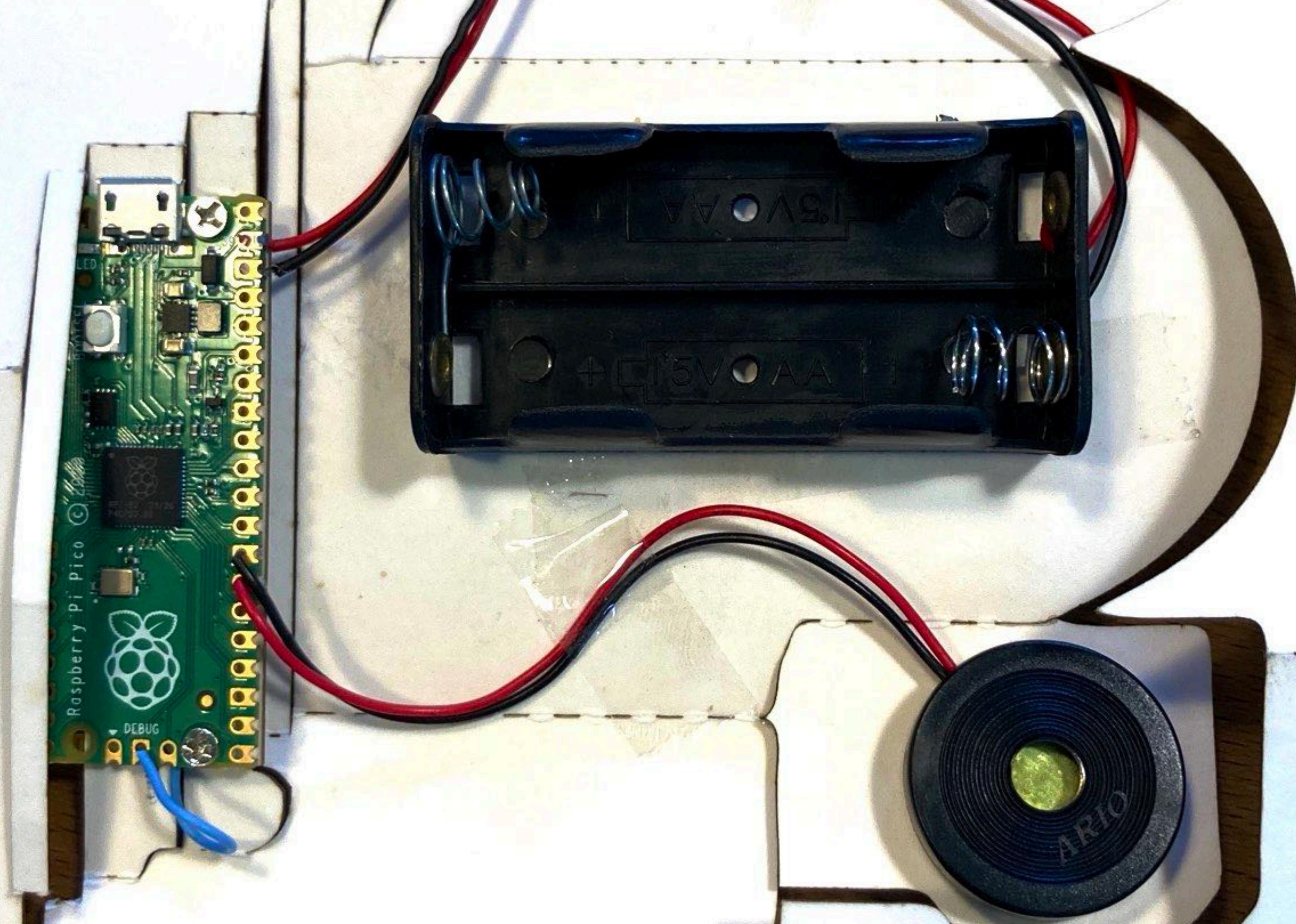




正面



背面



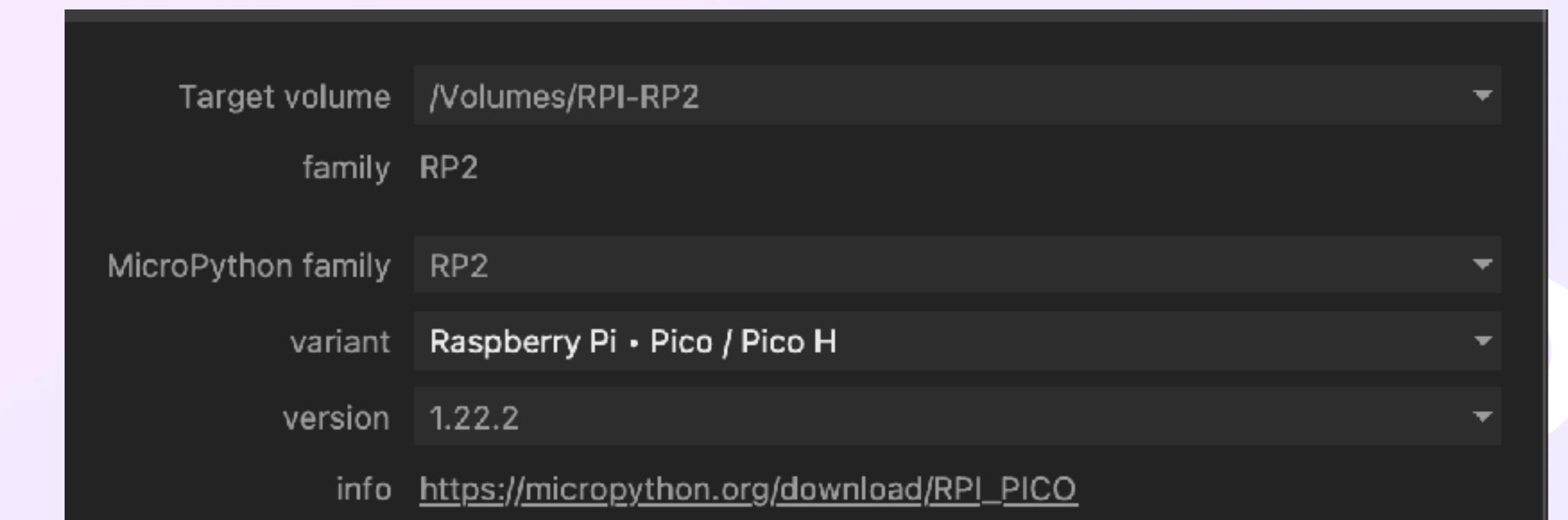
韌體

按住`BOOT SEL` - 插入USB--讀取如隨身碟

推薦使用

- 下載韌體
- 拖拉韌體進入
- 隨身碟顯示退出

- 工具 - 選項 - 直譯器
選 **PICO**
- 安裝或更新**MICROPYTHON**



檔案 × 00_pinTest.py ×

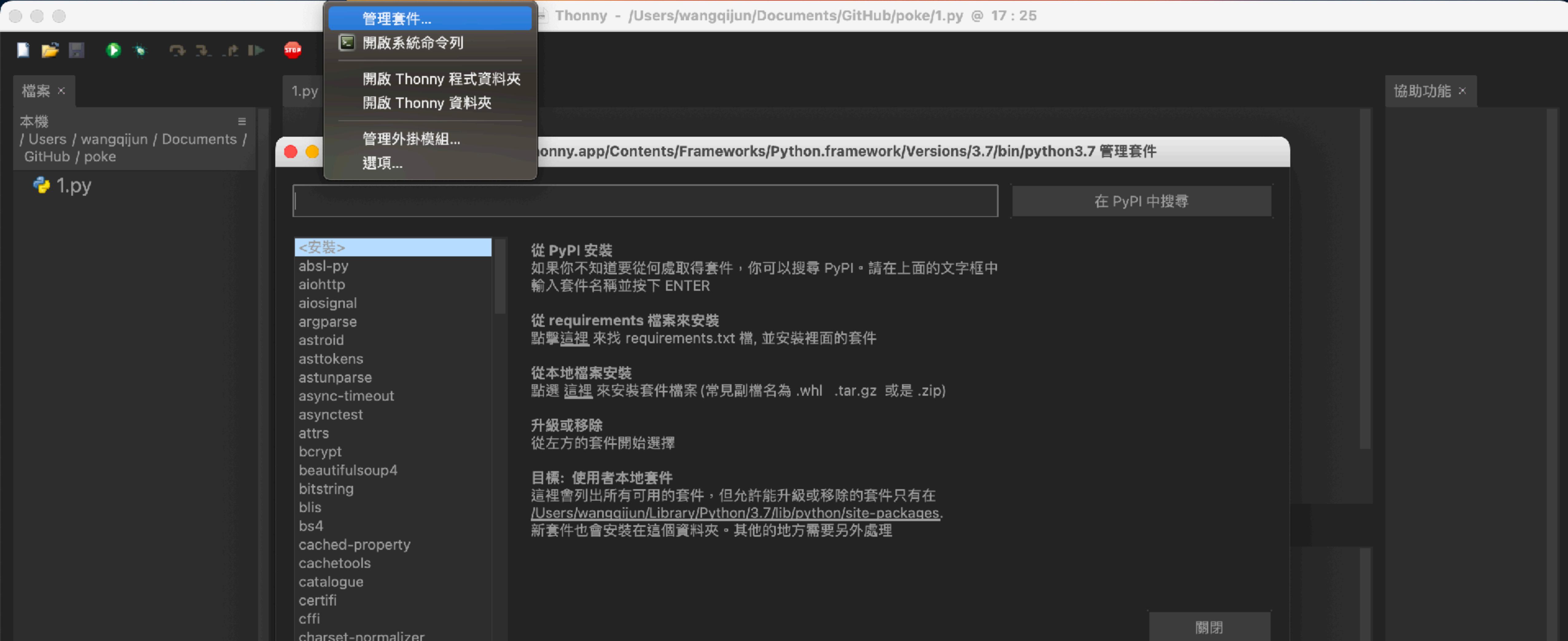
```
1 from machine import Pin, I2C, PWM
2 from ssd1306 import SSD1306_I2C#with package micropython(ssd1306)
3 import time
4
5 i2c=I2C(0,sda=Pin(20), scl=Pin(21), freq=40000)
6 oled = SSD1306_I2C(128, 64, i2c)
7 buzzer = PWM(Pin(12))
8 buzzer.freq(500)
9 buttonR = machine.Pin(16, machine.Pin.IN, machine.Pin.PULL_UP)#press = 0 , unpress = 1
10 buttonL = machine.Pin(15, machine.Pin.IN, machine.Pin.PULL_UP)
11
12 oled.fill(0)
13 oled.text('hello',0,0)
14 oled.text('hello2',0,10)#寫文字於(0,10)
15 oled.line(0,15,127,15,1)#畫條線(x0,y0,x1,y1,1)
16 oled.pixel(64,30,1)#放一個點於64,30
17 oled.show()
```

Raspberry Pi Pico ×

```
互動環境 (Shell) ×
Traceback (most recent call last):
File "main.py", line 120, in <module>
KeyboardInterrupt:
MicroPython v1.19.1 on 2022-06-18: Raspberry Pi Pico with RP2040
Type "help()" for more information.
>>>
```

檢視 - 檔案

PICO



工具 - 管理套件



檔案 ×

本機
/ Users / wangqijun / Documents /
GitHub / poke

1.py

1.py ×

1 import random

為 /Applications/Thonny.app/Contents/Frameworks/Python.framework/Versions/3.7/bin/python3.7 管理套件

協助功能 ×

picozero

在 PyPI 中搜尋

<安裝>

- absl-py
- aiohttp
- aiosignal
- argparse
- astroid
- asttokens
- astunparse
- async-timeout
- asynctest
- attrs
- bcrypt
- beautifulsoup4
- bitstring
- blis
- bs4
- cached-property
- cachetools
- catalogue
- certifi
- cffi
- charset-normalizer

picozero

最新穩定版本: 0.4.1

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

作者: Raspberry Pi Foundation

網站主頁: <https://github.com/RaspberryPiFoundation/picozero>PyPI 頁面: <https://pypi.org/project/picozero/>

安裝

...

關閉

搜尋 PICOZERO - 安裝

Thonny - /Users/wangqijun/Documents/GitHub/poke/1.py @ 17 : 25

程式引數:

```
1 import random
2 suit = ('梅花','方塊','紅心','黑桃')#台灣小到大
3 rank = ('3','4','5','6','7','8','9','10','J','Q','K','A')
4 desklis
5
6 def shu
Raspberry Pi Pico
```

另存新檔
RASPBERRY PI PICO

Raspberry Pi Pico

MicroPython v1.22.2 on 2024-02-22; Raspberry Pi Pico with RP2040

Type "help()" for more information

另存 main.py

通電即執行