



ASSEMBLY INSTRUCTIONS





First, make sure you have in your possession all the necessary parts and components.

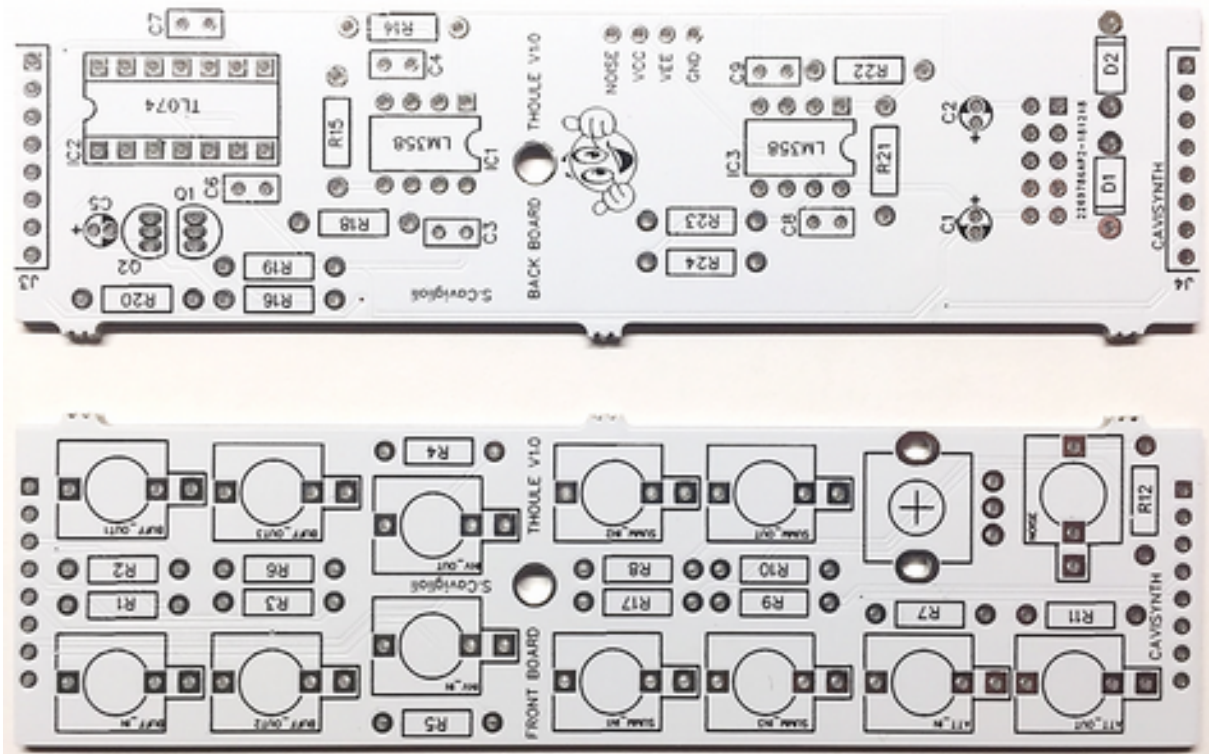
For this, refer to the boom file : <http://cavisynth.com/product/thoule/#downloads>

You will also need :

- A soldering iron
- Welding wire
- A flat file or a cutting pliers
- A dry and clear work plan
- Around 1 hour for construction

So... let's go !!!

Break both PCB



Use a flat file or a cutting pliers to equalize the edge.



Solder resistors :

1 X R4.7k -> R19

4 X R10k-> R14, R15, R21, R22

1 X R47k-> R16

4 X R100k -> R18, R20, R23, R24





Solder 2 X 1N4001 Diode -> D1, D2

These part have a specific orientation and it need to go in the right direction

Black line on the board corresponds to the grey line on the diode



Solder 1 X DIP14 and 2 X DIP8 socket



Solder 2 X 2N3904 (or 2N222) transistor -> Q1, Q2



Solder 1 X 1uF capacitor -> C5

This part is polarised, positive (long leg) goes in the (+)





Solder 2 X 10uF capacitor -> C1, C2

These parts are polarised, positive (long leg) goes in the (+)



Solder 6 X 100nF capacitor -> C3, C4, C6, C7, C8, C9





Solder 1 X power connector

!!! Follow the mark on pcb for orientation. It have to be placed as showed below. Wrong orientation could cause severe damage to the module. Cavisynth decline all responsibility !!!



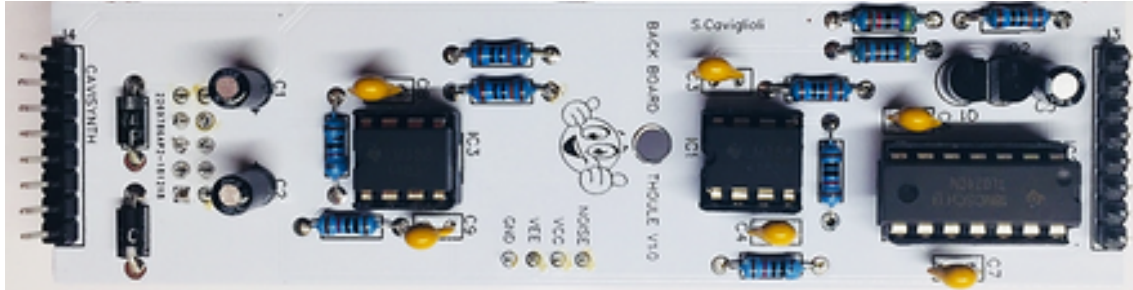
Solder 1 X connector. (This part will allow you to connect the Cavisynth Sample and Hold – OPTIONAL)



Solder 2 X single row 8p male



Place the IC chips with the right orientation



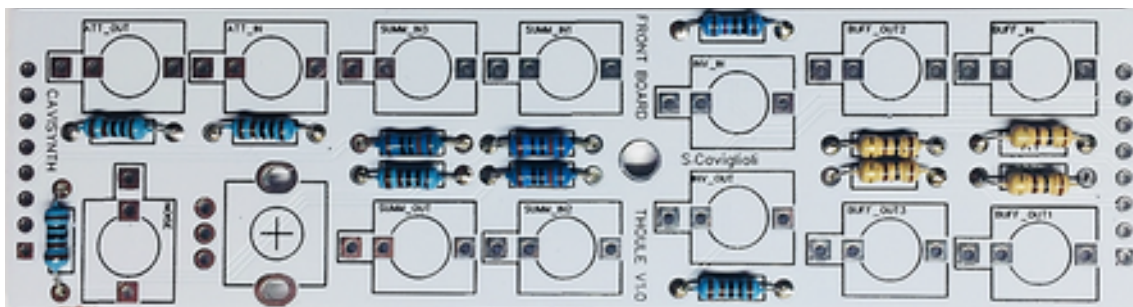
Solder resistors :

4 X R100 -> R1, R2, R3, R6

5 X R1k -> R4, R7, R10, R11, R12

1 X R10k-> R5

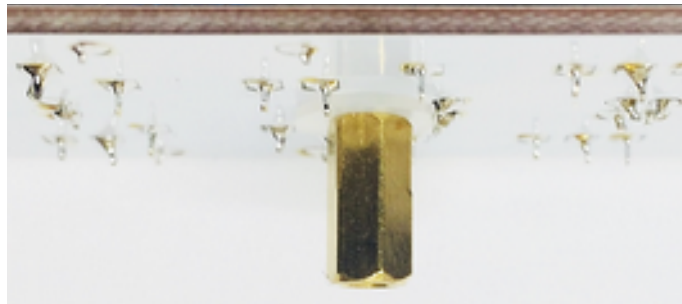
3 X R100k -> R8, R9, R17



Solder 2 X single row 8p female



Place a hex spacer, a screw and a washer as showed below



Place the jacks and the potentiometer
Don't solder them yet !





Now mount the panel, aim the pots, then solder

Join both PCB, place a screw and a washer as showed below



Place the 20[cm] power ribbon
No settings, no callibration. It's ready !