CAVISYNTH

ASSEMBLY INSTRUCTIONS

Instructions by O.Kolly & S.Caviglioli 22.10.2019

First, make sure you have in your possession all the necessary parts and components.
For this, refer to the boom list below.

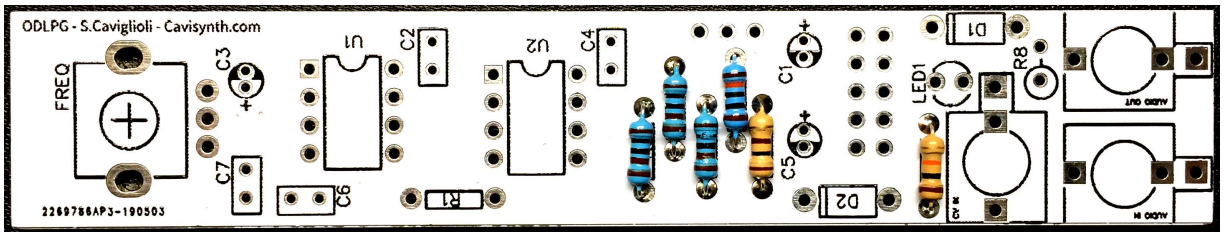
R4.7k	R1, R8
R100k	R2
R1k	R2, R4, R5
R100	R6
R10k	R7
10uF	C1, C3, C5
C100n	C2, C4, C6, C7
1N4001	D1, D2
LED	LED1
Jack	AUDIO IN, AUDIO OUT, CV IN
Potentiometer	FREQ
DIP8 socket + TL072CN	U1
DIP8 socket + 6N138	U2
Power connector	CON1

You will also need :

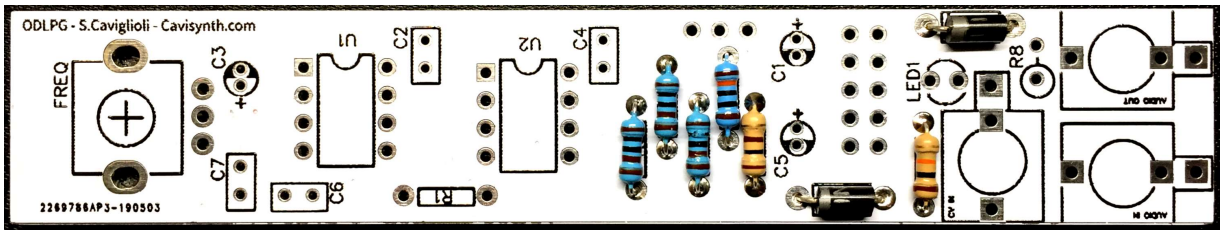
- A soldering iron
- Welding wire
- The side cutter
- A dry and clear work plan
- Around 30 minutes for construction

So... let's go !!!

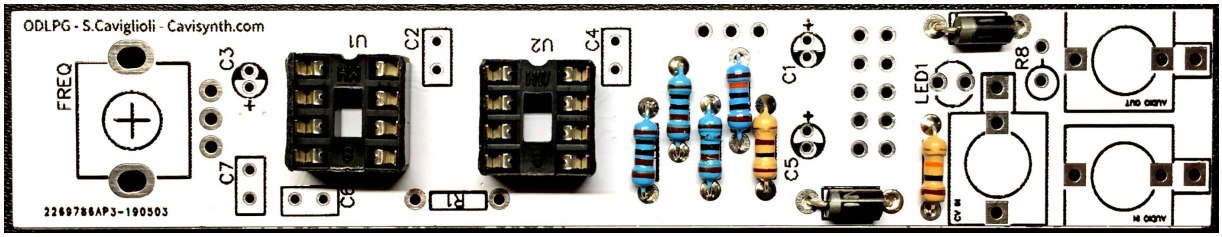
Solder resistors :
3X R1k ⇨ R3, R4, R5
1X R100k ⇨ R2
1X R100 ⇨ R6
1X R10k ⇨ R7



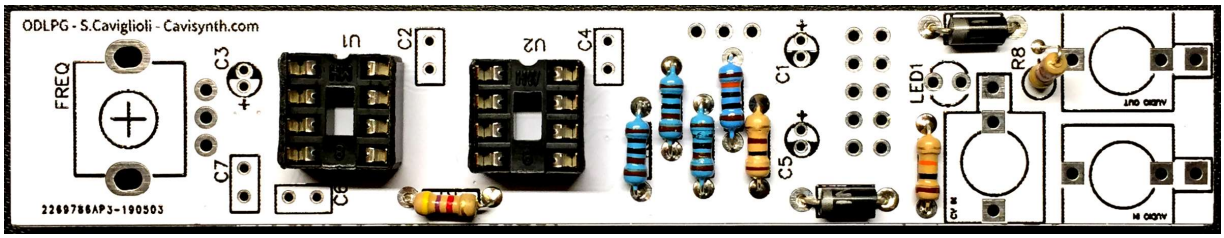
Solder 2X 1N4001 Diode ⇨ D1, D2
These part have a specific orientation and it need to go in the right direction
Black line on the board corresponds to the grey line on the diode



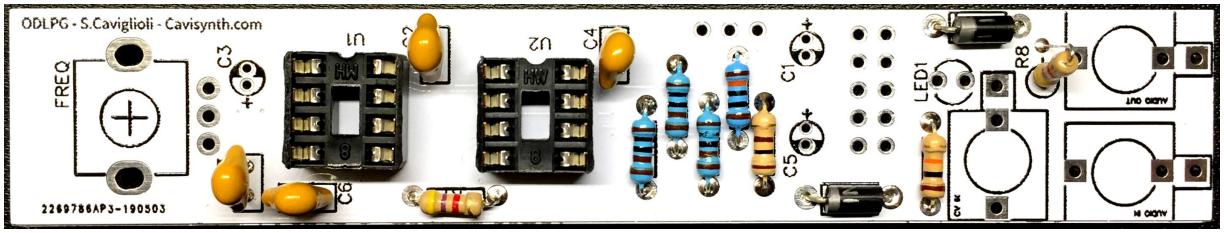
Solder 2 X DIP8 socket



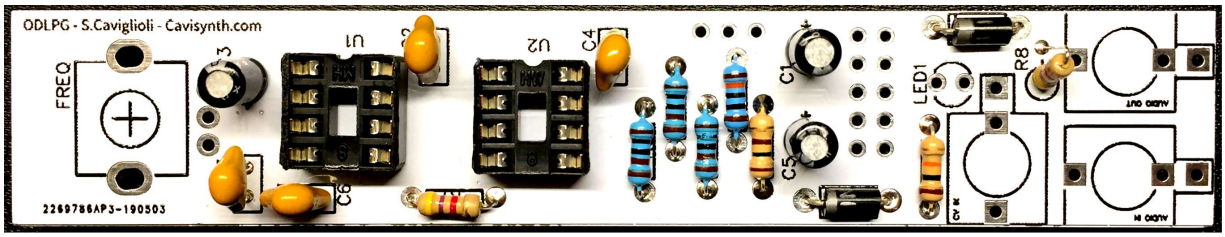
Solder 2X R4.7k resistor ⇨ R1, R8



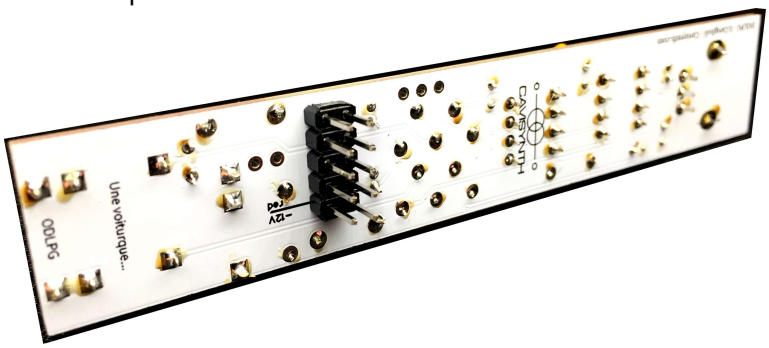
Solder 4X C100n capacitor ⇨ C2, C4, C6, C7



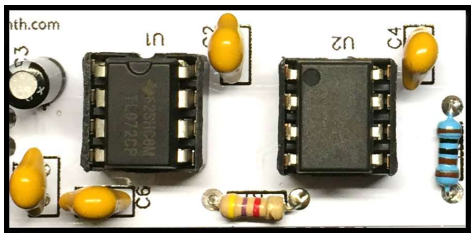
Solder 3X 10uf transistor ⇨ C1, C3, C5



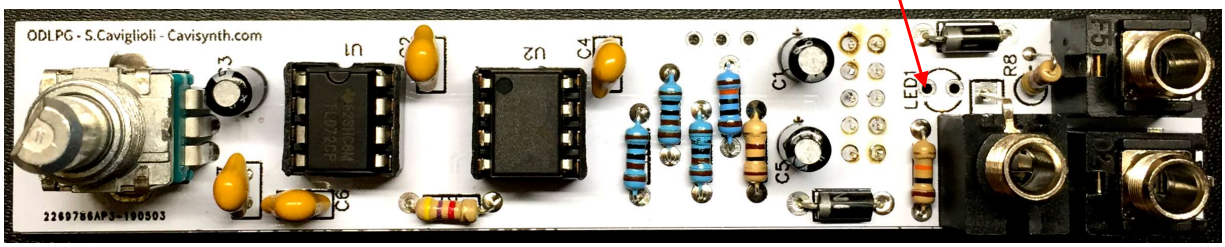
Solder 1X power connector

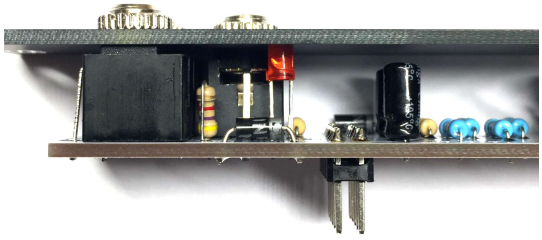


Place the chips on the right position :
TL072CN ⇨ U1
6N138 ⇨ U2

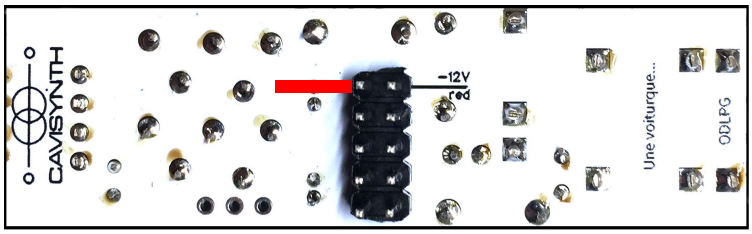


Place the jacks and the potentiometer.
Place the LED, negative (small leg) goes in the direction of LED1. small leg
Mount the panel, aim the pots. Then solder all.





Place the power ribbon.
Pay attention to the red strip and follow the direction as the picture below.
Red strip (-12V) goes on the -12V red marked on the PCB.



ATTENTION : Make sure that the red strip orientation is the correct one, otherwise it could cause severe damage to the module. Cavisynth decline all responsibility.
Should this happen, please contact us and we will try to find a solution.

Now you can test it. No settings, no callibration. It's ready !