

## AMBIVALENT ASSEMBLY INSTRUCTIONS



Instructions by O.Kolly & S.Caviglioli 21.05.2021

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

<b>1k</b>	<b>R4, R5</b>
<b>4.7k</b>	<b>R2, R3</b>
<b>10K</b>	<b>R1, R6, R7, R13</b>
<b>100nF</b>	<b>C2, C4, C6, C9, C15, C16</b>
<b>10uF</b>	<b>C1, C5</b>
<b>1N4001</b>	<b>D1, D2</b>
<b>TL074CN</b>	<b>U1, U2</b>
<b>LED</b>	<b>DS1, DS2</b>
<b>Jack</b>	<b>K1, K2, K3, K4, K5, K6</b>
<b>Potentiometer</b>	<b>VR1, VR2</b>
<b>Power connector</b>	<b>CON1</b>

You will also need :

- A soldering iron
- Welding wire
- The side cutter
- A dry and clear work plan
- Around 1 hour for construction

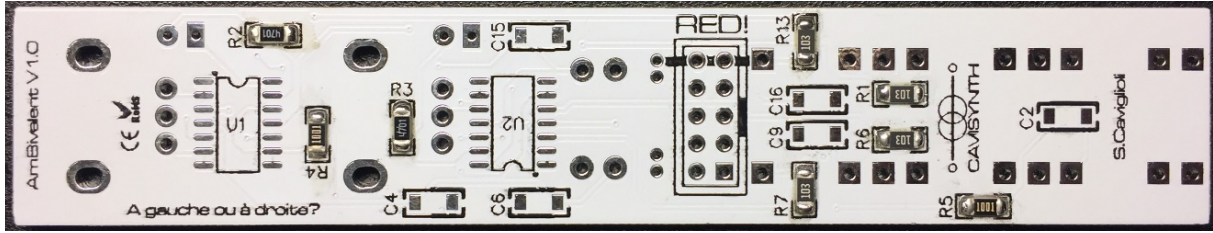
So... let's go !!!

Solder SMD resistors :

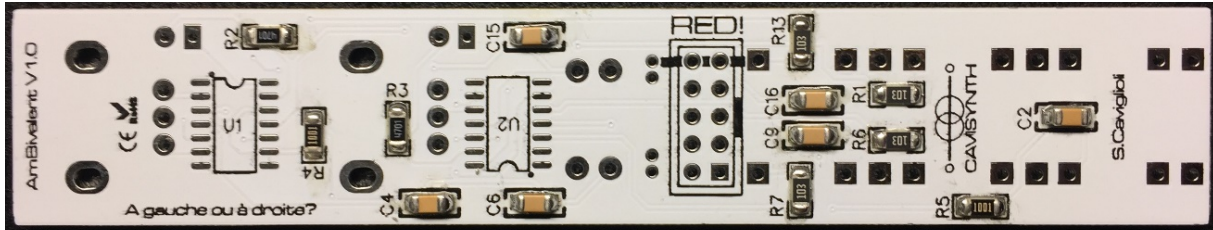
2X 1k  $\approx$  R4, R5

2X 4.7k  $\approx$  R2, R3

4X 10k  $\approx$  R1, R6, R7, R13

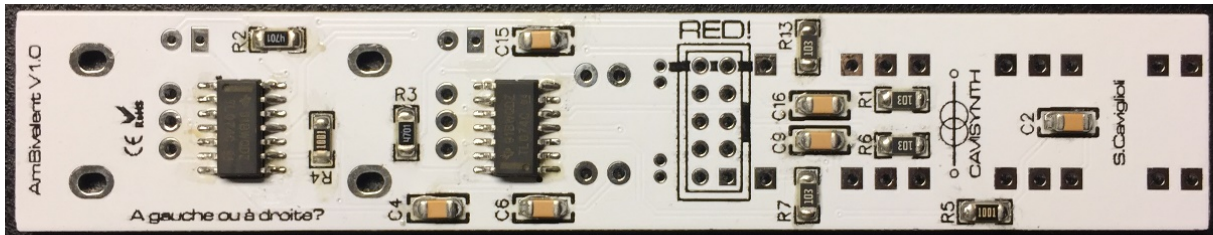


Solder 6X 100nf SMD capacitor  $\approx$  C2, C4, C6, C9, C15, C16



Solder 2X SMD TL074CN  $\approx$  U1, U2

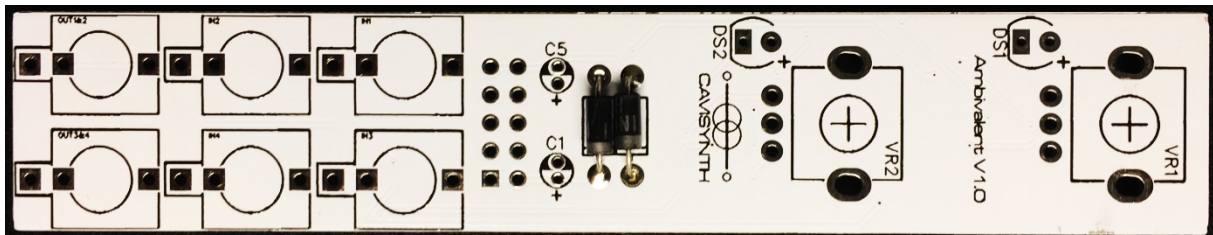
These part have a specific orientation and it need to go in the right direction.



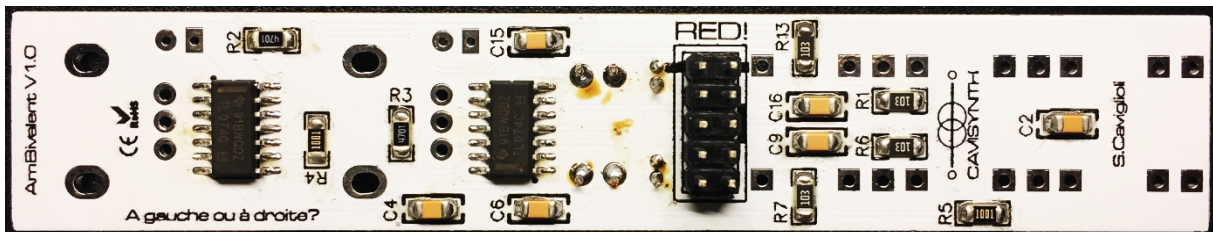
Solder 2X 1N4001 Diode  $\approx$  D1, D2

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

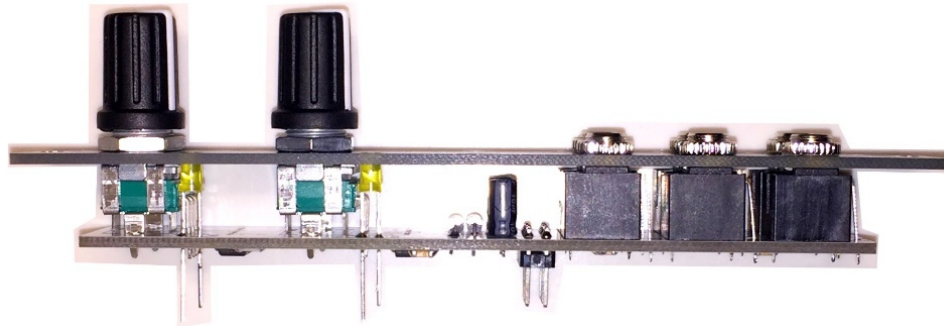
Double line on the board corresponds to the grey line on the diode



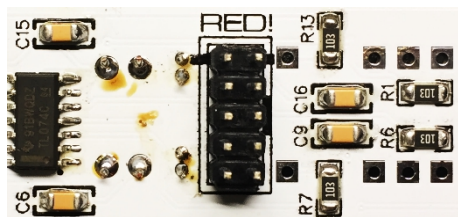
Solder 1X power connector



Place the jacks and the potentiometers.  
Place the LED, **positiv (big leg) goes in the sign +.**  
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 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 !