

My TimeLume unit

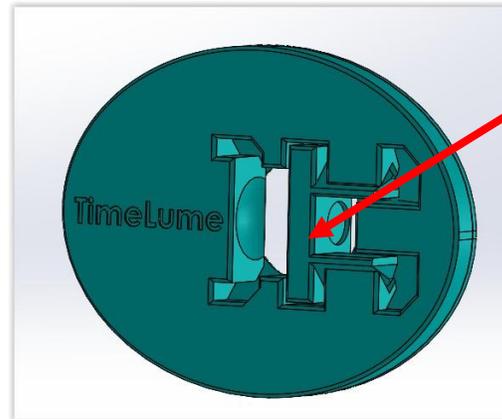
V. 2.1

Building process step by step:

Using your 3D printer, you have to print 4 or 5 parts depend on the version you select.

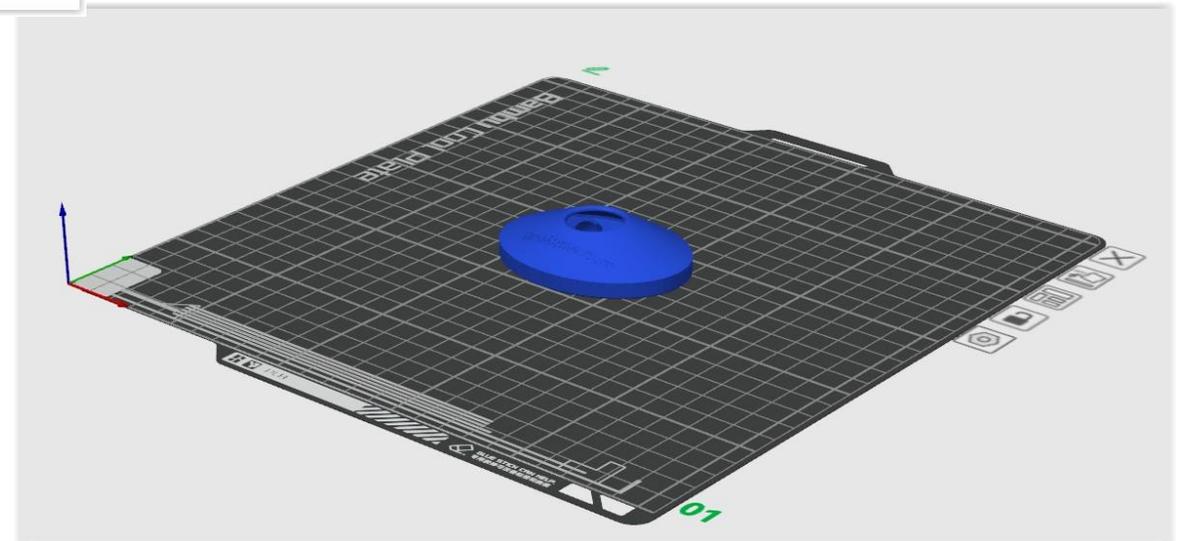
Explanation about the versions will be given in the description below

Item #1: The Elliptical base

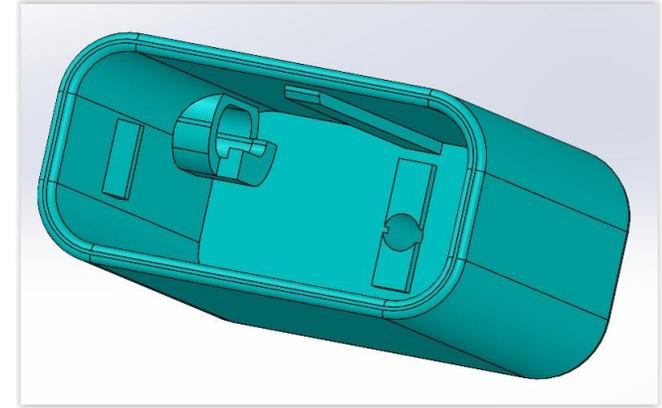
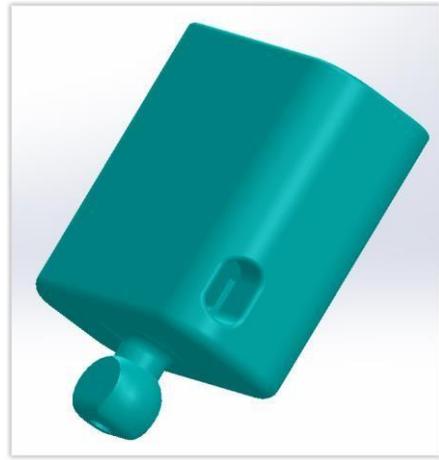


This is in integral slider. Make sure it is movable after printing. If it is not moveable, you shall push it to release it.

We recommend printing the part with no support as follow:

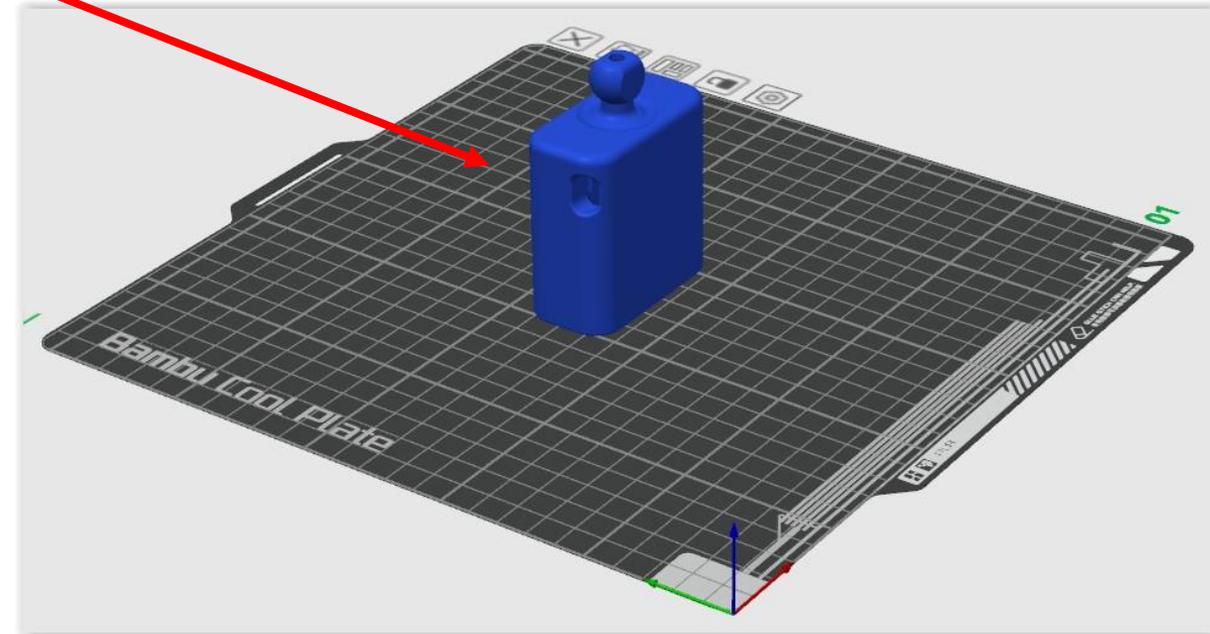
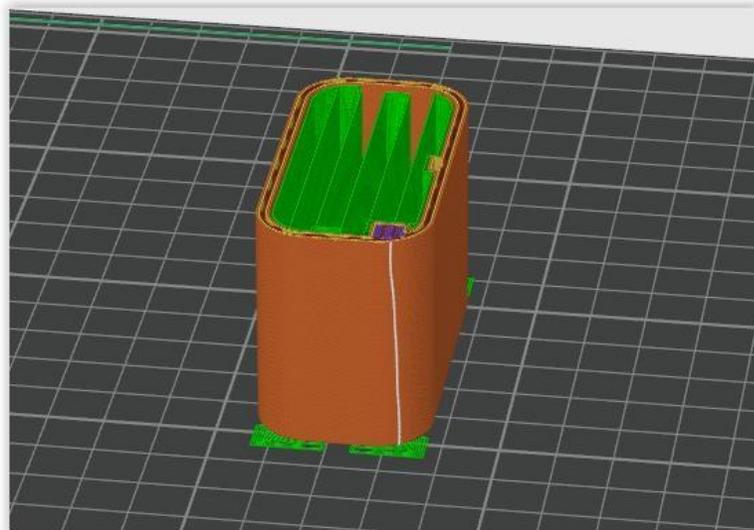


Item #2: Enclosure



We recommend printing the part With Support as follow:

Bellow is a cross section of the support pattern we used



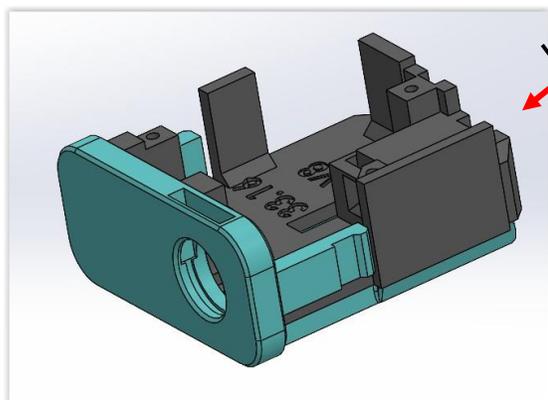
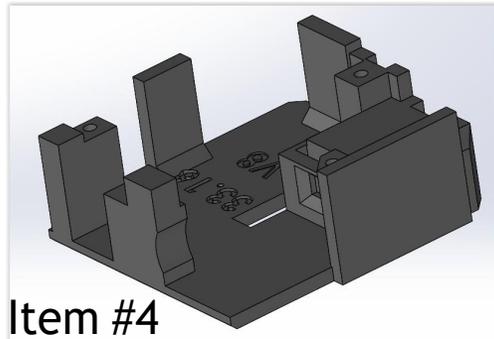
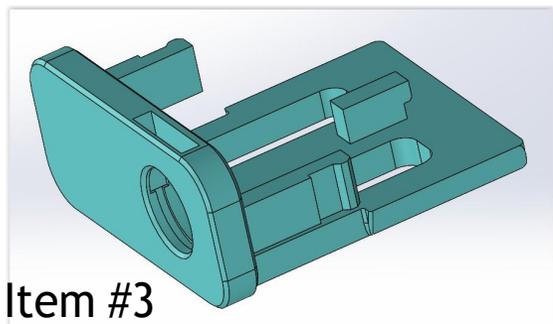
Two options for the internal part

Option 1

Print the two parts and attached them as bellow.

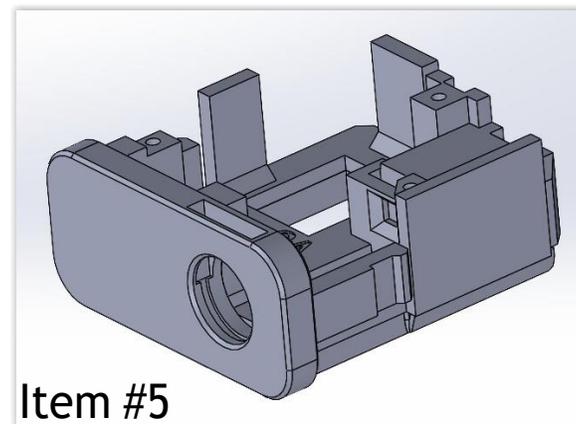
Front panel. Any color.

PCB Carrier. Black color



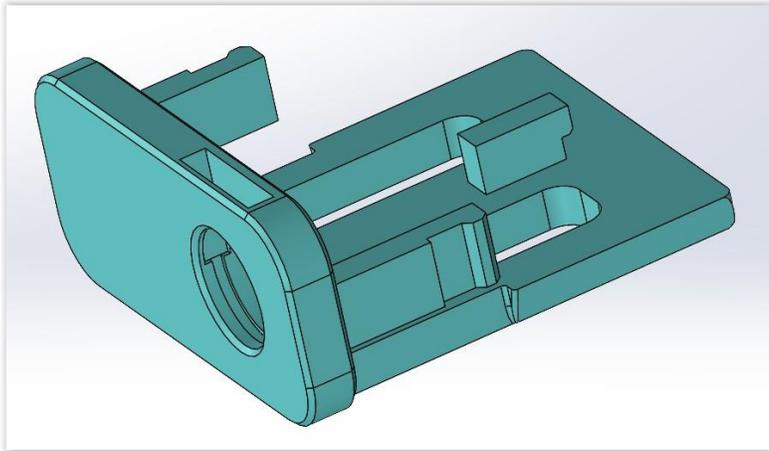
The LED is inserted at the PCB carrier. Black carrier prevent the light from causing the whole unit to light.

Option 2

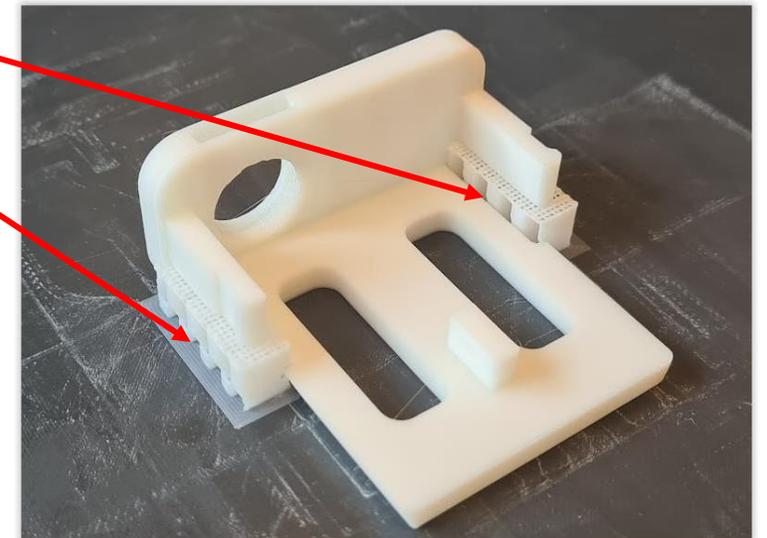
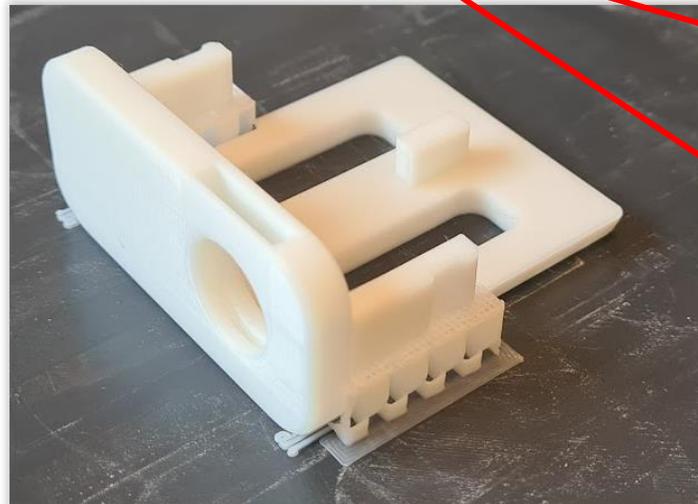


If you select a dark color to the front panel you can use the option to print **ONE** part which is a combination of the front panel and the PCB carrier.
The LED light will not light the whole unit.

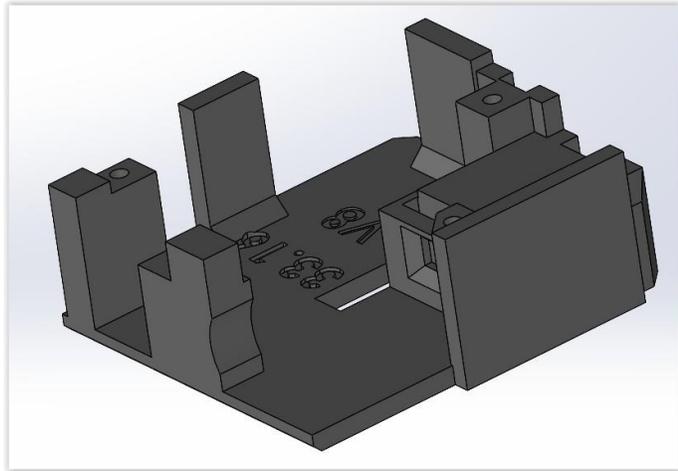
Item #3: Front panel



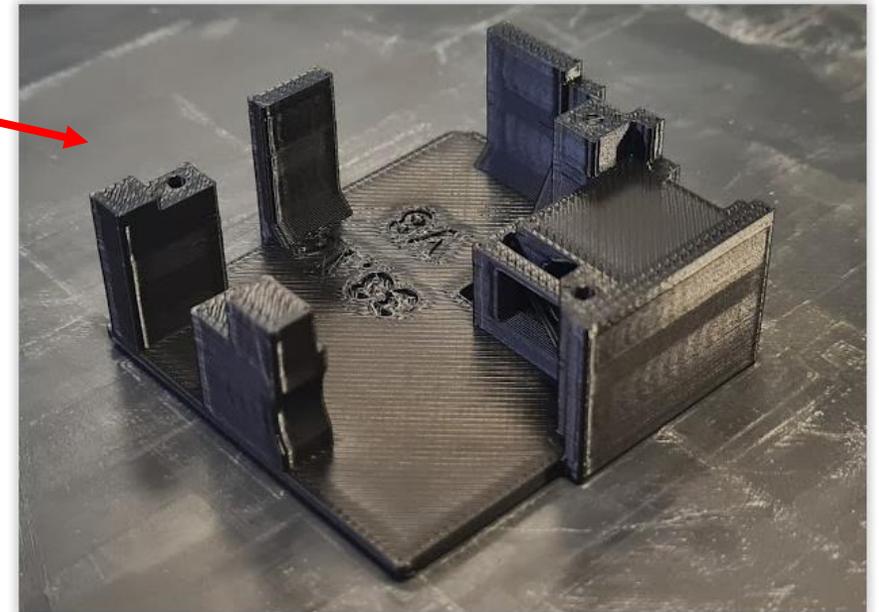
We recommend printing the part with Support as follow:
Use the “**support on build plate only**” option in your slicer software.



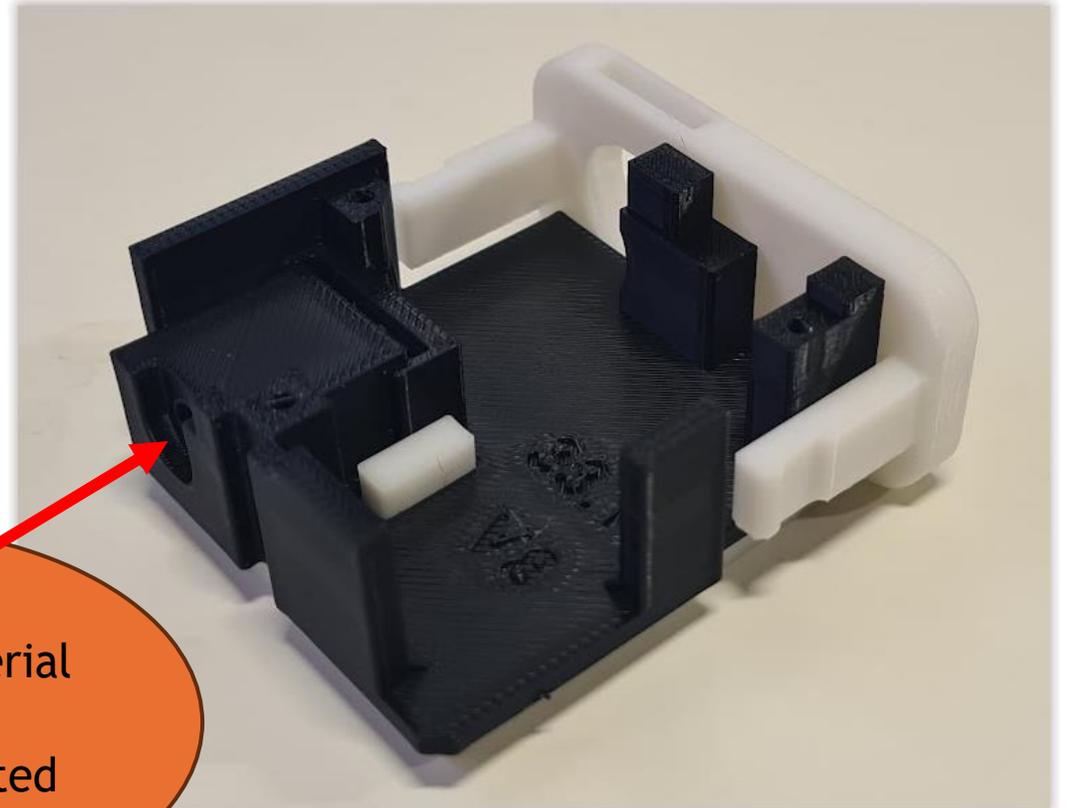
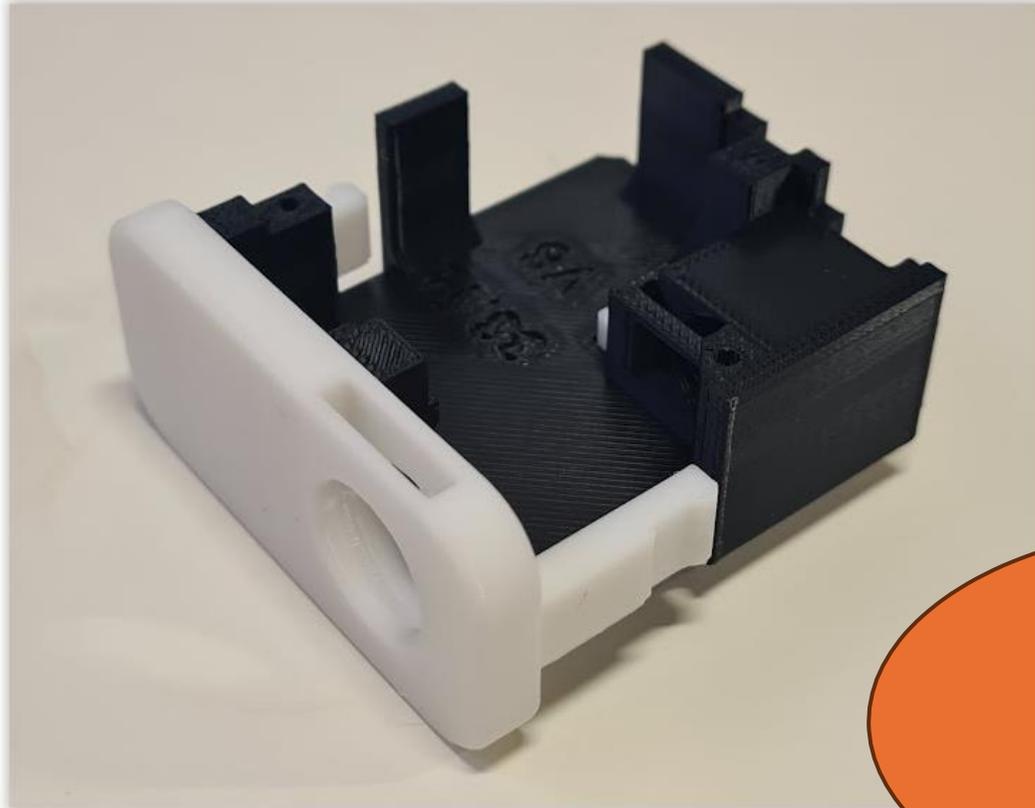
Item #4: PCB carrier



We recommend printing the part with NO Support as follow:

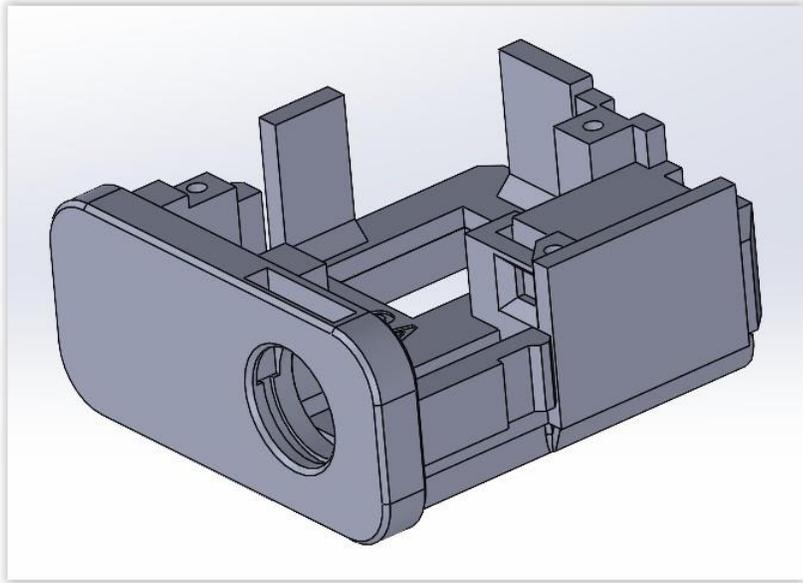


Front panel + PCB carrier, assembly.

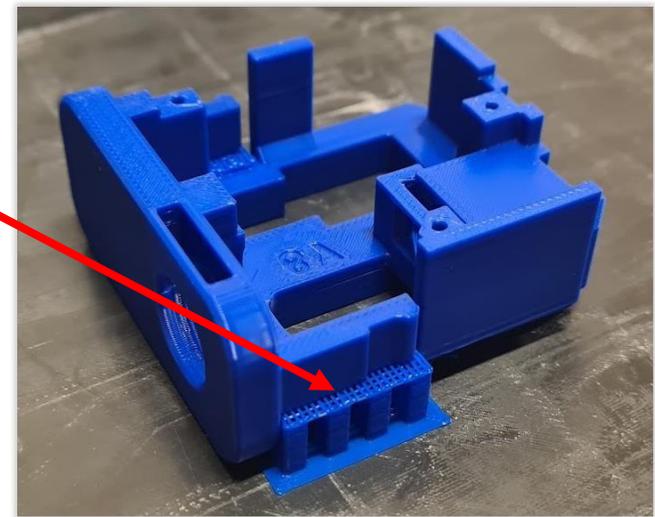
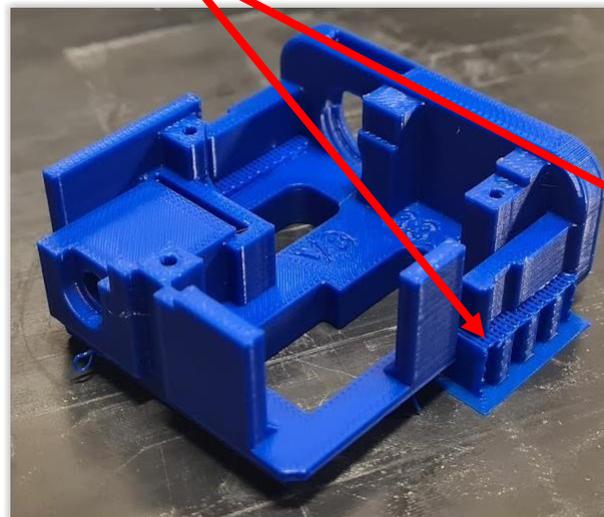


Led hole.
The black material
prevent light to
emit at unwanted
direction

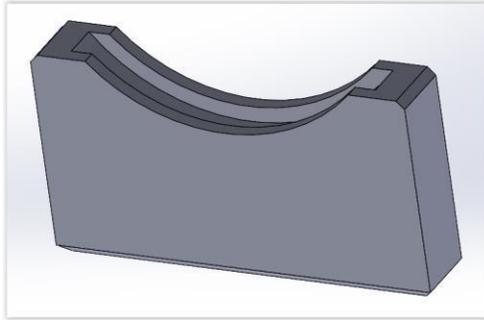
Item #5: Combined PCB carrier



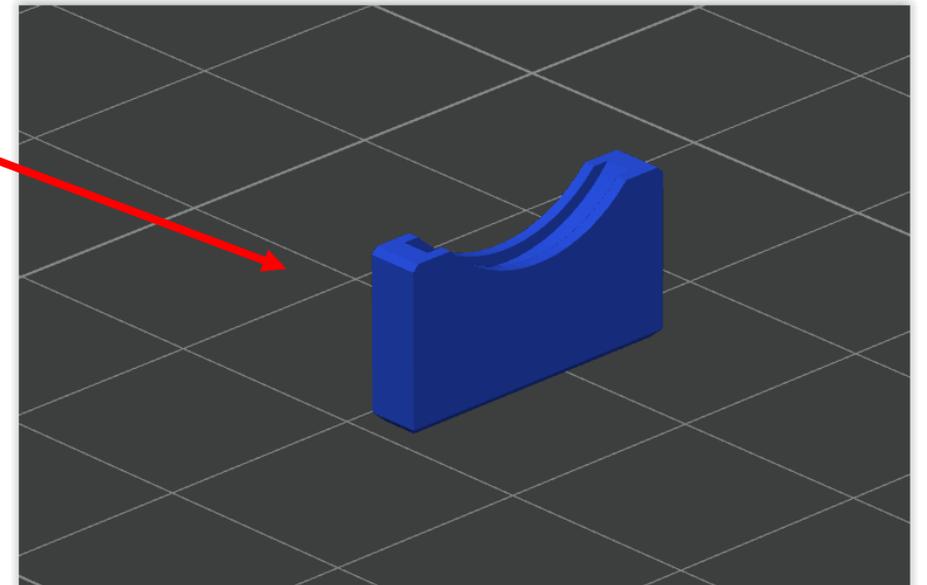
We recommend printing the part With Support as follow:
Use the “**support on build plate only**” option
In your slicer software.



Item #6: Lens fixing bar

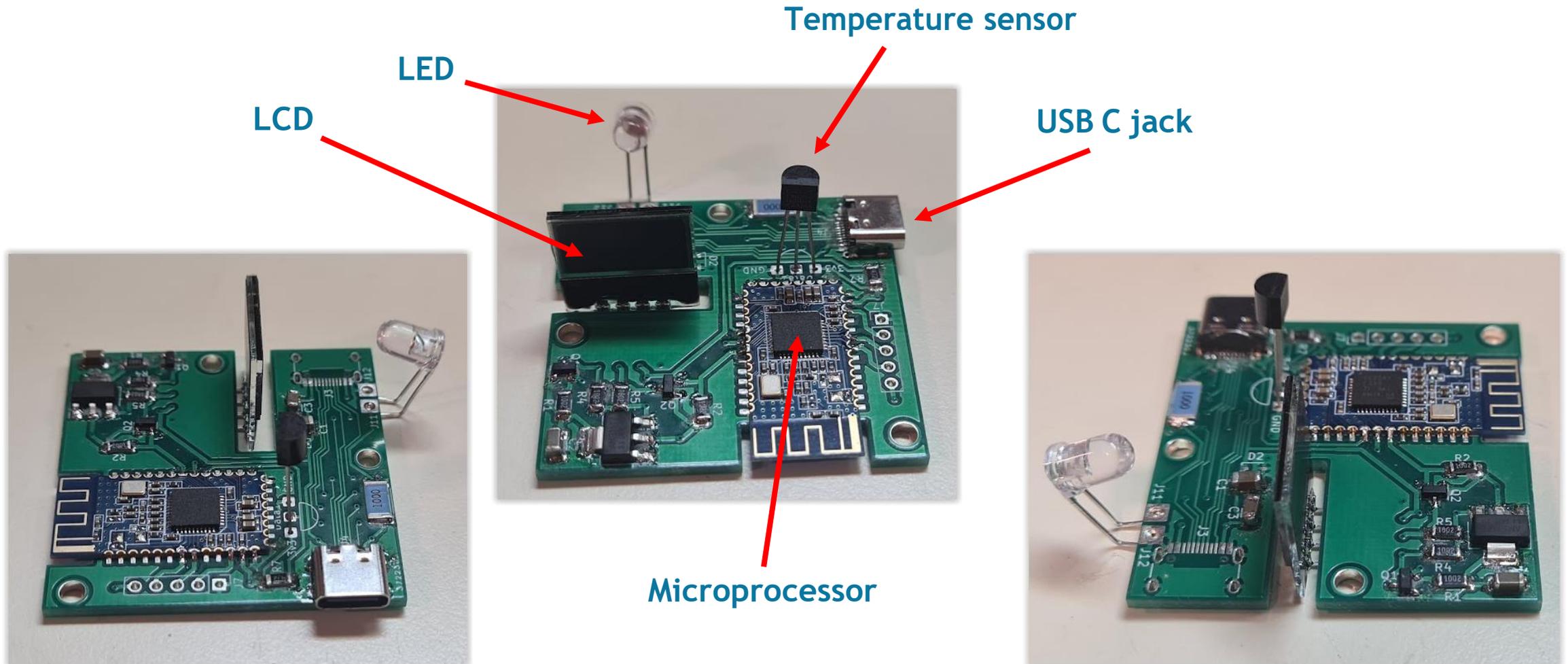


We recommend printing the unit with No Support
Recommended orientation as follow

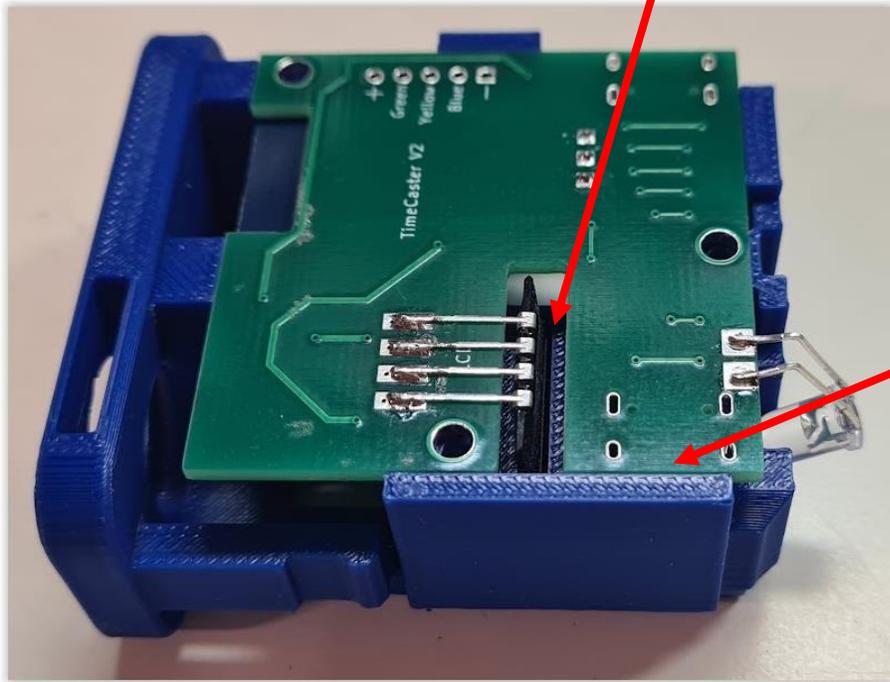


The electro optical unit

The electro optical unit comes preassembled. It contains PCB with the Microprocessor and electronic parts, LCD, light source (powerful red LED) and temperature sensor.

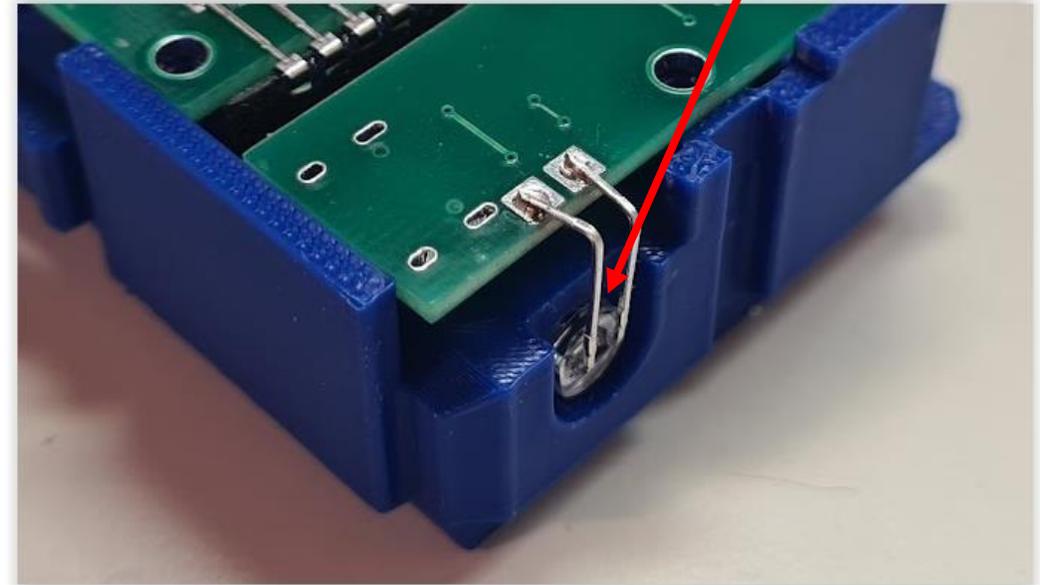


1. Please slide the LCD into the groove at the PCB carrier

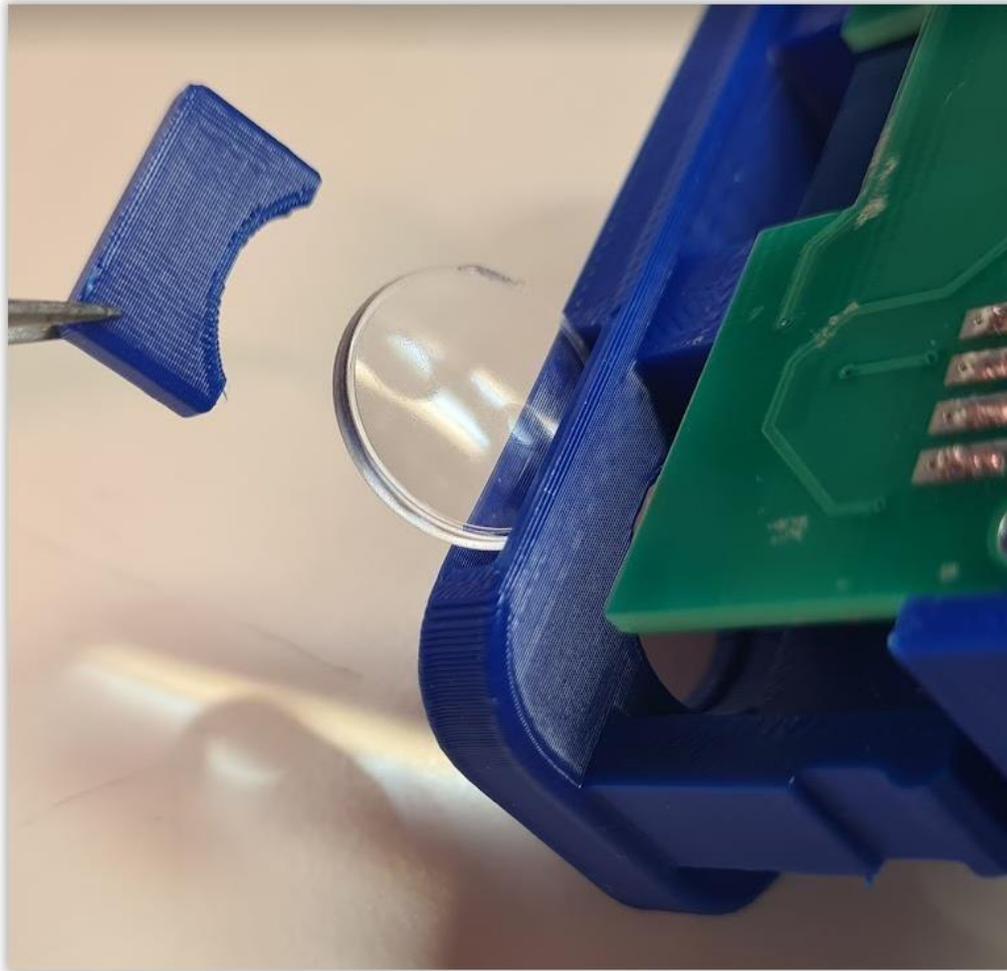


2. Press the PCB into the PCB carrier for a full and tight contact

3. Now push the LED into its hole



4. Slide the lens into the lens house and then slide in the Lens Pressing bard to hold it in place



6. Slide the PCB carrier into the box until you hear the Click (meaning it sit properly in place)

