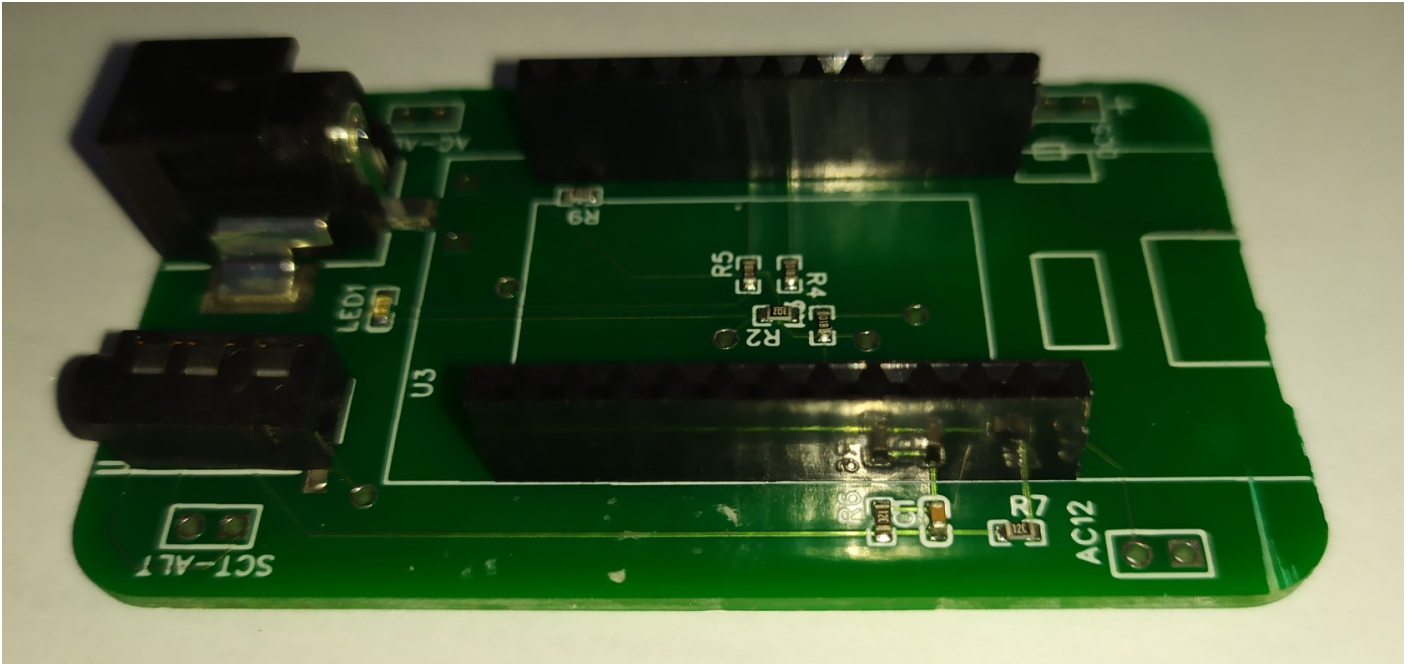


# 10 - Creation of the PV router with a TTGO-Tdisplay

The creation of the Pv router with the card adapted for the TTGO Tdisplay is currently the fastest



this card can be ordered from the [APPER association](#), and its purchase is considered a donation and therefore partially tax deductible.

The rest of the components can be ordered from various component suppliers. ([Aliexpress](#), [Amazon](#) ...)

The display: TTGO Tdisplay



[Amazon...](#)

### the probe SCT013-30A

[Amazon](#)



### A 12V recovery power supply

- You have to find an old 9-12V coil power supply in a drawer to convert it to AC power  
(or buy a power supply from [openenergymonitor.com](#))



12V AC power supplies as standard are very rare.

A classic USB power supply (1A max)



The card once mounted with the TTGO can be integrated into the box sold by the TTGO

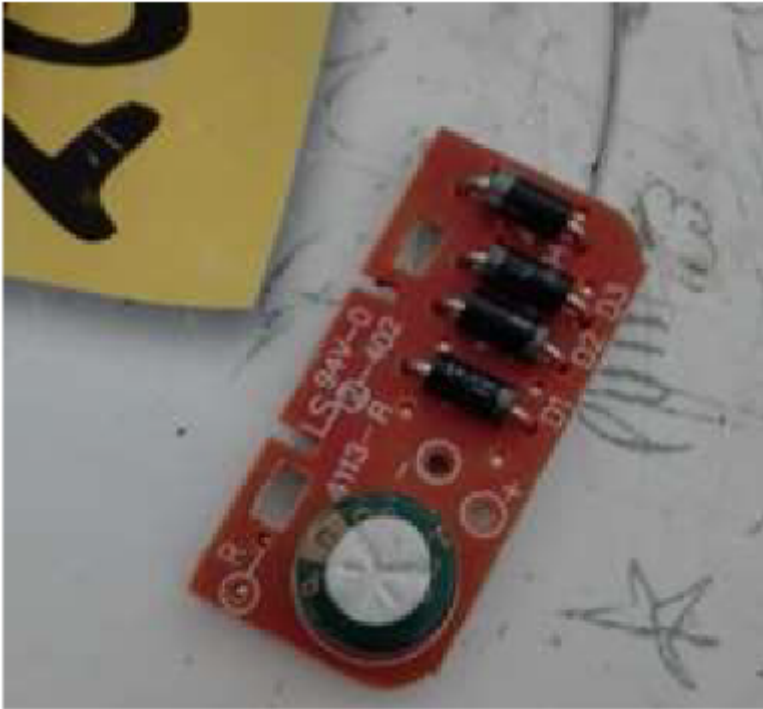


to then be integrated into a table or other after uploading



Preparing the 12V-AC power supply

You have to open the power supply and remove the diode bridge present inside.



then resolder the coil outputs to the 12V power cable





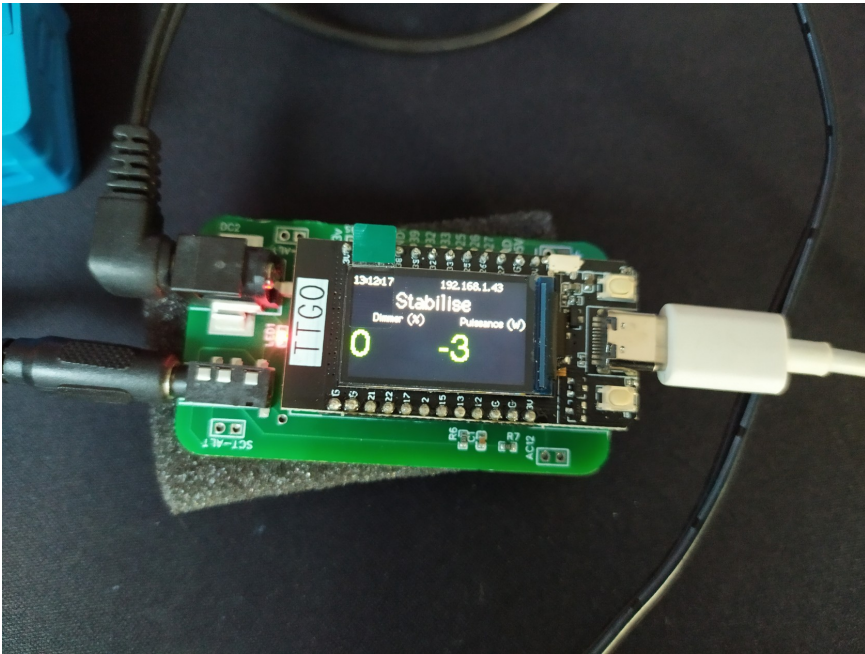
Your 9-12V power supply is now ready.

It is advisable to check before the AC voltage delivered by the power supply.

## Upload

Once the assembly is mounted, you can upload the firmware as [indicated in this post](#)

you will in principle have a functional Pv router



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