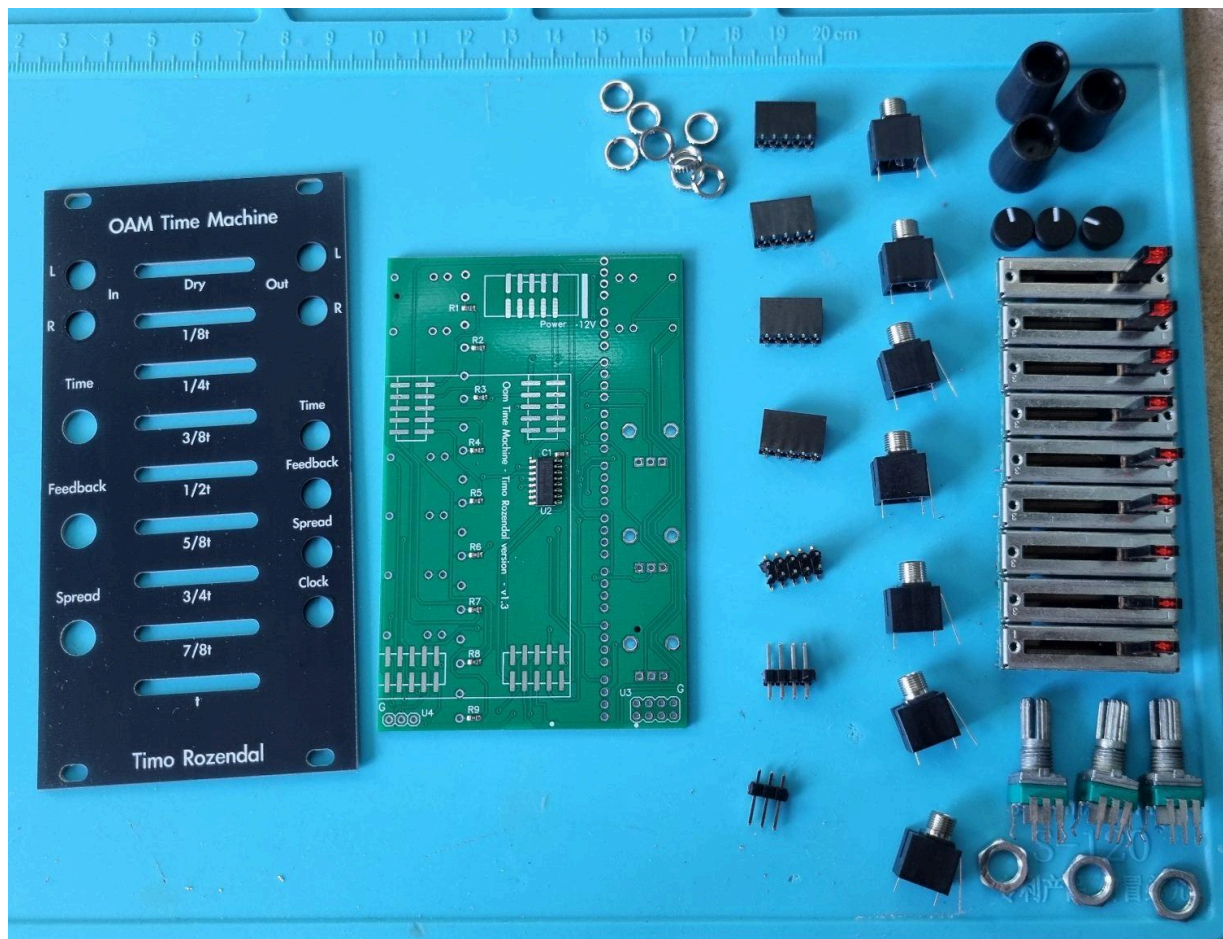
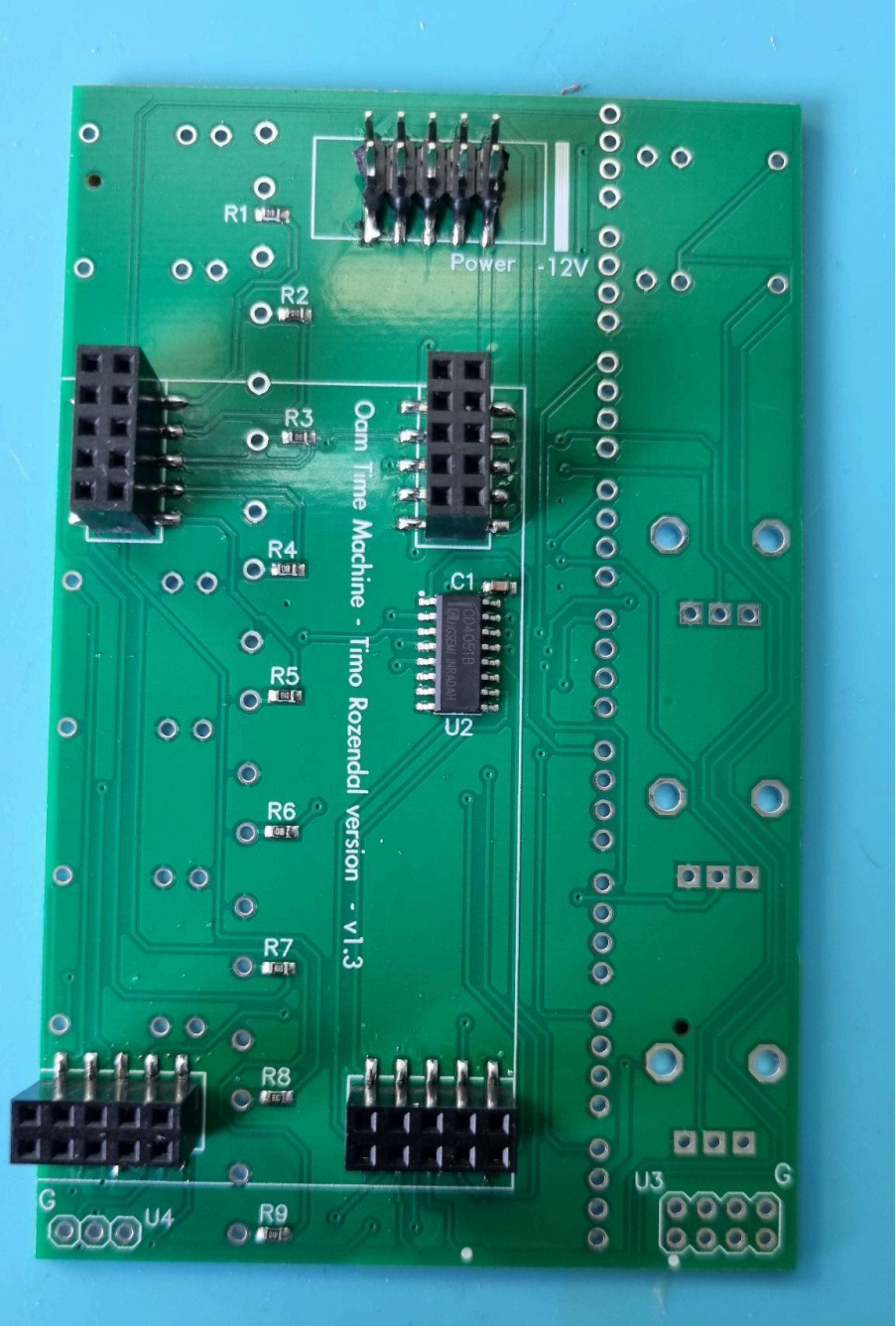


OAM Time Machine, DIY version by Timo Rozendal - Build guide

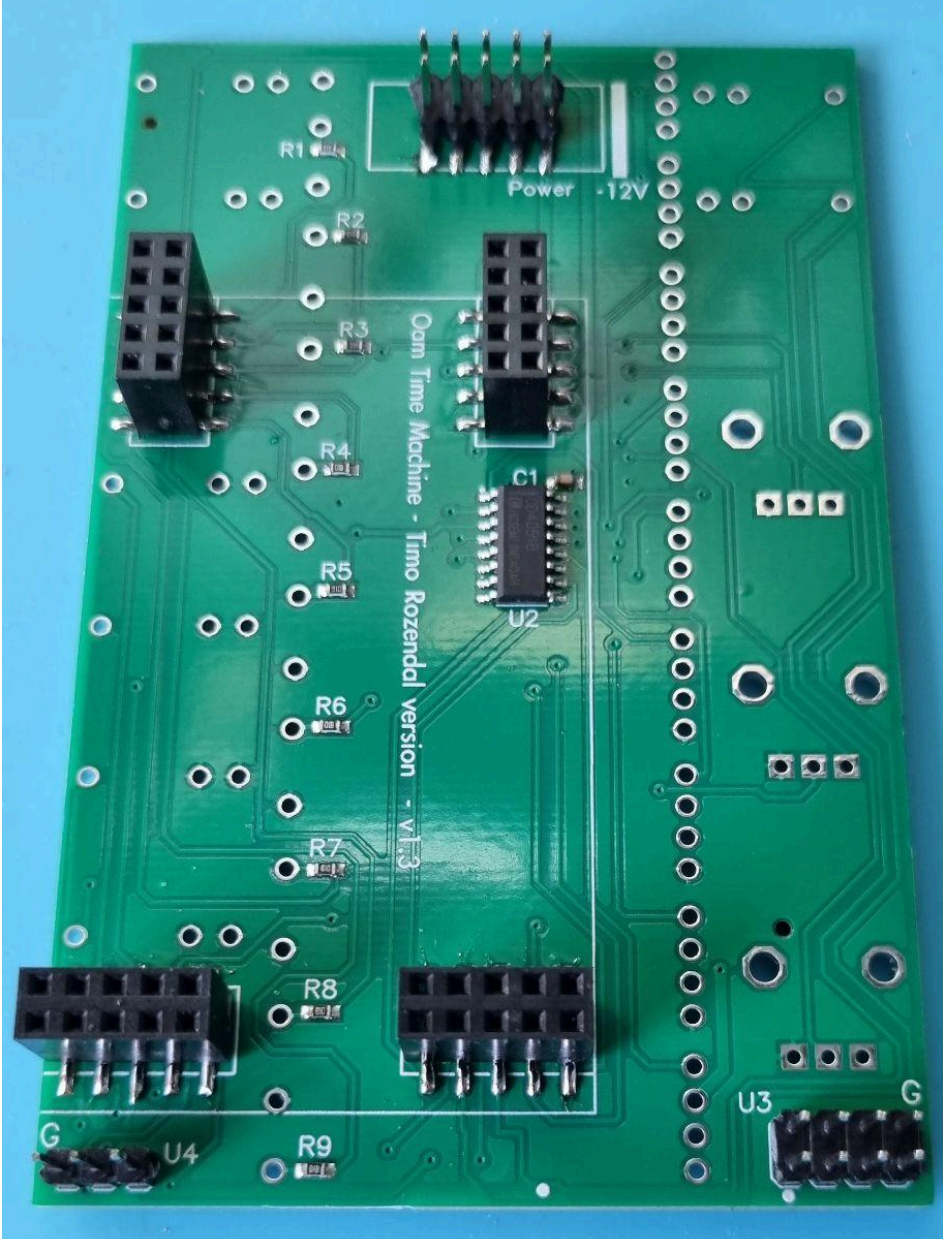


All the production files and the full BOM can be found [here](#)

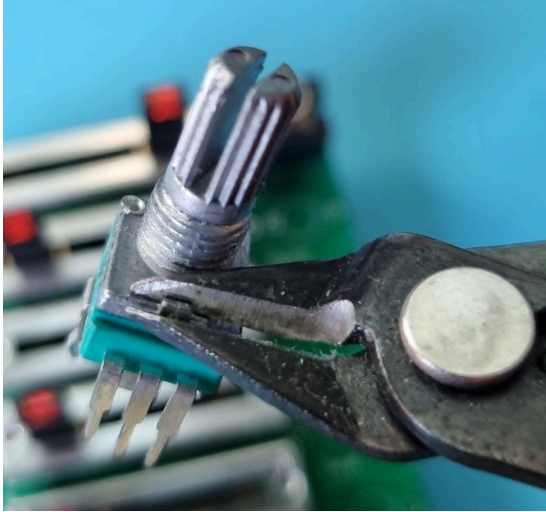
Start with the SMD resistors, 4051 chip and the 100nf capacitors (if those are not done yet) and then continue with the SMD headers



Next up are the two through hole headers (expander and i2c)



Snip off the lid from the potentiometers (if yours have that lid)



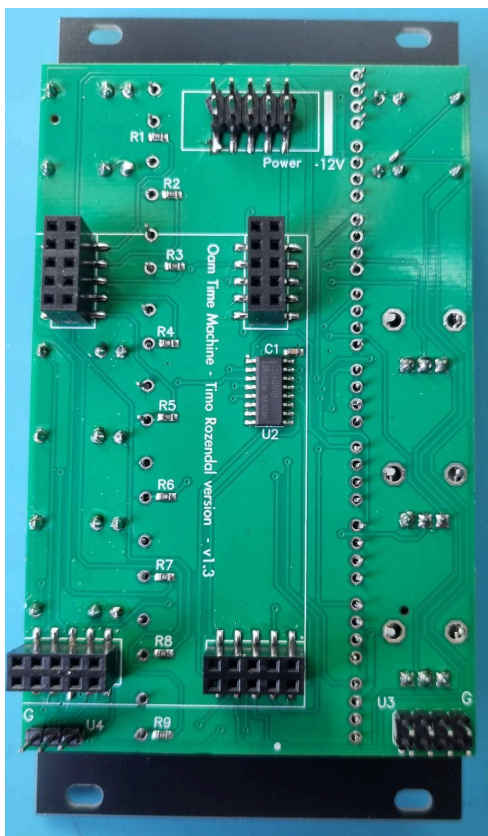
Place all the UI elements, but don't solder them yet



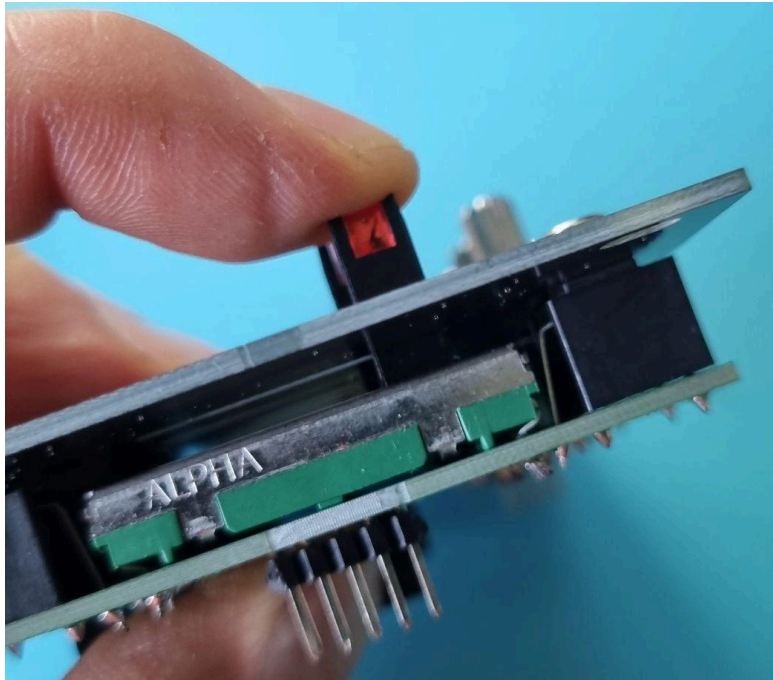
Put the panel on it and fasten the jack and potentiometers



Now solder the pots and jacks (wait with the sliders)



Now, do one pin of each slider on one side
Then reflow that pin while holding that slider down



Then do one pin on the other side, reflow again while holding it down.
All the faders should now be flush.

Solder all the remaining pins of the faders

Add the knobs on the pots



Now program the daisy patch submodule (65mb!) by connecting it to your computer.
[Here](#) are the instructions and the firmware for use with together with the expander
[Here](#) you can find the factory firmware, in the case you want to use it without the expander.

Finally gently place the daisy in the headers of the time machine and you're done!

