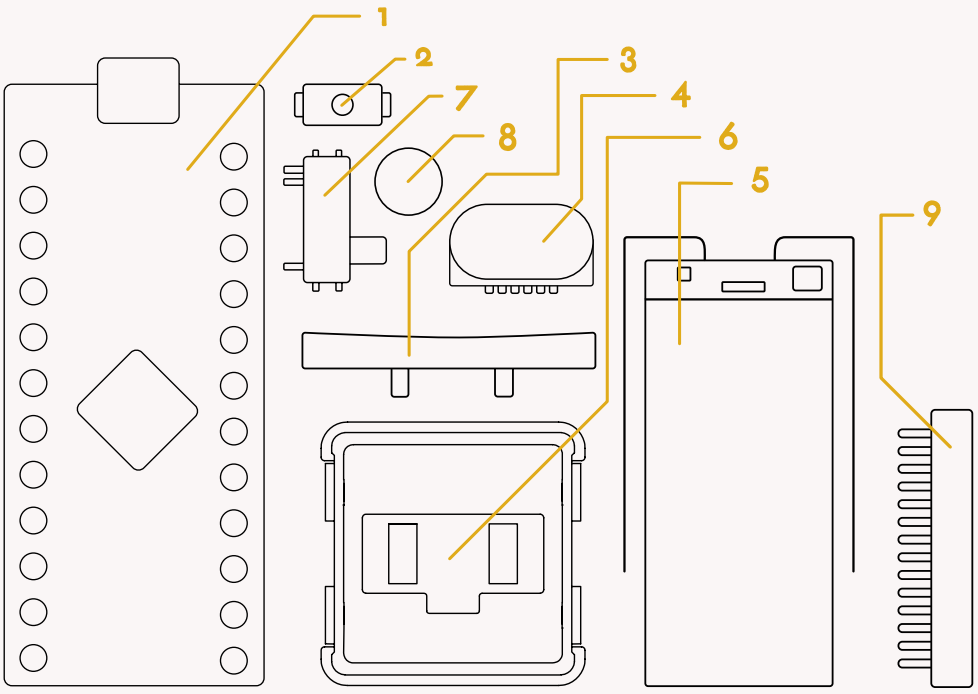
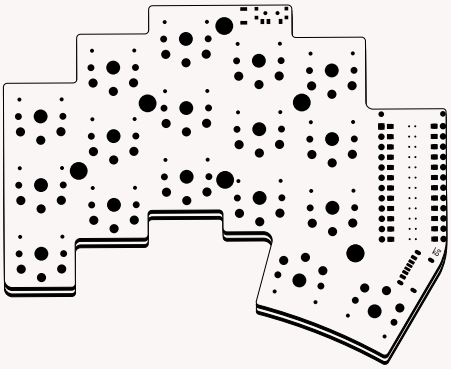
Assembly manual
Made with love by Lu Immich

Parts

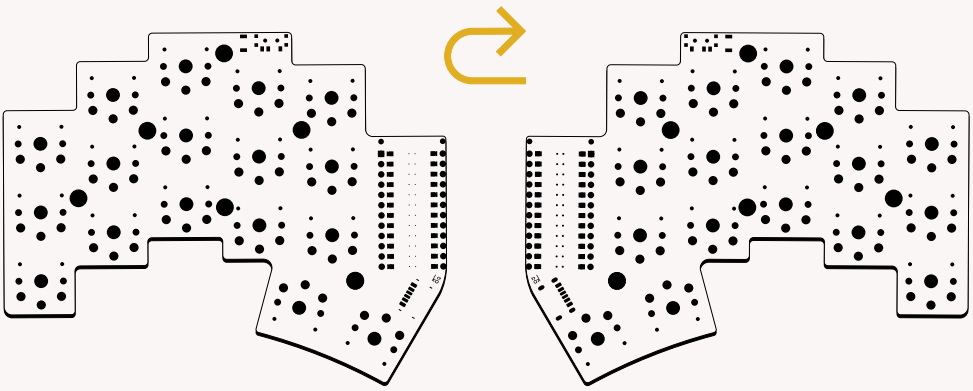
1	Controller (nrf52840 or promicro compatible)	2
2	Reset switches (omron b3u-1000p(m))	2
3	Keycaps choc spaced (mbk, cfx...)	34
4	Usb-c connector (type-c-31-m-17)	2
5	Lithium battery (301230 110mah)	2
6	Switches kailh choc v1 (pg1350)	34
7	Power switches (msk 12c02)	2
8	Rubber feet (8mm x 2mm)	8
9	Header (hot-swap 12pin)	4

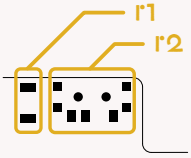


Assembly

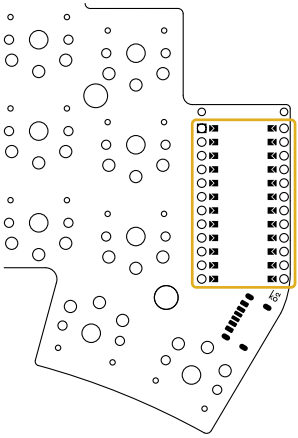


Separate 2 pcbs and flip one horizontally.

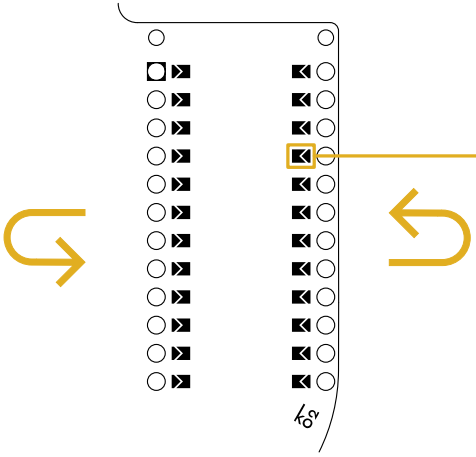




Locate r1 and r2. Place the reset switch on r1 and the power switch on r2.

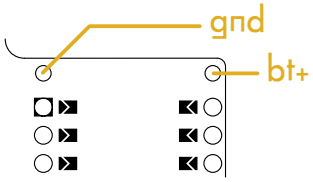


Locate this region and solder the headers and controller with the components facing down. If the headers that you have are not hot-swap be sure to test fit the battery under the controller before solder.

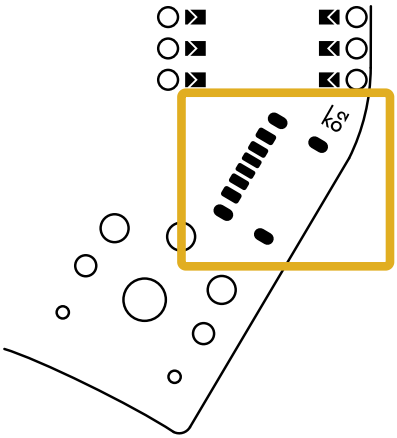


On the opposite side, the bottom, close the jumper pads

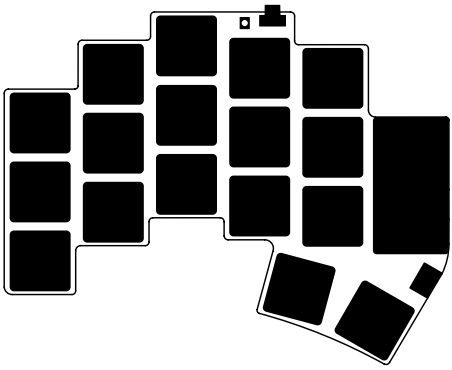
Before the connection of the battery check for shorts in solder joints.



Connect the battery, bt+ is the outer slot, gnd in the inner slot.



If you want to use a wired connection instead of wireless, place the usb-c connector in this region and don't install the battery.



Now the easy part, solder the switches in place. Add the keycaps. Choose your flavor of firmware and keymap. I recommend a variation of the miryoku and zmk firmware for wireless builds and qmk for wired builds.

This is a partial redesign made by Lu Immich of the Ferris Sweep 2 Half-Swept made originally by David Barr.

The rev. 01 only touches on aesthetic aspects of the board so it can use the same firmware of Ferris Sweep.