ArduiBox Feather
Rev A

construction manual

Rev.	Date	Description
A	2023-10-10	First Release

Tools:

a regulated soldering iron (25..40W) with small tip

a wet sponge to clean the tip

thin solder wire

Side cutting pliers

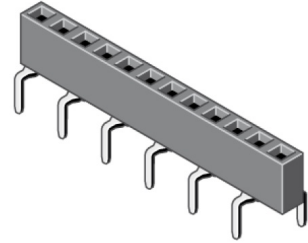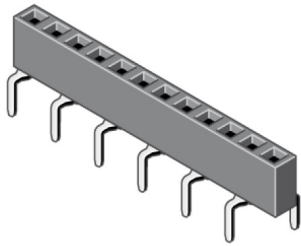Needle nose pliers

Medium cross slot screwdriver

Parts:

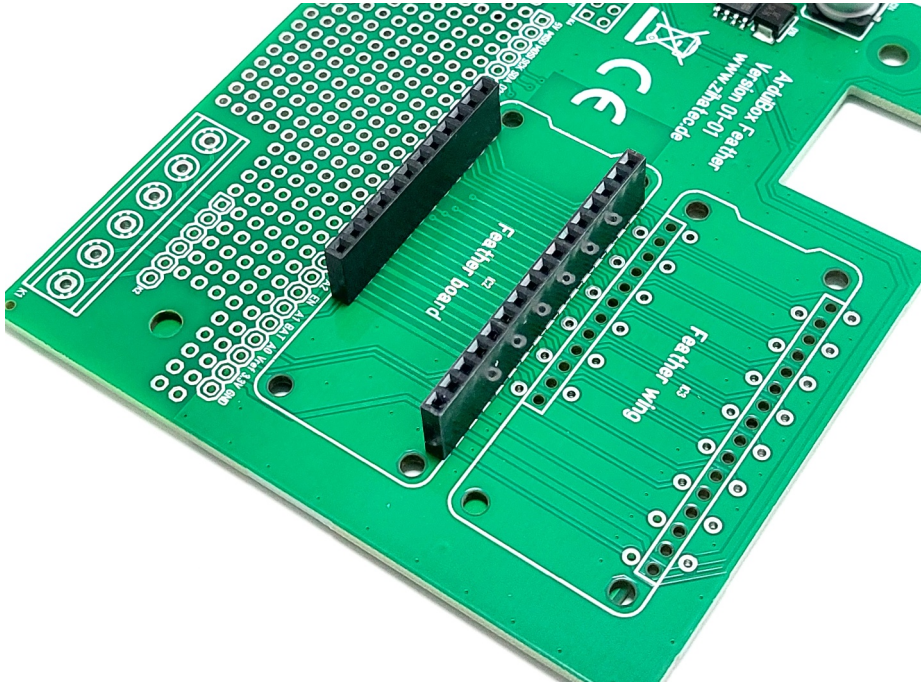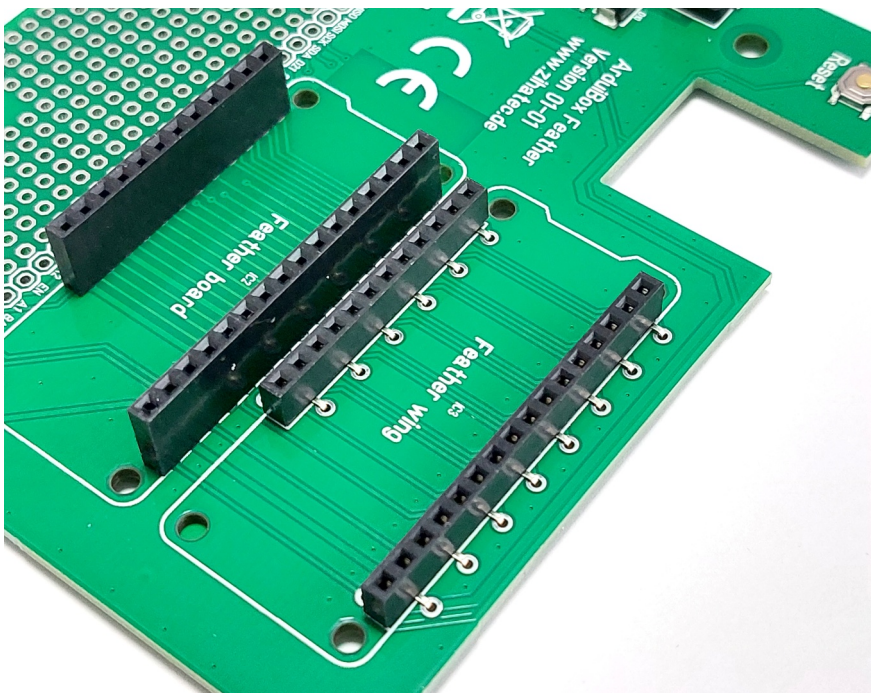|		
1x 2pole terminal block	2x 3pole terminal block	1x 12pole centipede header
1x 16pole centipede header	1x 12pole female header	1x 16pole female header
1x 2x5pole female header	2x self-tapping screws	

1.)   Place and solder the female headers

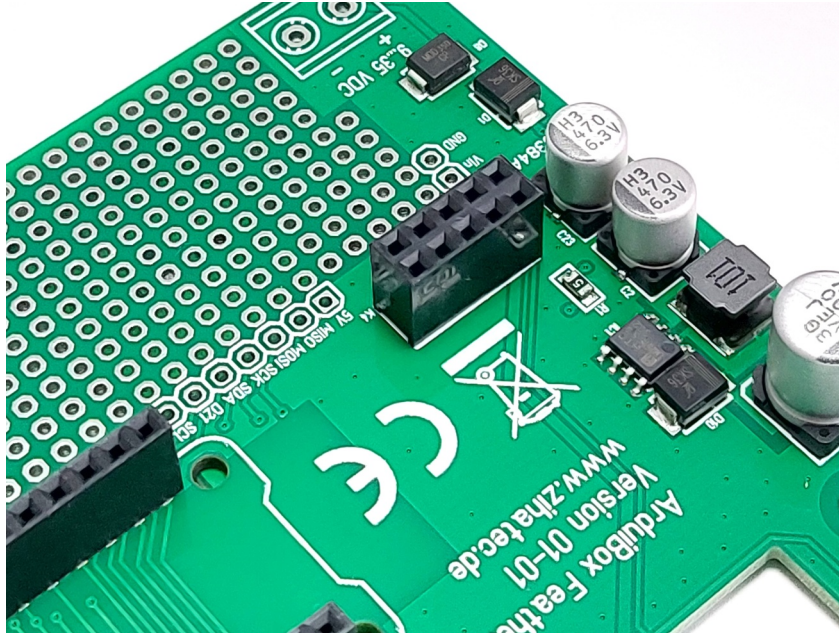*Please assemble and solder the both female headers as in the picture below:*

2.)   Place and solder the centipede headers

Please assemble and solder the 2 centipede headers as in the picture below:
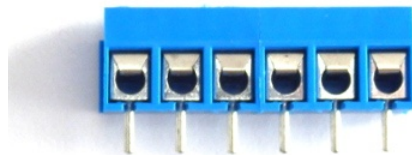
3.) Place and solder female header K4

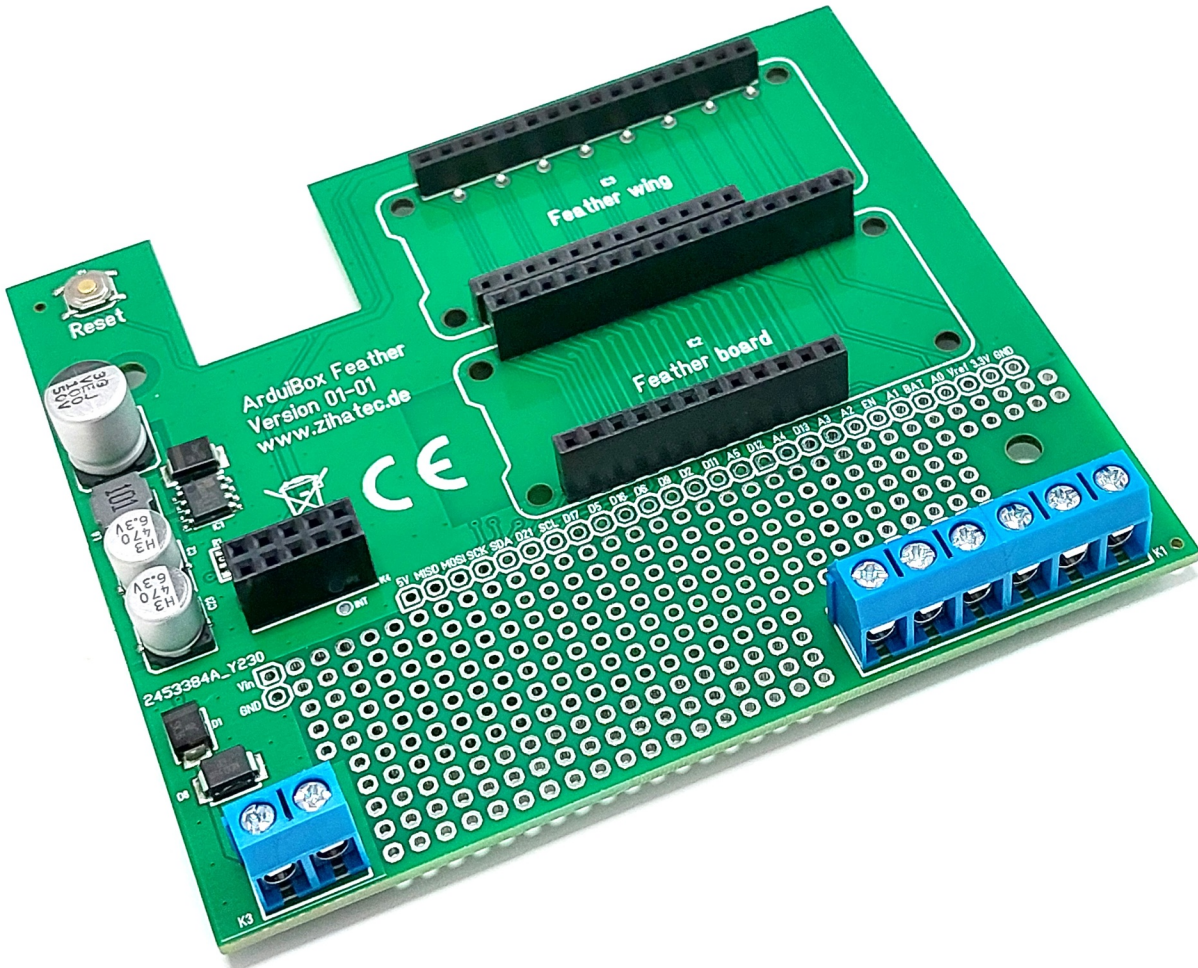*Please assemble and solder the 2x5 female header as in the picture below:*

4.) Preparing of 3pole terminal blocks

Find the terminal blocks, they're grey or blue and come in 3-pin shape. We'll need to slide two 3-pin blocks together:
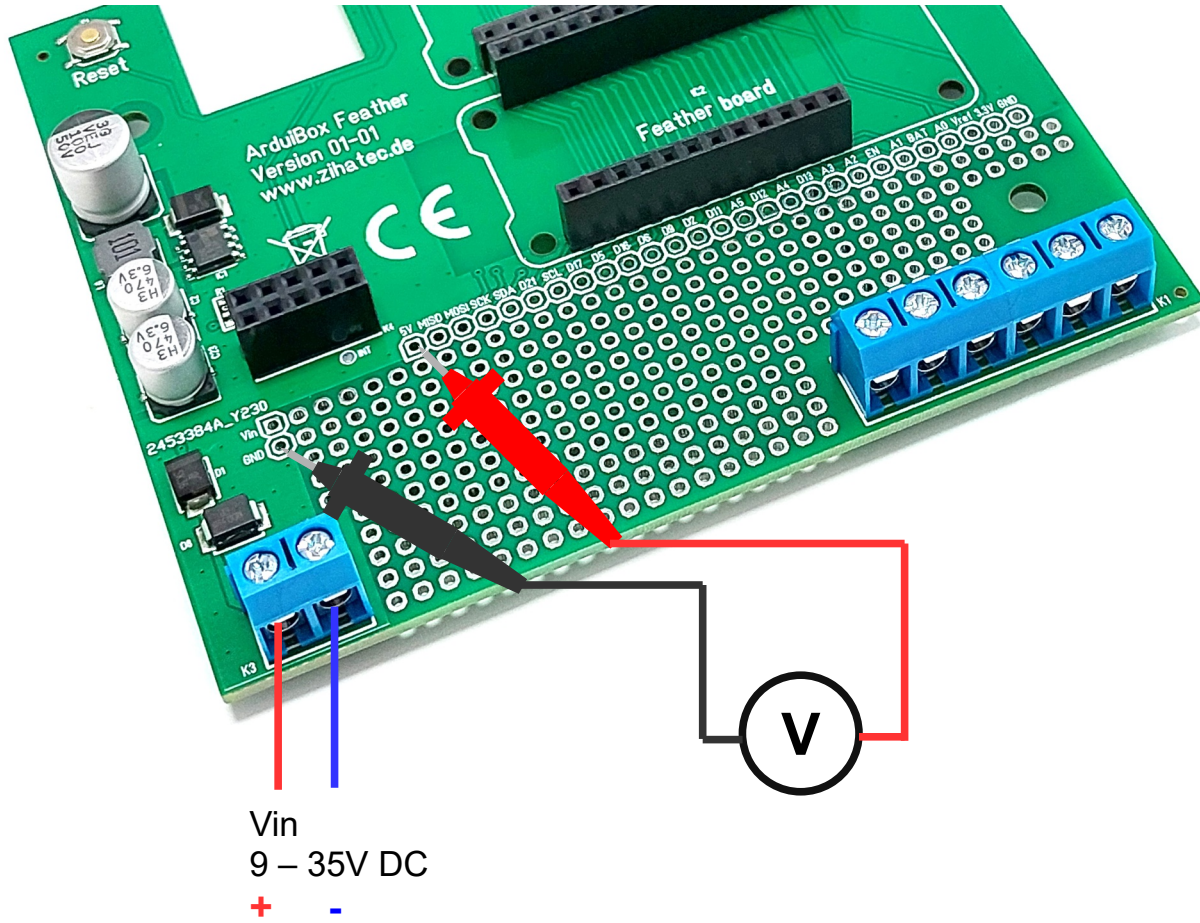
5.) Place and solder the terminal blocks

We've to put the blocks into the proto plate. Make sure you place them so that the open ends are facing out as shown:
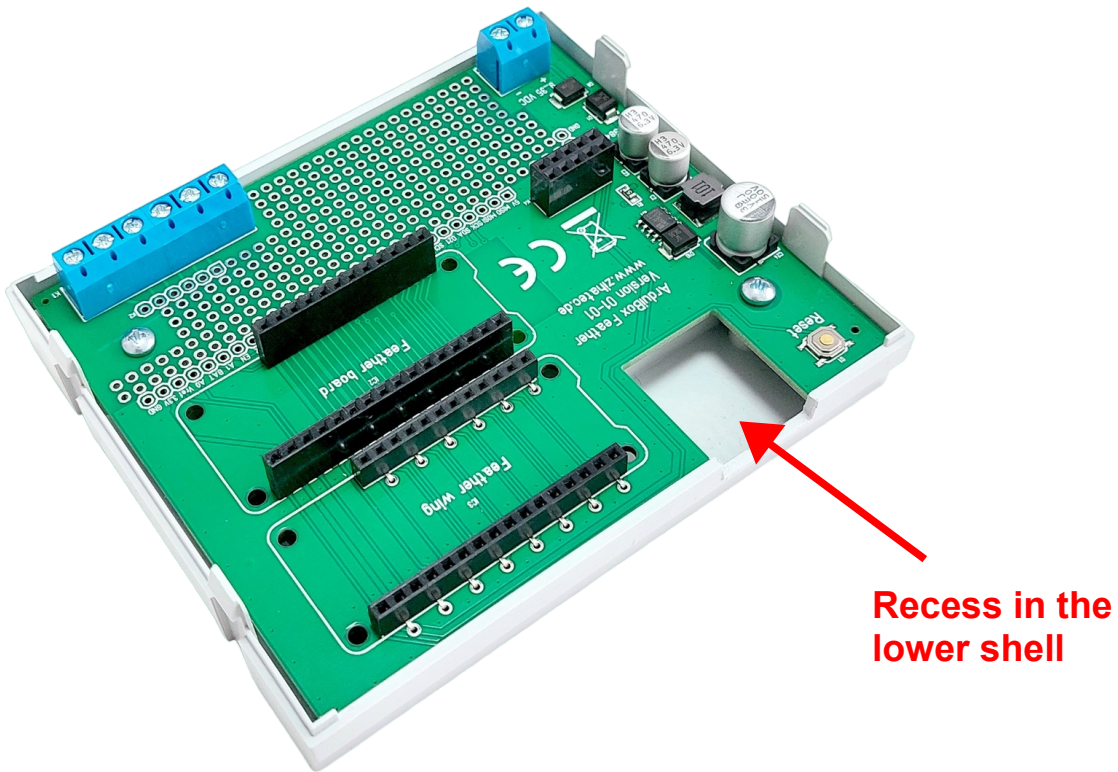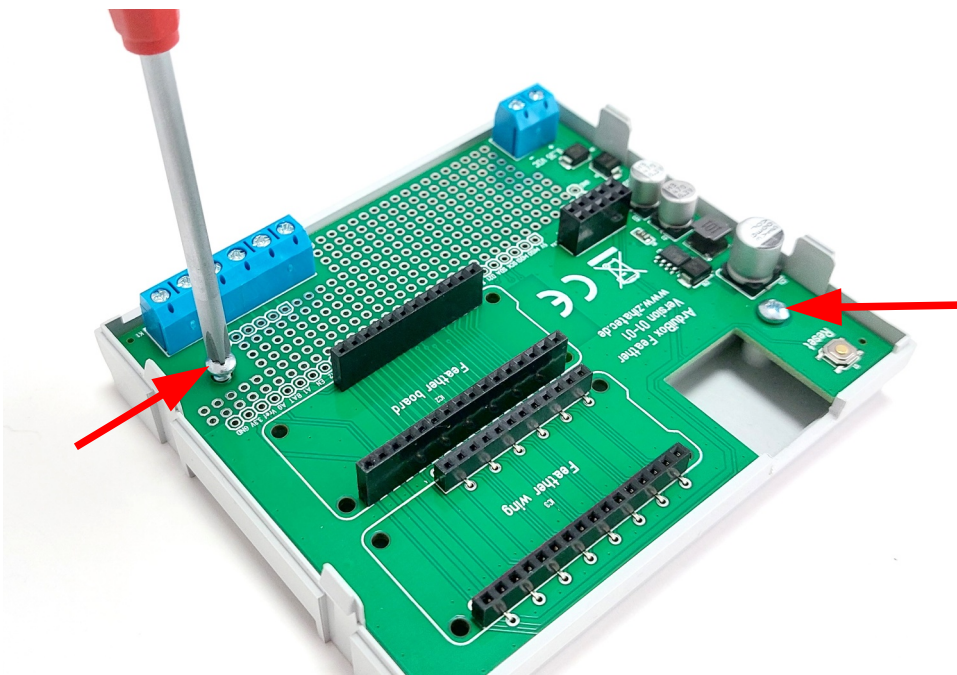
6.) Test the voltage regulator

Vin
9 – 35V DC
+   **-**

You have to measure a voltage between 4.9 – 5.1V between GND and 5V pad!

7.) Mount the pcb into the bottom shell
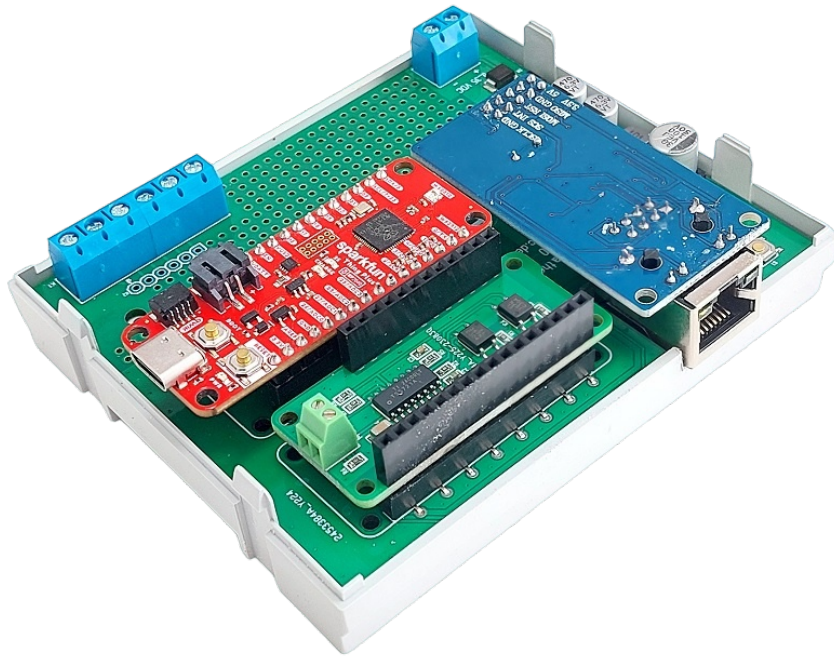
Recess in the lower shell

8.) Fix the pcb in the lower shell with the screws

9.) Mount the Feather boards

It's time to mount the Feather board and optional wing and/or Ethernet module:

10.) Mount the top shell

Finish!