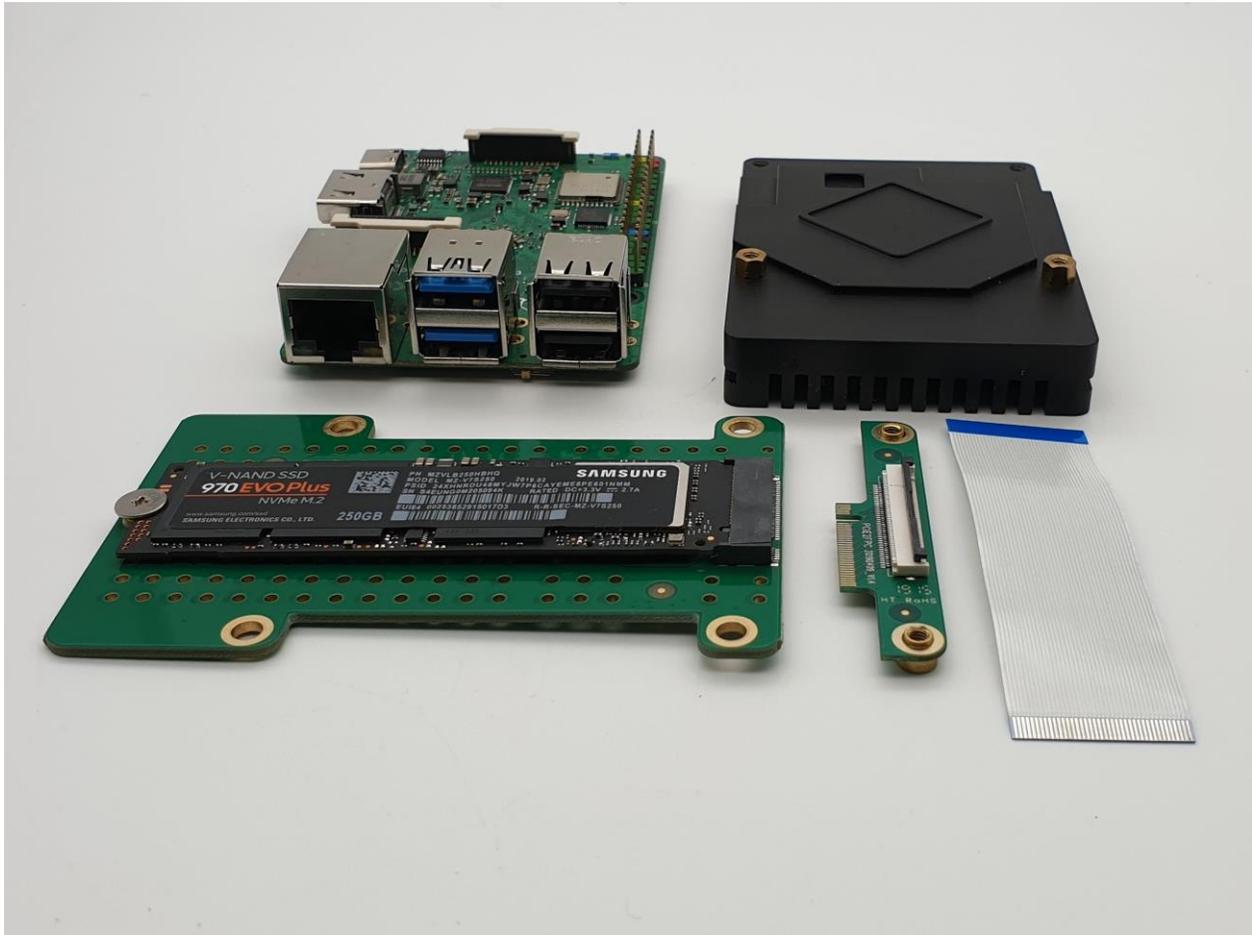


How to mount the M.2 1.4 extension board

The M.2 1.4 extension board has a lot of improvements to the previous version.

The reduction of length, made it possible to move the FPC connector on the M.2 Extension board to the bottom side of the PCB. That is why there is also a new ribbon cable included in the package. The new FPC ribbon cable has contacts on opposite sides of the cable.

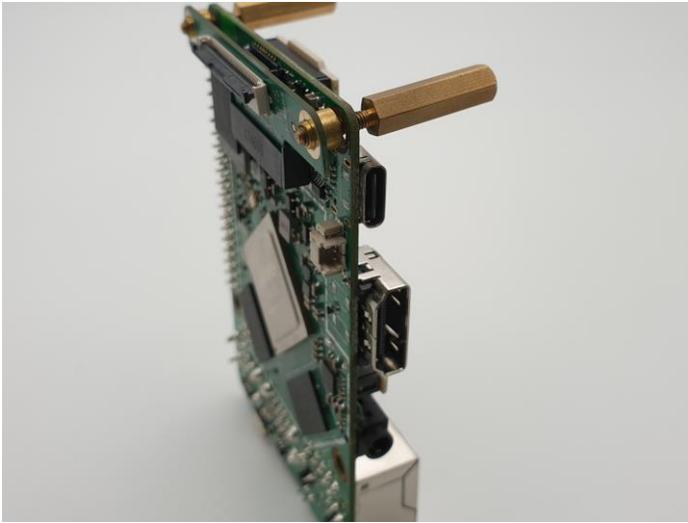
We want to explain here how the parts of the M.2 extension board are assembled in the correct way.



In the M.2 Extension sets there are copper bolts for the correct assembly on the ROCK PI4. The board can be mounted on the top or bottom of the ROCK PI.

STEP 1:

Insert the small pcb which comes with the M.2 extension board and insert it into the M.2 connector on the bottom side of the ROCK PI4. Turn the board around and use the copper bolts to fix the mini pcb.

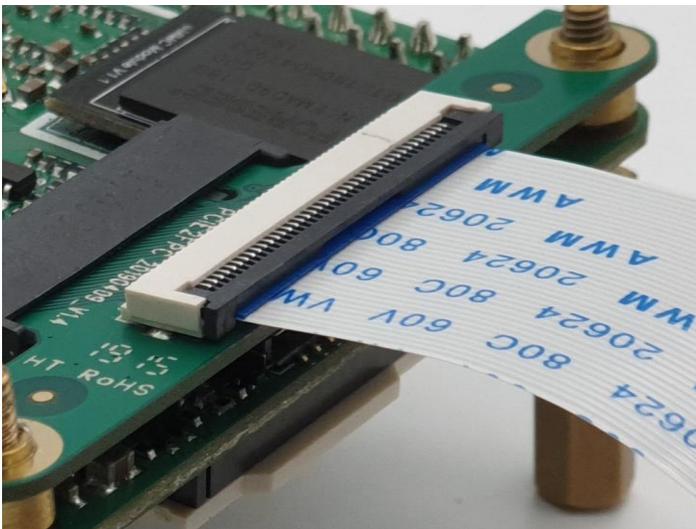
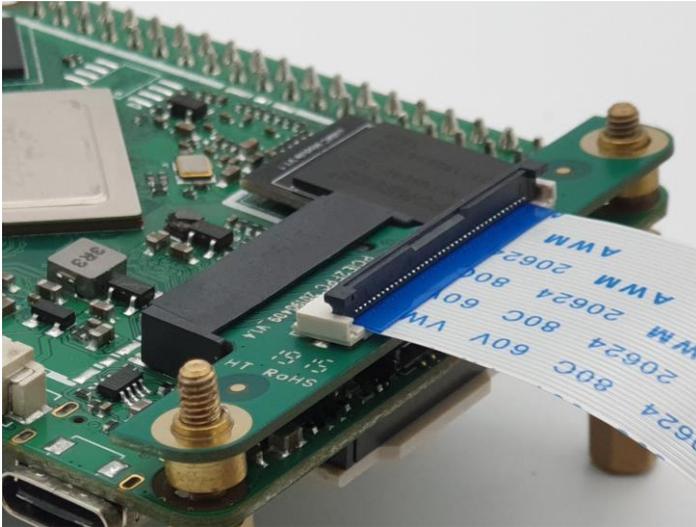


Now open the FPC connector in lifting the black part in the center up.

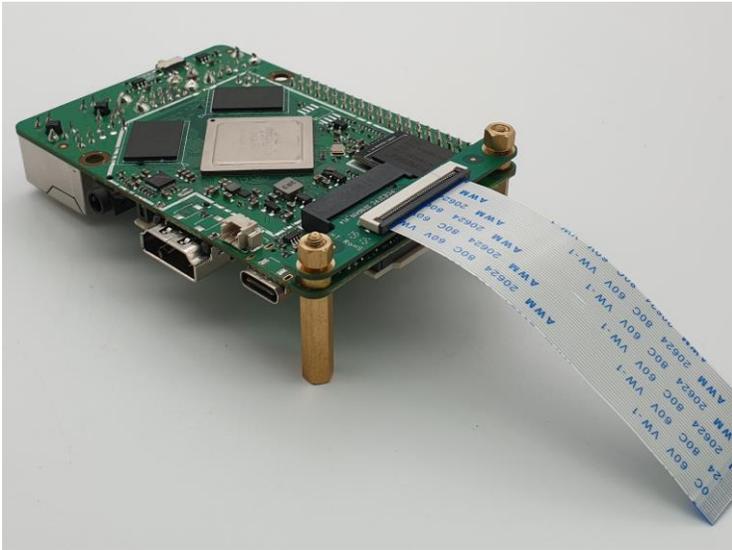


STEP 2:

Insert the FPC ribbon cable with the blue side up into the FPC connector and lock it in closing the black part in the center. You can hear a “click” when the connector is closed.



Now add the copper spacers on top of the bolts and and put the heatsink on the top.

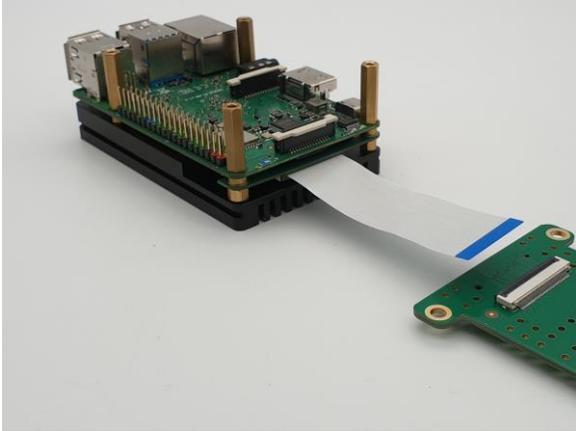


Turn the board around and screw the bolts into the heatsink to finalize the mounting of the board.

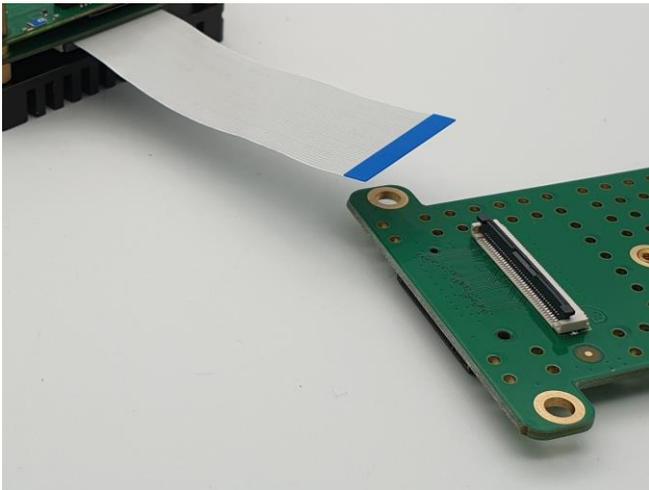


STEP 3:

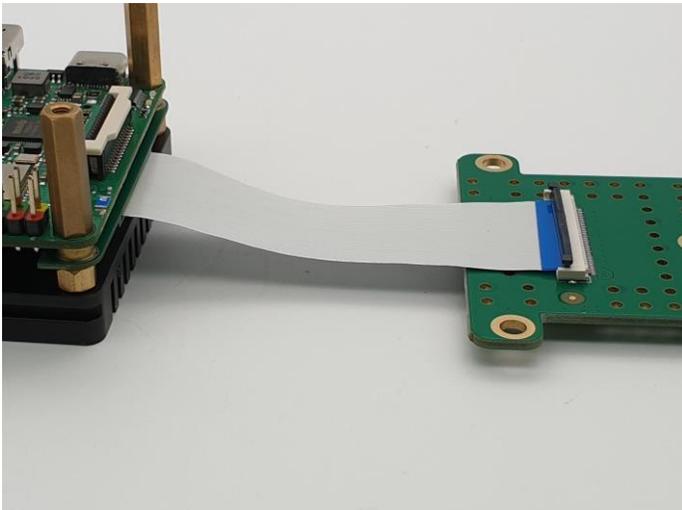
Now take the M.2 Extension board and put it with the FPC connector on top next to the already mounted ROCK PI4.

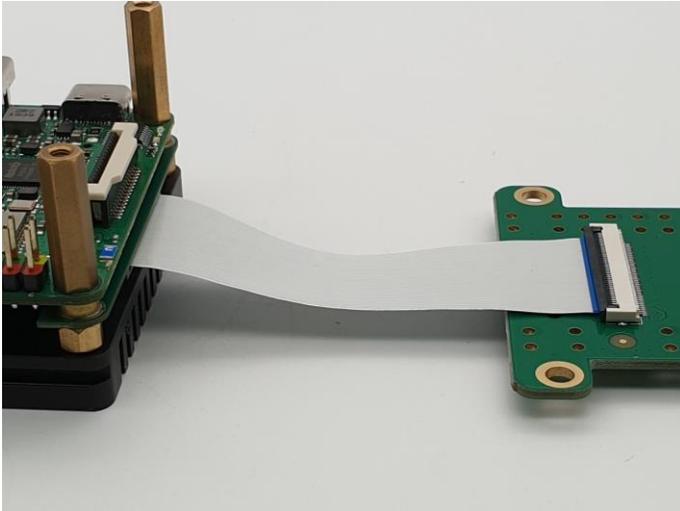


Open the FPC connector like before in lifting the black plastic part in the center.



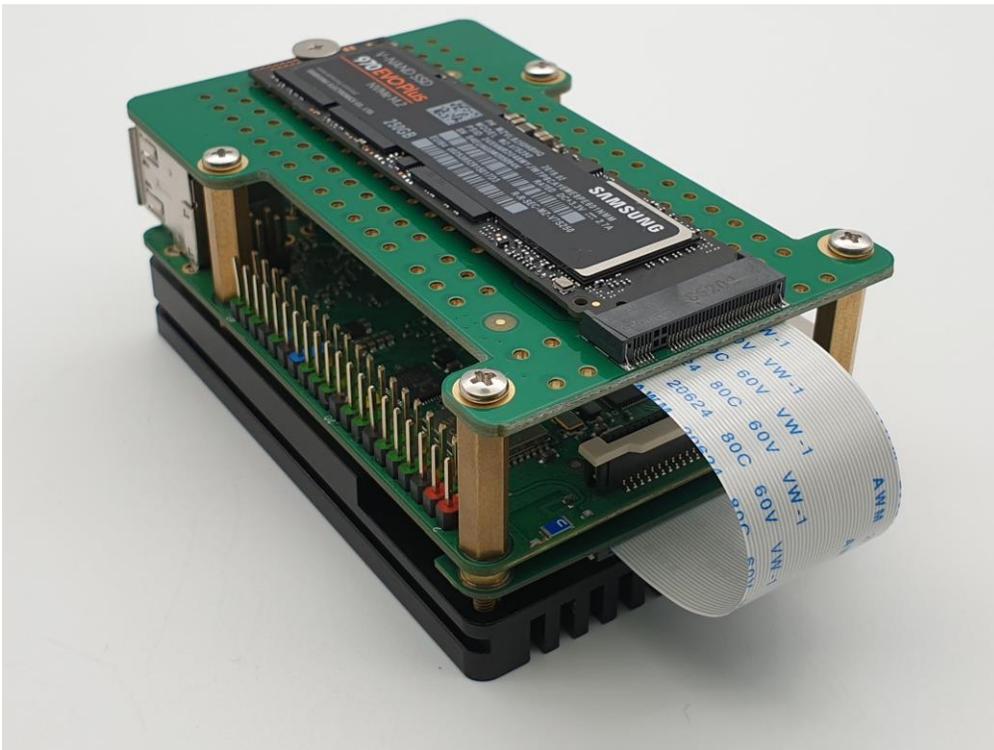
Insert the FPC ribbon cable and lock the connector in closing the black center part.





STEP 4:

Finalize the assembly in mounting the M.2 Extension board on top or on the bottom of the heatsink.



PLEASE NOTE – by default the FPC ribbon cable contacts should always face the PCB.