Assembling Monarco HAT and Raspberry Pi
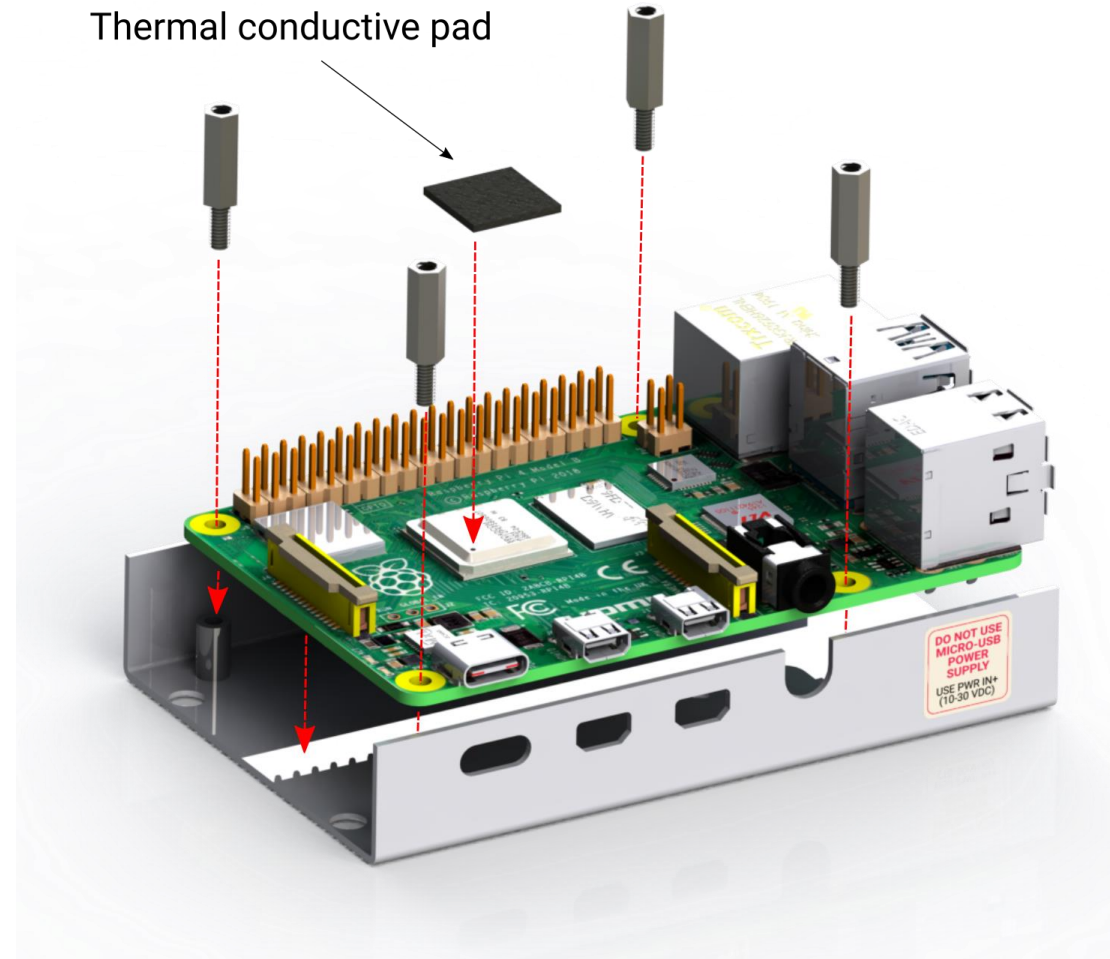

Monarco HAT – Lightweight I/O for the Raspberry Pi minicomputer
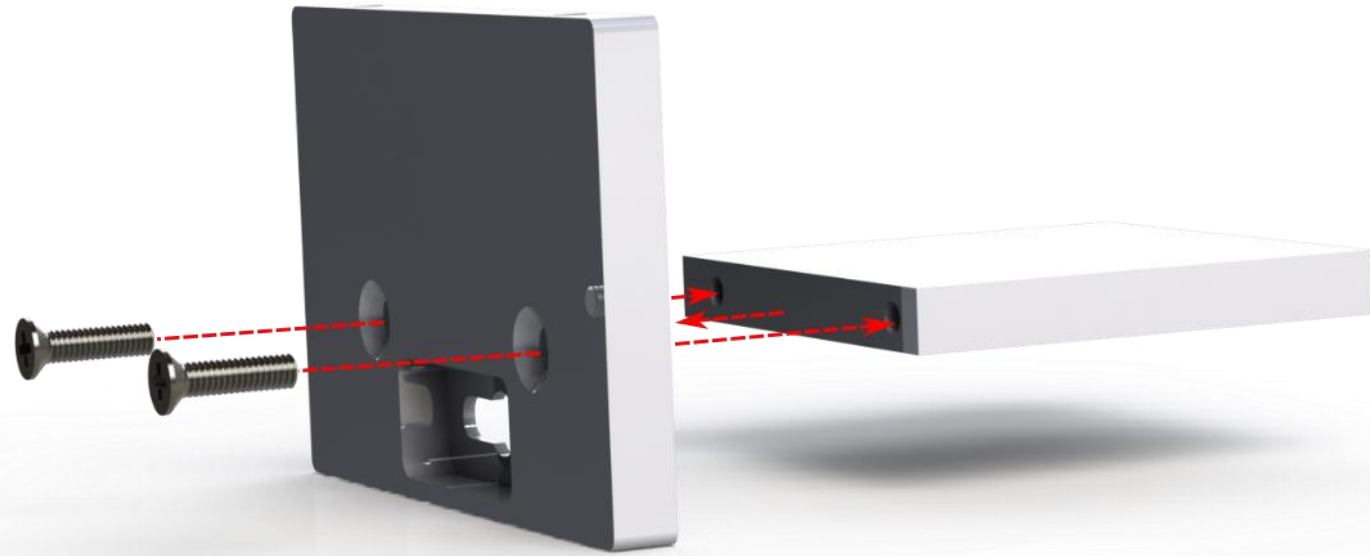
https://www.monarco.io

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Step 1 – Raspberry Pi

Thermal conductive pad

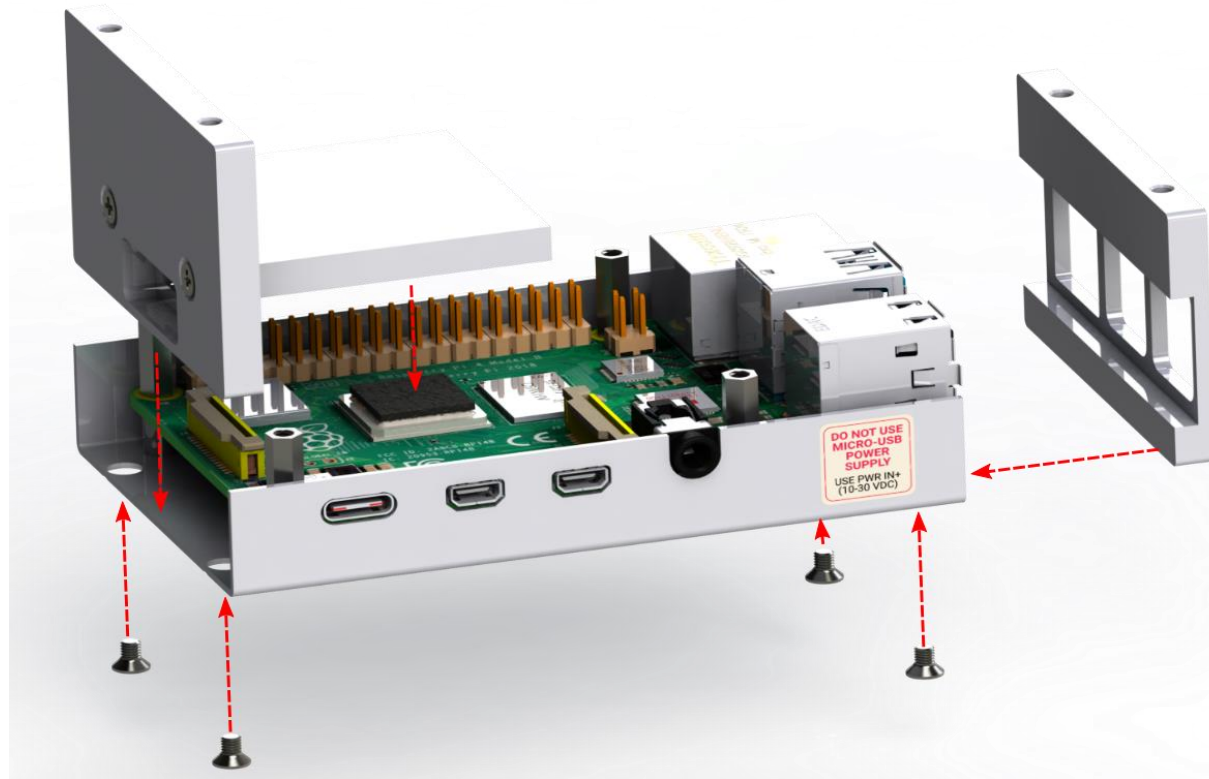
Use metal spacers to attach the Raspberry Pi to the bottom part of the aluminium case and stick the thermal conductive pad.
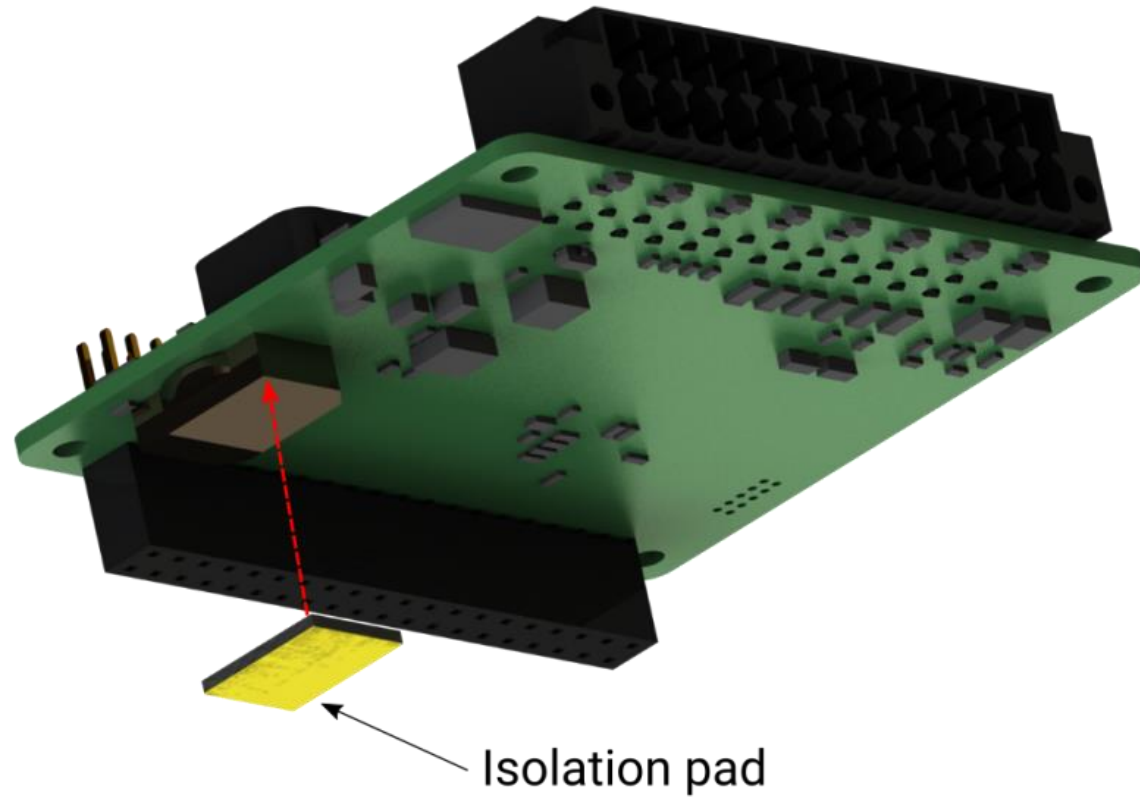
Step 2 – Heat sink

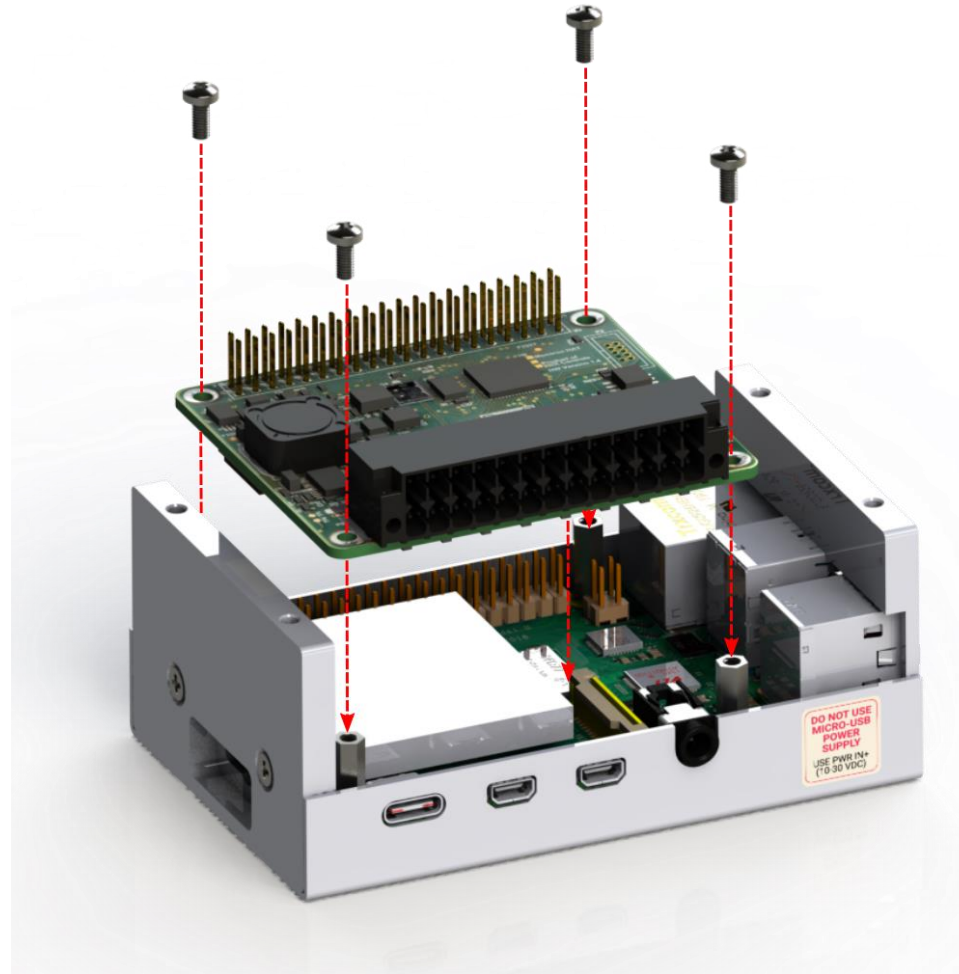*Screw the heat sink to the side panel.*

Step 3 – Side panels

Mount the side panels and tighten the screws.

Step 4 – Isolation pad

Isolation pad

Stick an isolation pad on the battery from below Monarco HAT.

Step 5 – Monarco HAT

Attach the Monarco HAT on top of the Raspberry Pi and use screws to fasten it.

Step 6 – Closing the case

Mount the cover and tighten the screws.

Step 7 – Connector and micro SD card

Plug in the connector and micro SD card. Make sure that the locking levers are in the middle position.
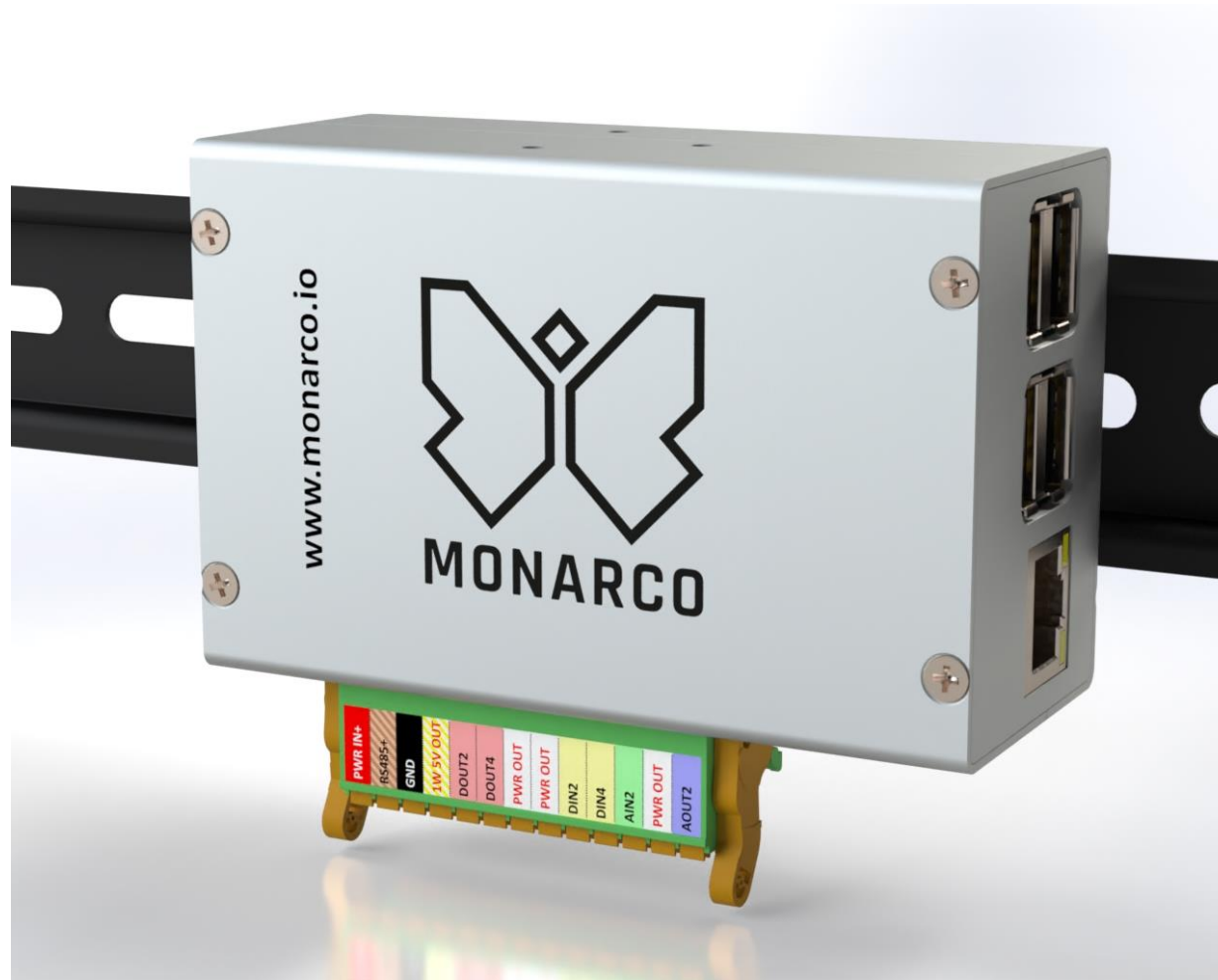
Step 8 – Mounting DIN rail holder

Insert 2 plastic holders according to your preferences.
The metal case allows for both horizontal and vertical mounting.

Step 9 - DIN rail mounting

The aluminium case allows vertical mounting...

... as well as horizontal mounting.

Congratulations, your miniature industrial PC (or PLC if you prefer) is ready for use!