# Assembling your ONE:

Preparation: Remove the protective tape attached to the oak pieces (you don't have to worry about the spacers) - if you don't do it prior to assembly, it will be very difficult to do it later on.


Place the thermal pads from inide the Heatsink pack onto the CPU of the Compute Module 4 board, as shown.

Attach the Heatsink to the Compute Module 4 using the screws in the Heatsink package as shown here. Ensure the alignment of the heatsink matches with the components on the board and that the raised sections of the heatsink line up with the same sized components. Please note the direction of the screws - do not be tempted to put the heads of the screws on top, or the next stage won't work!
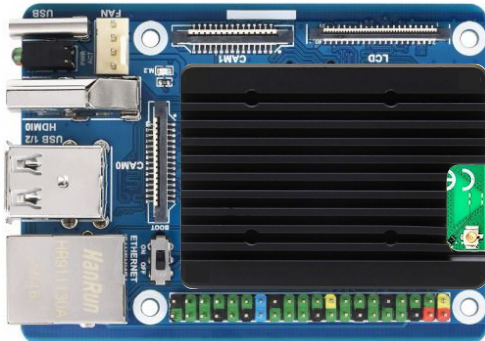
Once the heatsink is in place on the Compute Module 4, gently press it into place on the Base Board, ensuring the connectors (which are off-centre) line up perfectly. You may not hear a click, but you will feel it slot into position.
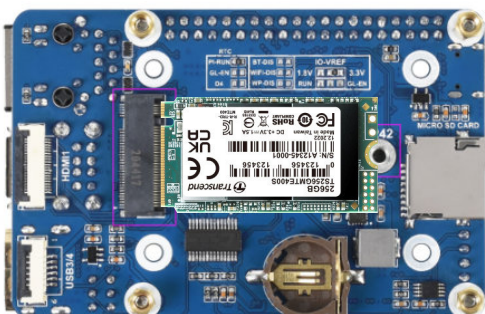
Turn the board over, and remove the brown disc covering the screw hole marked 2242. Align the NVMe drive with the slot and the hole and push the connector into the NVMe drive socket. Use one of the very small screws from the loose bag inside the box to screw the NVMe drive into place with the 2242 hole.

At this point, it might make sense to insert the SD card into the SD slot on the base board, and connect up and boot up the system to check everything works!
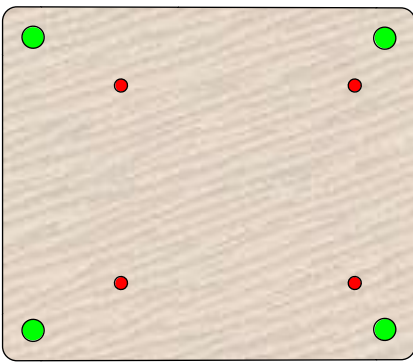
Push the four **M2.5 screws** up through the four inner holes on the oak base, and attach the brass standoffs.

Push the **four connecting screws** (female end) through the outer holes on the oak base, and place the base on a flat surface with the connecting screws pointing upwards.
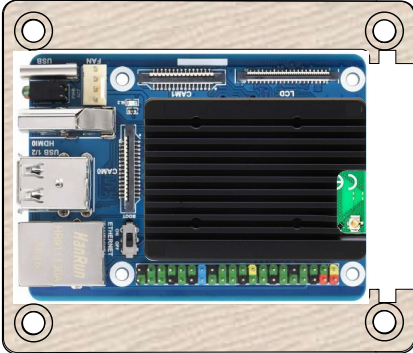
Place a round spacer on each of the four connecting screws. Now place the **U shaped piece** of oak over the connecting screws, as shown, and place four washers on top.

Now place the base board (complete with CM4 and NVMe drive) over the brass stand offs and hold in place with the four M2.5 nuts.
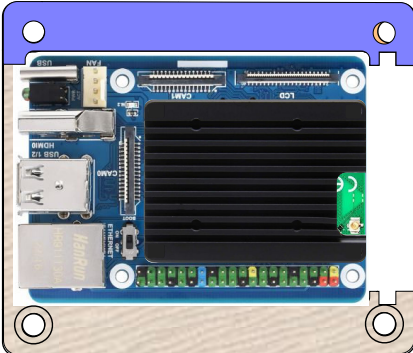
Build up the sides evenly by using alternating layers of spacers and **side ribs**, as shown. for the last layer, you will find that the female connecting screws have been fully covered, so the washers will have to be placed inline without being "held" in place by the screws.
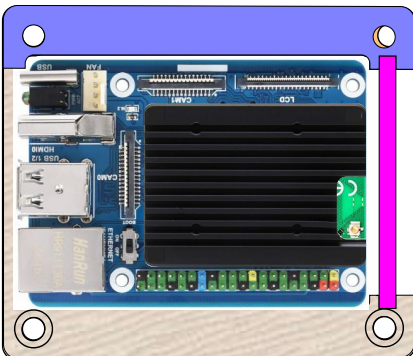
Once all the sides are in place, carefully drop the **end plate** into place, ensuring the hole allows access to the SD card slot (it's not quite central).

Finally, place the top cover in place, and use the male connecting screws to hold everything together. You should be good to go!
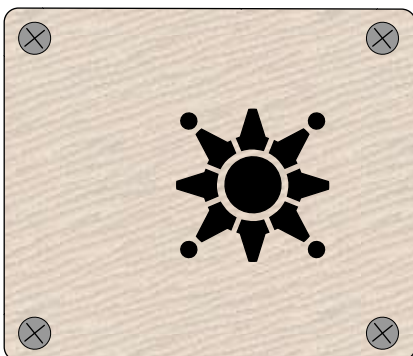
Additional ribs and longer connector screws to accommodate HATS and other add ons, are available for purchase separately. We can supply GPIO header extenders, RTCs and active cooling solutions for your kit. Please contact us directly for information.

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