

Copper RAM Heatsinks Assembly Manual - bartxstore.com

This manual has been prepared for single sided DDR5 memory.

We're not responsible for memory damage due to improper installation or usage.

Important information:

Water block / RAM Pot mounting pattern:

- 109,4 mm (used originally by Corsair Dominator DDR3), nut inside has the M3 thread

RAM Heatsinks has been designed to use with water / extreme cooling. If you don't want use extra cooling please provide the proper airflow. Passive operation is not recommended.

Use thermal paste between the heatsinks and RAM water block / extreme cooling device.

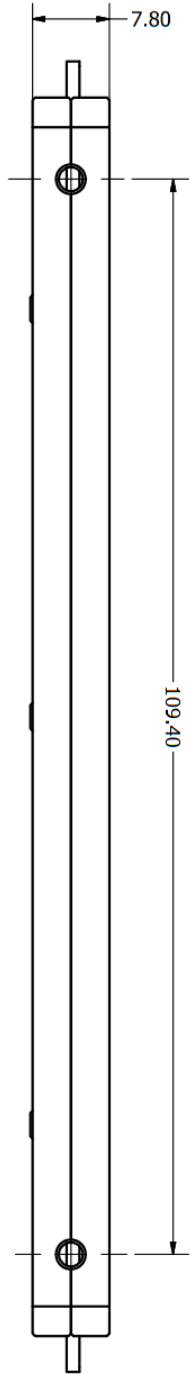
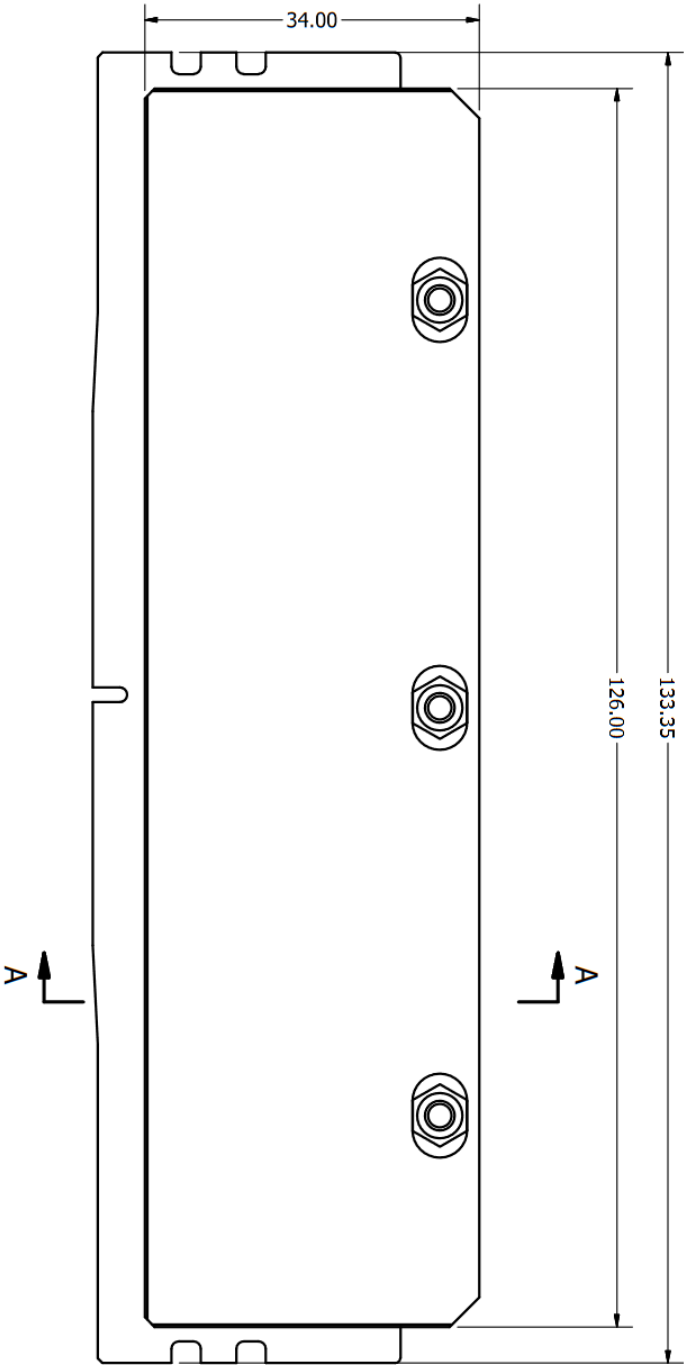
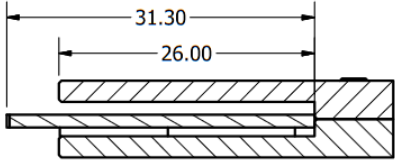
Compatible cooling devices can be found in our store:

- **RAM Water Block BX2** for 2dimms
- **RAM Water Block BX4** for 4dimms
- **Honeycomb RAM LN2 Pot**
- **RAM Phase Change Mounting Adapter**

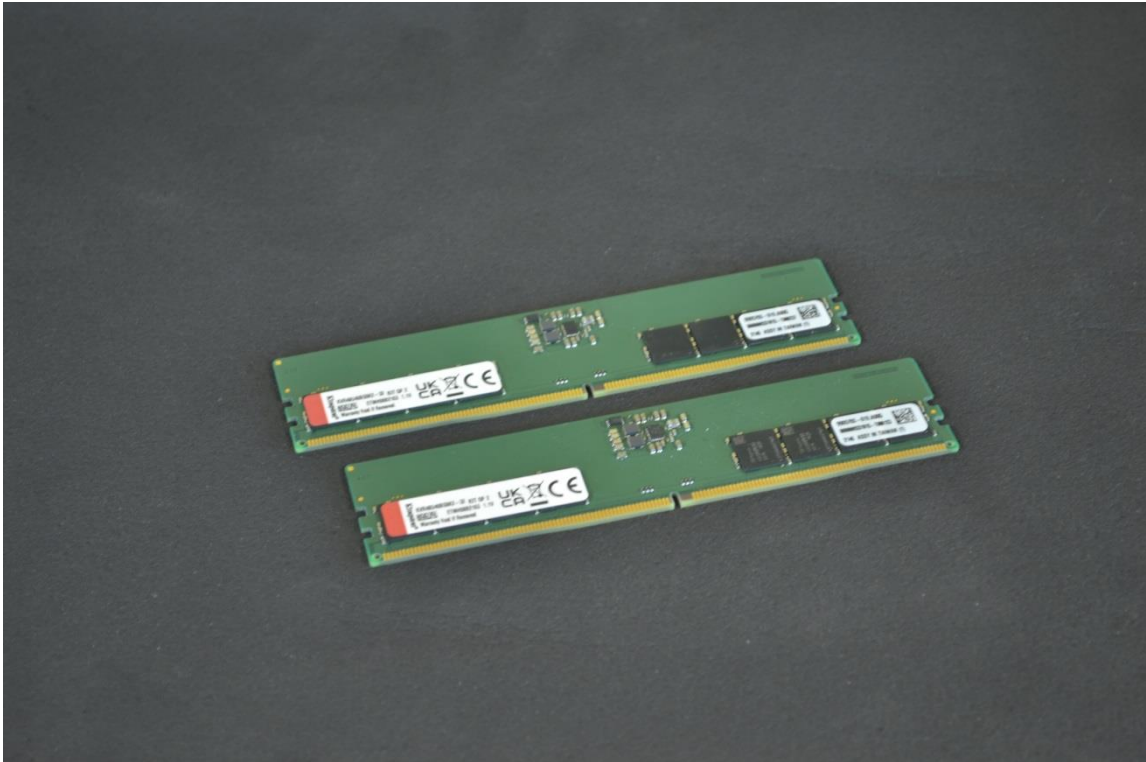
They all share the same mounting pattern. If you want use block / pot from other manufacturer please pay attention on mounting pattern.

Operation under extreme conditions has not been tested. It may need a different mounting procedure due to unpredictable behaviour of the thermal pads in subzero temperatures.

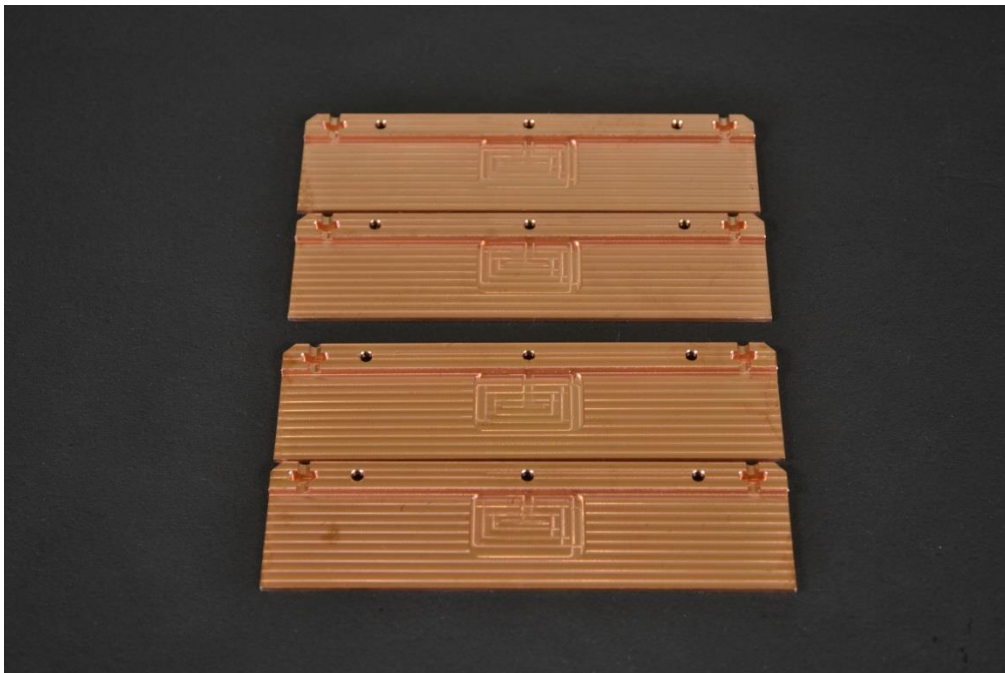
Technical drawing (dimensions in mm):



1. Prepare the RAM sticks for assembly. Remove original heatsinks, sticker and clean the IC with isopropyl alcohol / extraction gasoline.

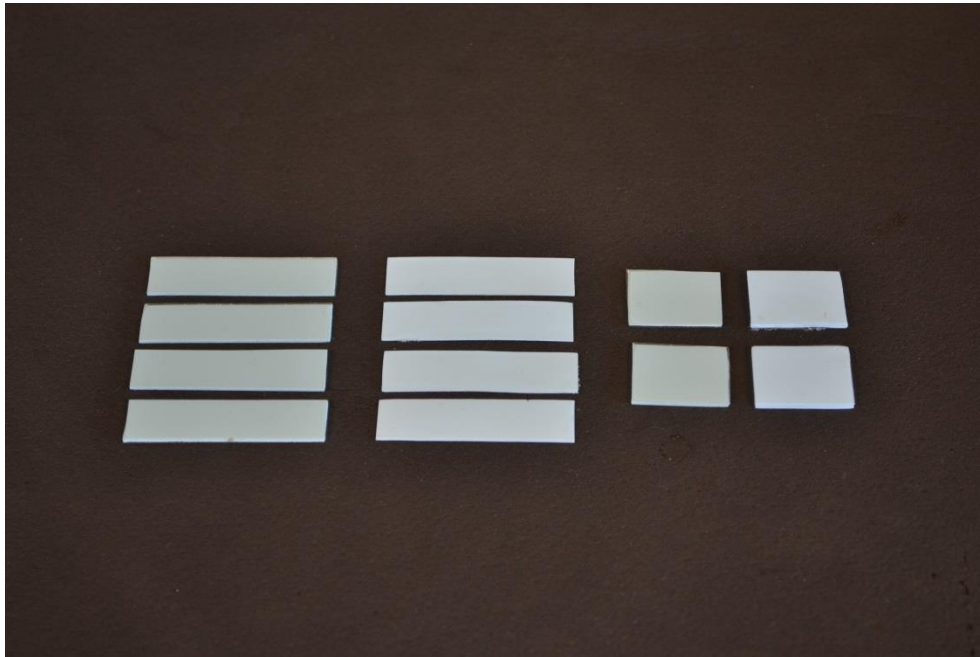


2. Disassemble the heatsinks. Use the attached allen key to separate them.



3. Prepare the thermopads, remove the protective foil on both sides before installation:

- 48x12mm x 0,5mm – 4 pieces -> between IC and heatsink
- 48x12mm x 1,0mm – 4 pieces -> between back of the PCB and heatsink
- 24x18mm x 1,0mm – 2 pieces -> between PMIC and heatsink
- 24x18mm x 1,5mm – 2 pieces -> between back of the PMIC and heatsink



4. Prepare the heatsinks as pictured, place the thermal pads for the PMIC area in the pockets.



5. Place the M3 nuts as pictured.



6. Place the 0,5mm thermal pads on the IC (thinner ones).



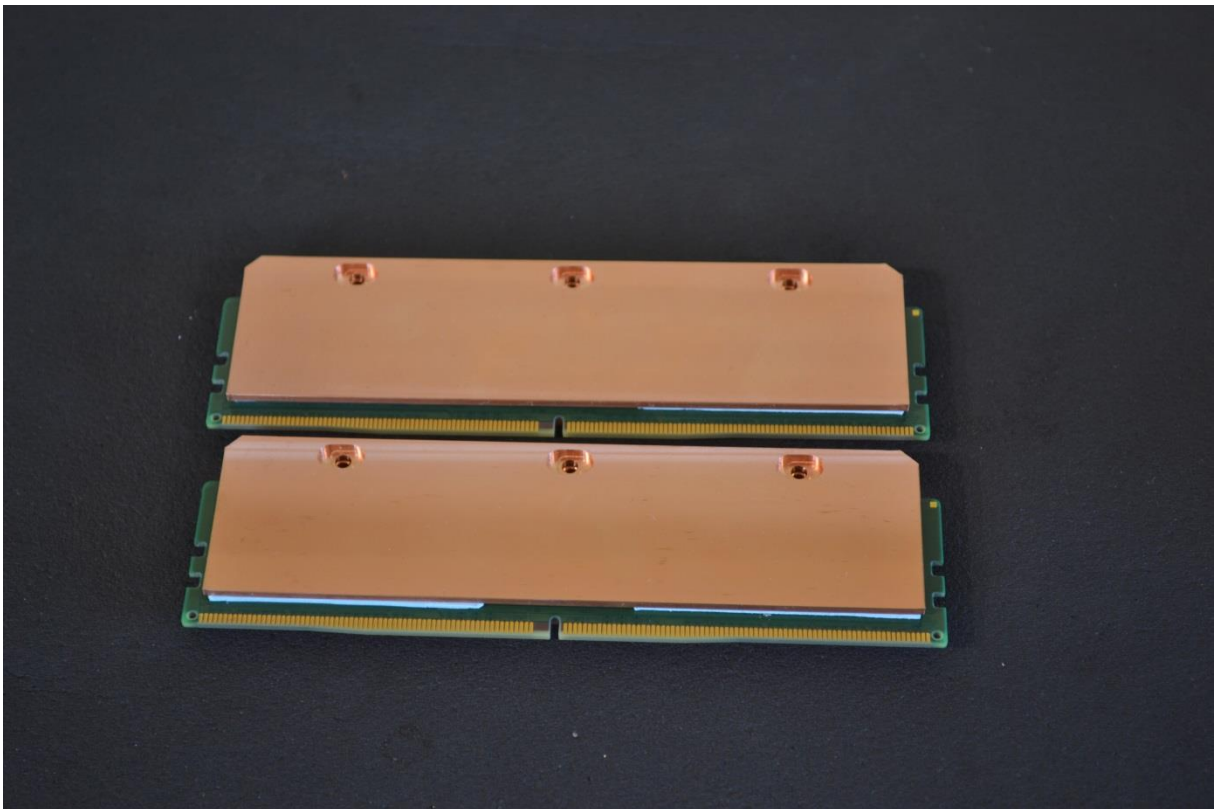
- Put the RAM modules in the heatsinks, remember about correct thickness of PMIC thermal pads (1,0mm on the PMIC side, 1,5mm on the back of the PMIC). Place the remaining thermal pads on the back of the memory module. Pay attention to the position of the heatsink (must be at the center, so it won't collide with RAM slots on the board).



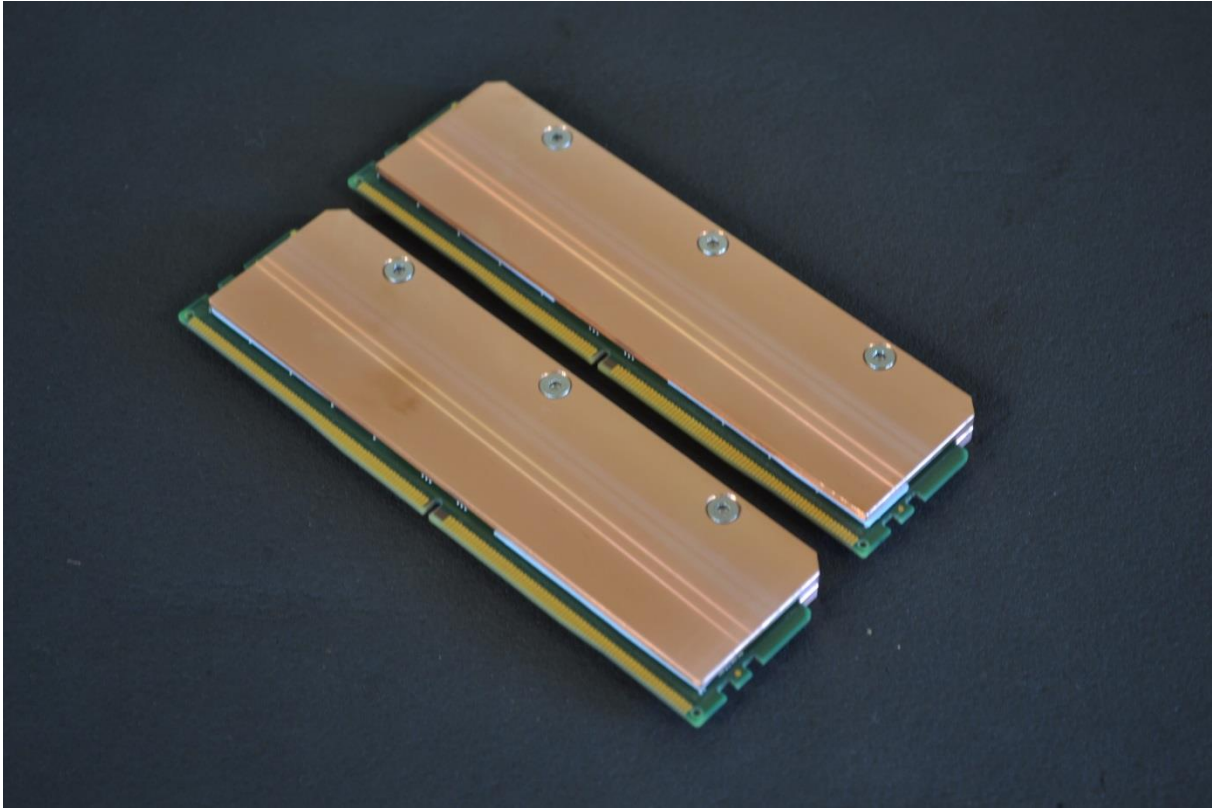
8. Take the second part of the heatsink and prepare it to assembly.



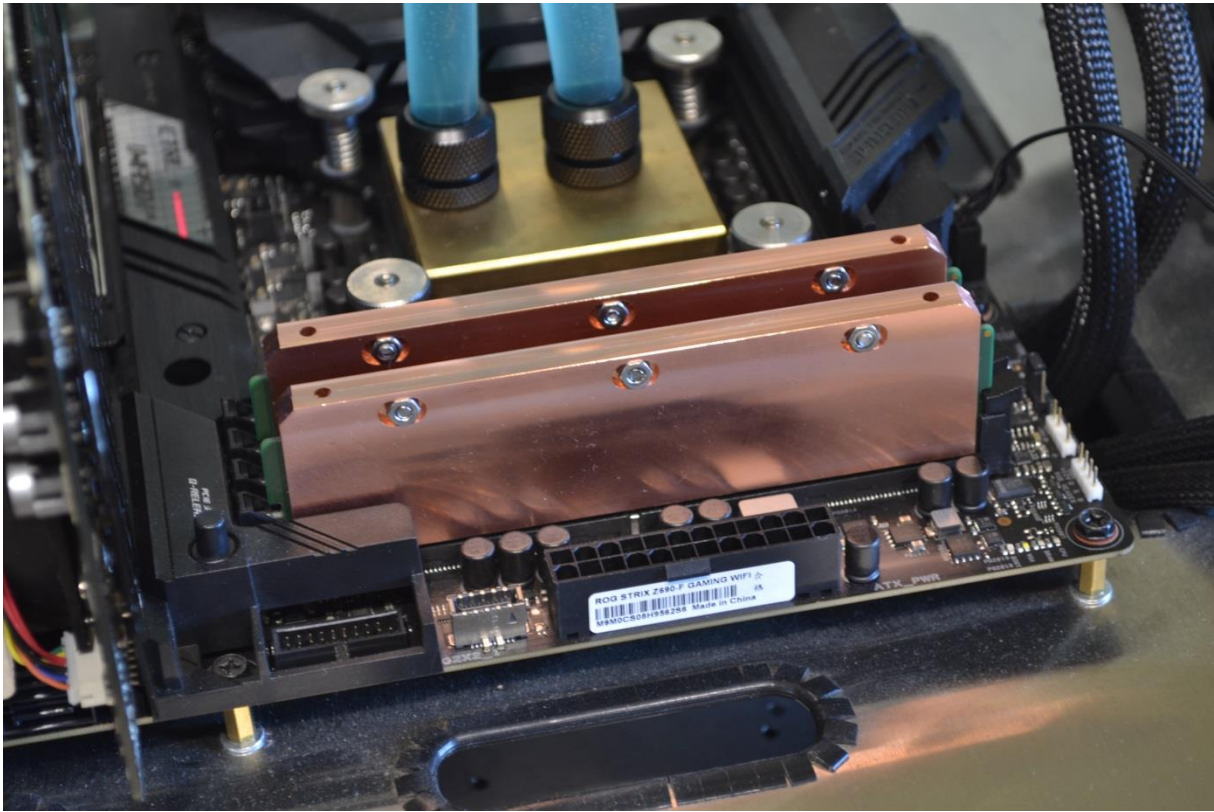
9. Put the second part of the heatsink on the memory modules.



10. Screw both parts of the heatsinks together.



11. Put the RAM modules in the slots.



12. If you encounter any problems during the installation or usage please contact us:
sales@bartxstore.com