

Assembly instructions HEATKILLER® GPU-X² GTX 295



The HEATKILLER® GPU-X² G295 guarantees the highest degree of cooling power. The unique design ensures maximum performance on a level with current high-end CPU cooler. Extremely fine microstructures cool both graphic processors very effectively. All other relevant components (e.g. RAM, NVIO, VRM) are also cooled.

The center part of the fan consists of high-quality POM, the top and bottom part of highly pure electrolyte copper.

Dimensions (LxWxH):	196.0 x 114.0 x 28.3mm
Weight	1200g
Material (base/center part)	CU / POM
Material (inlay)	Stainless steel
Connections	G ¼ inch
Temperature-resistant up to	80°C
Compatible with	NVIDIA GEFORCE GTX295

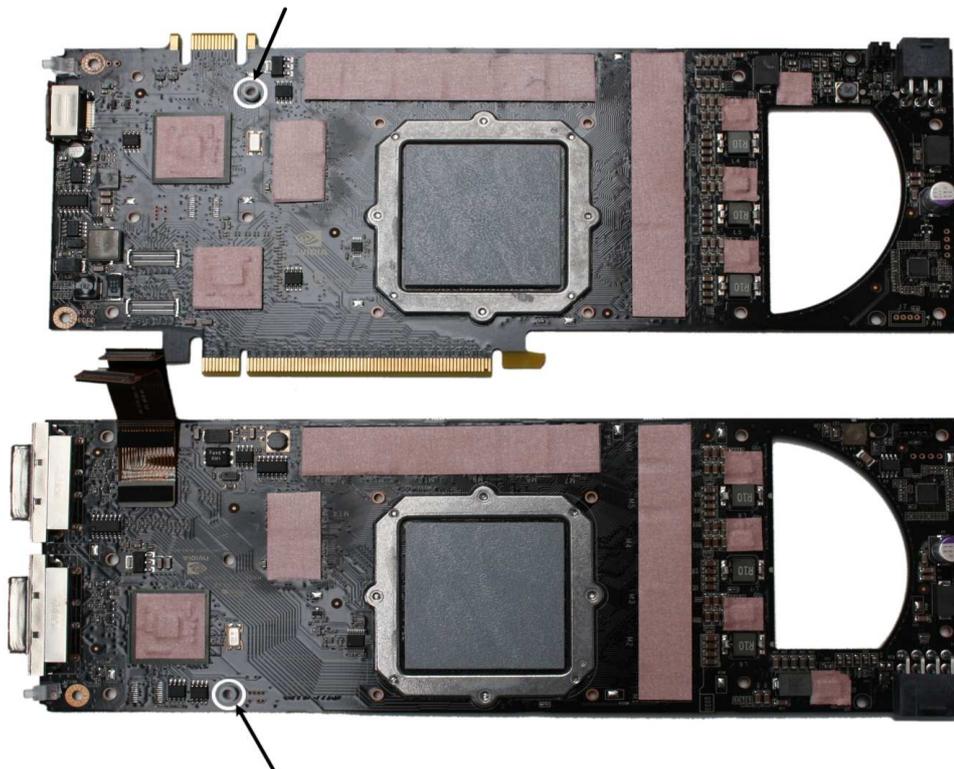
Notice: A coloured installation manual in PDF format is available in the service section of our homepage at www.watercool.de

Attention: Conversion at your own risk. Non-observance of the installation instructions may damage the graphic board. Watercool will assume no liability for damage to the hardware. In case of uncertainties, please engage an expert for the conversion or use our conversion service. Dismantling the original cooler may lead to the loss of the manufacturer's warranty. In case of uncertainty, please contact the manufacturer of the graphic board.

Preparing the graphic board

Remove the original CPU fan, the slot cover as well as all remnants of the heat conductor pad. For better handling, you may carefully separate the connection between both boards. Place the pre-cut pads on both circuit boards as shown in the illustration. Remove the protective foil on the pads beforehand.

Apply heat-conductive paste evenly on the GPU section. Place the enclosed distance plates (height 3mm) on the positions marked with arrows. Alternatively, the two distance plates can also be inserted between the board and the cooler afterwards.



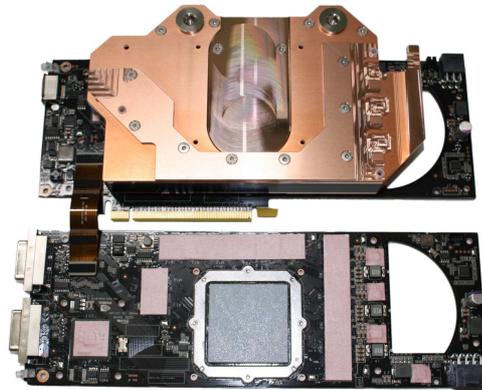
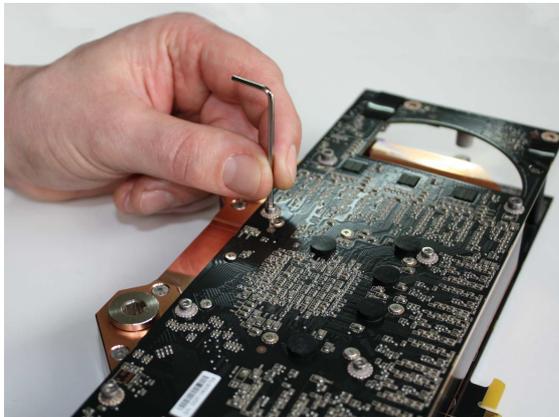
Installation of the cooler

The cooler is placed on the prepared graphics board. Then turn the board around together with the cooler.

All enclosed screws are now screwed in manually in the cooler together with the enclosed washers. Screw in the screws only so far until they touch the board.

The GPU section is installed with 4 x M2.5 screws and washers. In the range of the voltage transformer and the NVIO, use 4 x M3 screws and washers.

Once all screws are placed in the cooler, you can tighten them slightly. To do so, tighten the screws in a cross-diagonal pattern in the GPU section. Then slightly tighten the screws in the range of the voltage transformer and the NVIO.



After installation of the cooler on the first board, you have to re-establish the connection between both boards. Then place the cooler on the second board and turn it over. The further installation takes place analogue to that of the first board.

Then screw the slot cover in place again. A back plate for the voltage converters is enclosed to some boards. These can also be installed again. The enclosed washers are no longer required in this case.

Installation and leak test

After the installation, a check and test run must be performed! The coolers are constructed on the reference design; still, all sections of the board have to be checked for possible contact to the cooler. In addition, the contact of the CPU to the cooler must be checked along with the bending of the board. A slight bending of the board is normal.

A leak test should preferably be performed outside of the computer. If this is not possible, the hardware may not be turned on during the test run!

Once all of the cooler elements were tested, the computer can be put into operation. Check the temperature of the CPU immediately after the start!

General information

The HEATKILLER® GPU-X² GTX295 has a defined input/output. The port on the left (pointing towards the slot cover) is the input. The output is located on the right, and the connections can be installed either on the top or the bottom.

We recommend using demineralised or deionised water (distilled water) as cooling medium. To prevent the build-up of algae, use common citric acid, which reliably prevents the spread of algae.

HEATKILLER® CPU are manufactured by Watercool e.K.

Please send your questions, suggestions or criticism to the following address:

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