

## Assembly instructions HEATKILLER® GPU-X<sup>3</sup> 58X0



The unique design of the HEATKILLER® GPU-X<sup>3</sup> 58X0 guarantees outstanding performance. A cooling performance in the range of current high-end CPU coolers, a flat design as well as top quality materials distinguish the new GPU-X<sup>3</sup> series.

The bottom plate consists of pure copper. The cooling structure of the GPU is extremely fine-tuned and offers a higher performance than most CPU coolers. The thin base ensures even more performance.

Dimensions (LxBxH)	162,0 x 117,0 x 9,5mm
Weight	650g
Material (bottom/cover)	CU / VA
Connections	G ¼ inch
Temperature-resistant up to	80°C
Compatible with	ATI 5850, ATI 5870 (reference design)

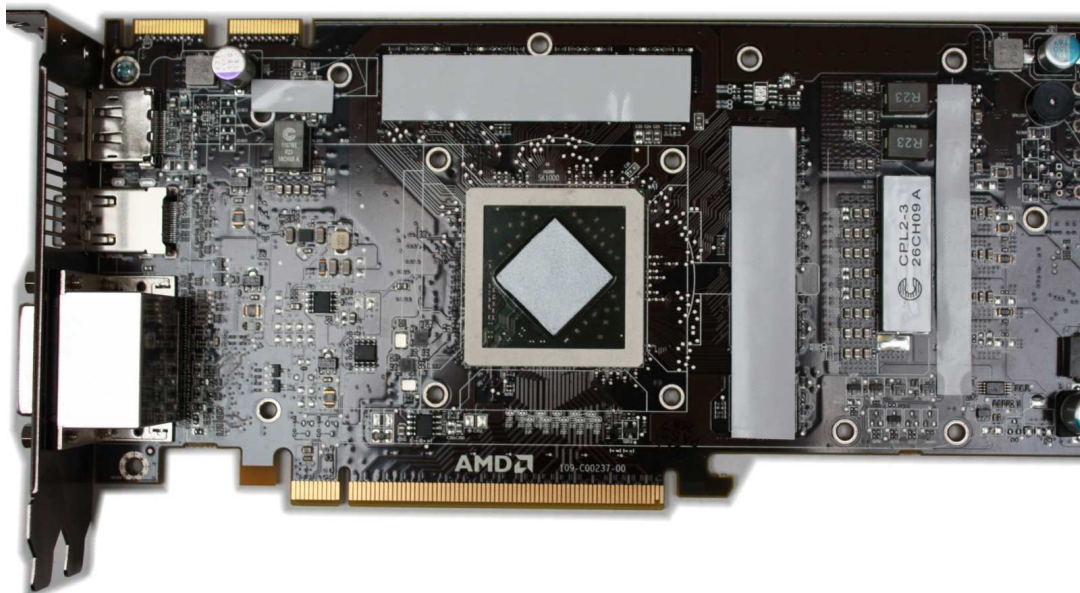
*Notice: A coloured installation manual in PDF format is available in the service section of our homepage at [www.watercool.de](http://www.watercool.de)*

*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.*

### Preparation of the cooler

The GPU cooler is designed for the models ATI HD 5850 as well as ATI HD 5870. Prior to installing the cooler, you have to mount a distancer (contained in the delivery) that matches your graphic card. The illustration shows the correct position.



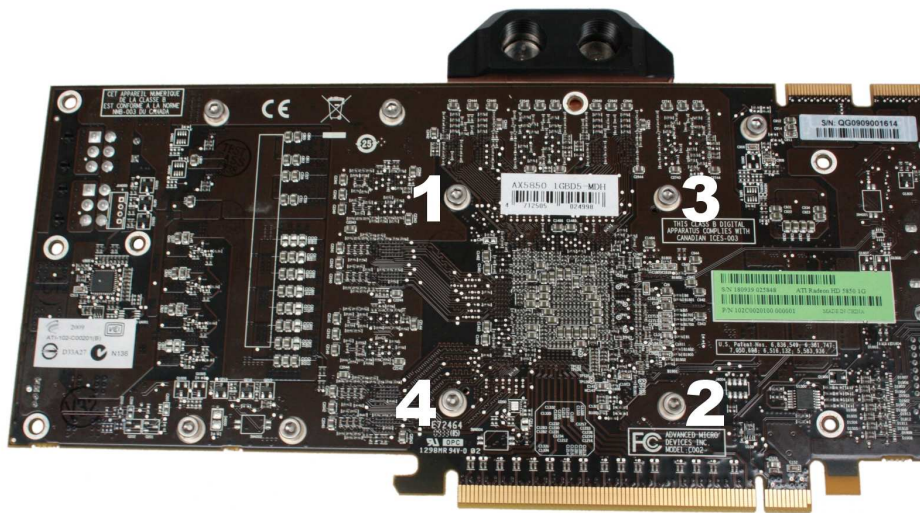
## Preparing the graphic board

Remove the original fan as well as all remnants of the heat conductor pad.  
Place the pre-cut pads on the graphic board as shown in the above illustration.  
Instead of the heat conductor pads, you can also use a non-conductive thermally conductive paste. However, we recommend using the enclosed pads.  
Apply heat-conductive paste evenly on the GPU section.

## Installation of the cooler

The cooler is placed on the prepared graphics board. Then turn the board around together with the cooler. Now slightly screw all enclosed screws into the cooler. Starting with the GPU section, now slightly tighten the screws (across). For this purpose, you have to slightly tighten the four screws in small steps (sequence as in the illustration).

Then screw in all other screws.



## 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 GPU 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 GPU immediately after the start!

## General information

The HEATKILLER® GPU-X<sup>3</sup> 58X0 does not have a defined input and output. The cooling medium can stream in or out on both sides.

Under normal circumstances it is not necessary to open the cooler. If you still want to do so, please use a corresponding tool for Allen screws in industrial quality. Two attachment screws in the stainless steel cover are slightly shorter than the rest. Make sure to install the shorter screws in the right side of the cooler again (close to the ATI engraving) when mounting the stainless steel cover again.

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.

The cooler is fully crossfire-suited. To set up a dual or triple crossfire system, we offer special connectors that make connection of the coolers extremely easy.

## HEATKILLER® are products by



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

**Watercool e.K**  
Warendorfer Strasse 20  
D-17192 Waren  
GERMANY

Tel: (+0049) 03991-187601  
Fax: (+0049) 03991-187602

E-Mail: [info@watercool.de](mailto:info@watercool.de)  
Web: [www.watercool.de](http://www.watercool.de)