

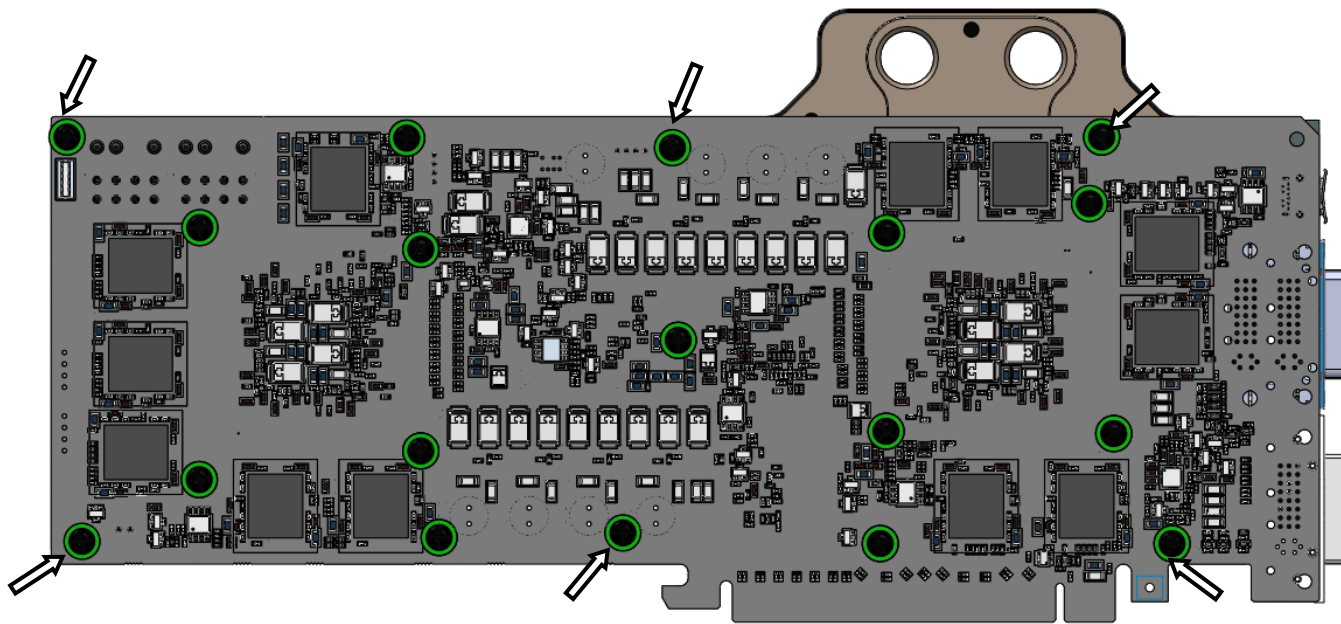
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at [www.ekwaterblocks.com](http://www.ekwaterblocks.com) for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.

## STEP 1: GENERAL INFORMATION. Sample picture of NVidia GeForce 590 GTX graphic card (reference design).



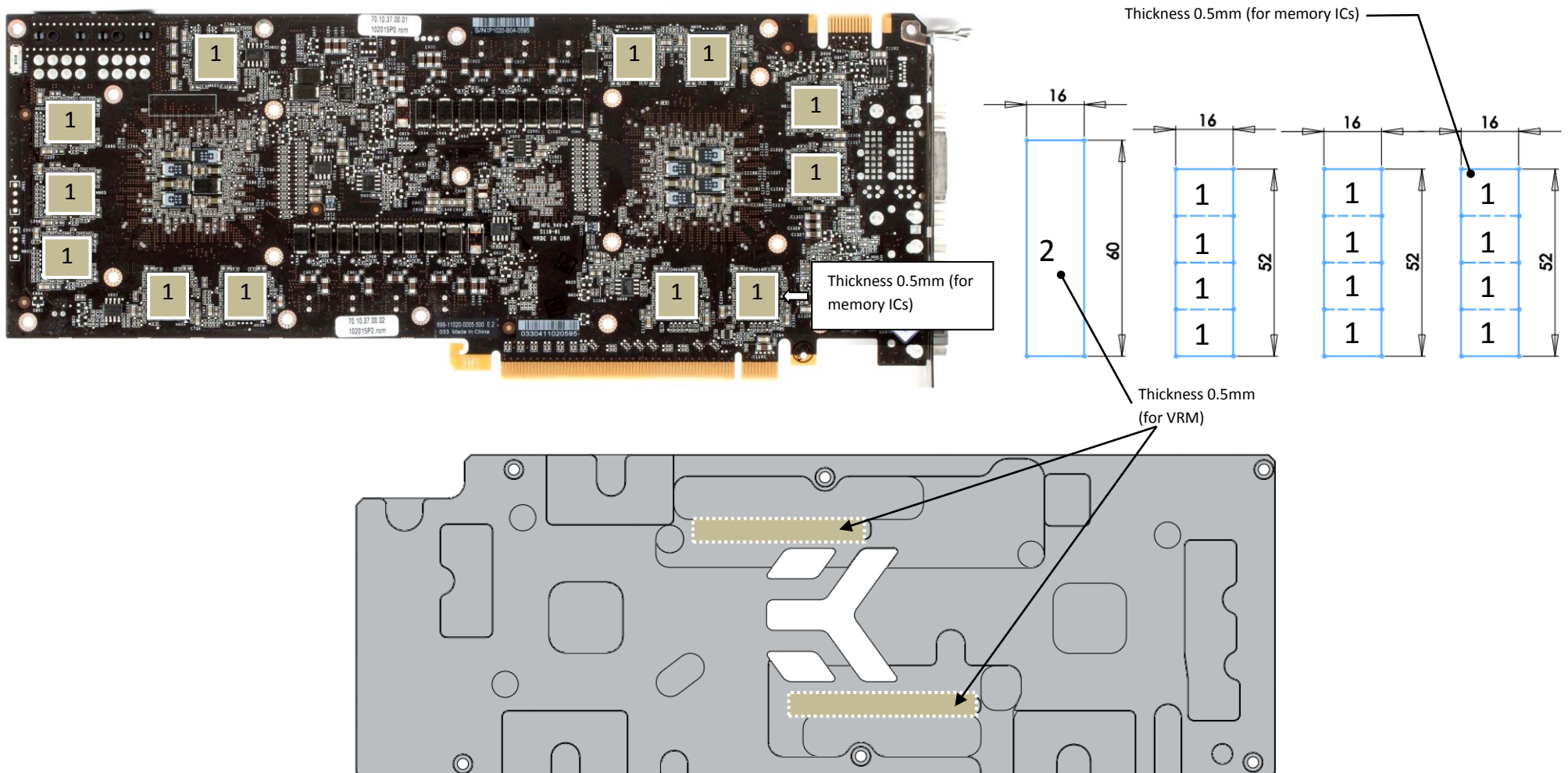
## STEP 2: PREPARING YOUR GRAPHIC CARD NVIDIA GEFORCE 590 GTX

EK-FC590 GTX backplate is very easy to install. First install EK-FC590 GTX water block according to its manual. If you have it already installed, please check below which mounting screws for water block are to be left in their position. Please remove the six screws marked with arrow.



## STEP 3: APPLYING THE THERMAL PADS

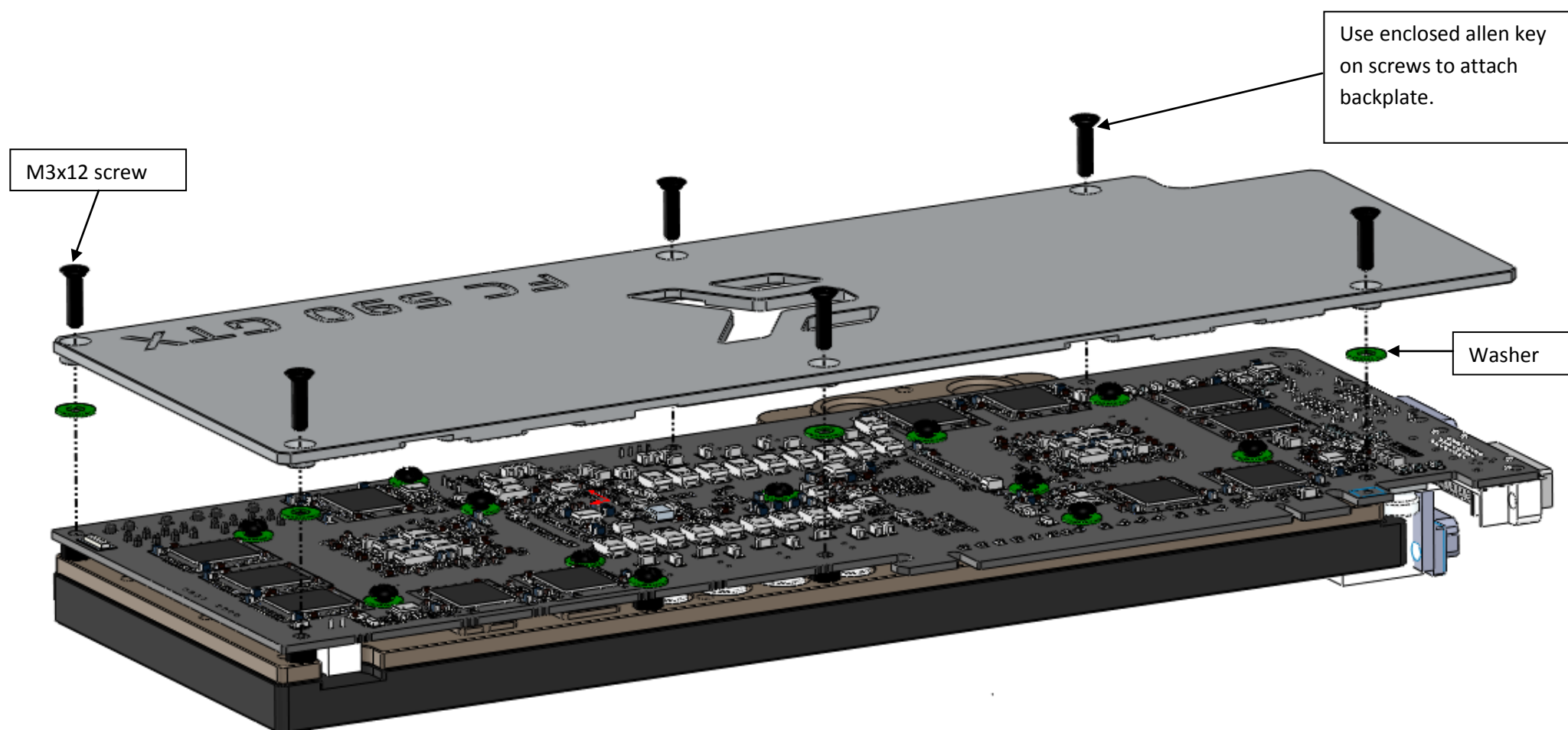
EK-FC590GTX backplate features passive cooling of the printed circuit board and it's components therefore it is mandatory to install the enclosed thermal pads. Please install the 0.5mm thick thermal pads on the memory ICs and on the two extruded stubs on the backplate itself.



## STEP 3: ATTACHING EK-FC590 GTX BACKPLATE

Take enclosed mounting screws and install them as shown on picture below. EKWB recommends users to start with M3x12 screws in the middle (HINT: do not tighten screws until they are all positioned in their mounting holes). Backplate has milled in standoffs, so there is no fear of overtightening the screws. Nevertheless, do not exaggerate with screwing force as there is no need for it.

(Please note that EKWB holds no responsibility of any kind if assembly is not made by instructions. This applies also for all products that are not out of EKWB production line. Users must by all means also consider instructions that are being made for proper use of FC blocks.)



**Please use enclosed PVC washers under milled standoffs!**

### IMPORTANT DISCLOSURES

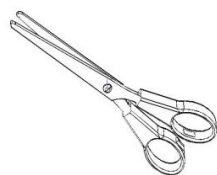
**VERY IMPORTANT NOTICE:** Once the installation is completed, it is a recommended practice to test the cooling circuit for leaks prior to powering up the computer. We recommend a 24 hour leak test prior to powering up the computer. Do not test the water block using city water pressure. This will rupture the top of the housing and render the block unusable (and will void your warranty). While all efforts have been made to provide the most comprehensive tutorial possible, EK Water Blocks assumes no liability expressed or implied for any consequential damage(s) occurring to your equipment as a result of using EK Water Blocks cooling products, either due to errors or omissions on our part in the above instructions, or due to failure or defect in the EK Water Blocks cooling products.

### WARRANTY:

Our products are warranted against defects in materials or workmanship for a period of 24 months beginning from the date of delivery to the final user. During this period, products will be repaired or have parts replaced at our discretion provided that: (I) the product is returned to the agent from whom it was purchased; (II) the product has been purchased by an end user and has not used for commercial purposes; (III) the product has not been misused, handled carelessly, or used in a manner other than in accordance with the instructions provided describing its installation and proper use. This warranty does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This warranty is offered as an extra benefit and does not affect your statutory rights as a consumer. This warranty is voided if the product comes in contact with aggressive UV additives or other improper liquids.

EK blocks are sealed with warranty void circular label, which proves that the block has withstood a pressure leak test. Removing it will void only leaking issues. Any other RMA issues can be reported to [support@ekwaterblocks.com](mailto:support@ekwaterblocks.com) for further analysis.

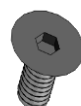
### REQUIRED TOOLS AND MOUNTING SCREWS:



scissors



6 x PVC washers



6 x screws M3x12 7991DIN



2mm allen key