

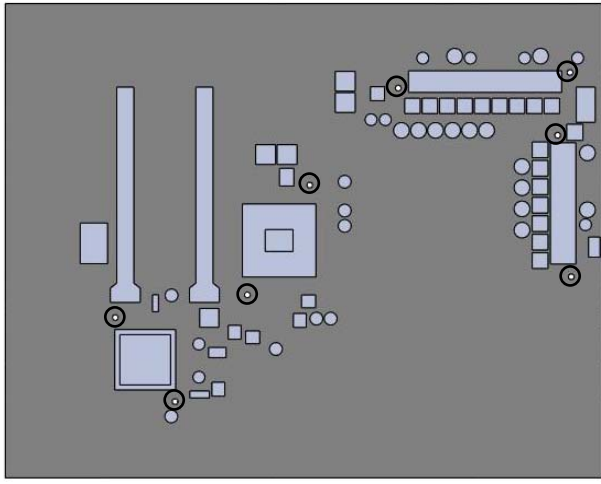
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at www.ekwaterblocks.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.
The barb hose fittings require only a small amount of force to screw them in; otherwise the high flow fittings might break. These fittings do not need to be tightened with much force because the liquid seal is made using o-rings.

STEP 1: GENERAL INFORMATION. Sample picture of ASUS P6T DELUXE V.2 motherboard.



STEP 2: PREPARING YOUR MOTHERBOARD

1. REMOVING STOCK COOLER. Remove all encircled screws or plugs. All heat sink assembly screws should be removed. There are 8 screws on the back of the motherboard.

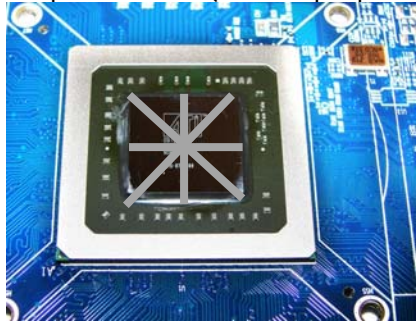


2. CLEANING THE PCB. Carefully detach the original heat sink after removing all fasteners securing it to the board and bracket. Wipe off the remains (by using non-abrasive cloth or qtip, as shown on sample photo) of the original thermal compound until the components and circuit board are completely clean. EKWB does not recommend using any liquids for removing paste.

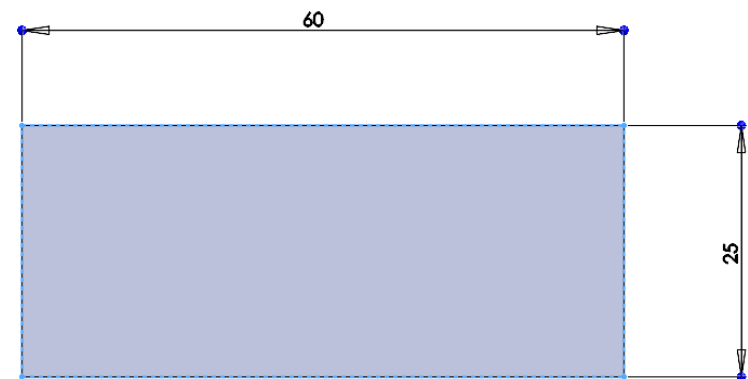


3. APPLYING THERMAL COMPOUND

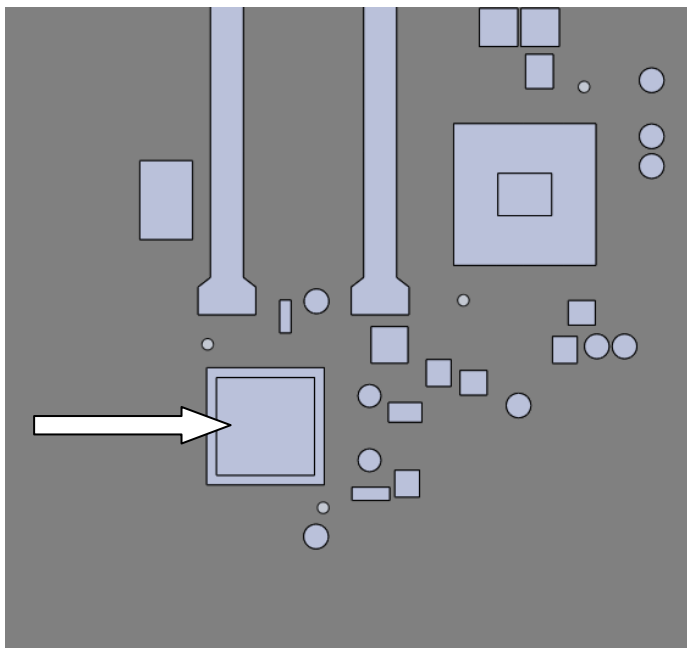
Apply thermal compound: lightly coat the Northbridge with for example Céramique™ thermal compound. Follow this link http://www.arctic-cooling.com/catalog/product_info.php?cPath=39_&mID=127&language=en for detailed instructions. EKWB recommends non-conductive MX-2, which should be applied in cross form for best performance (see sample picture).



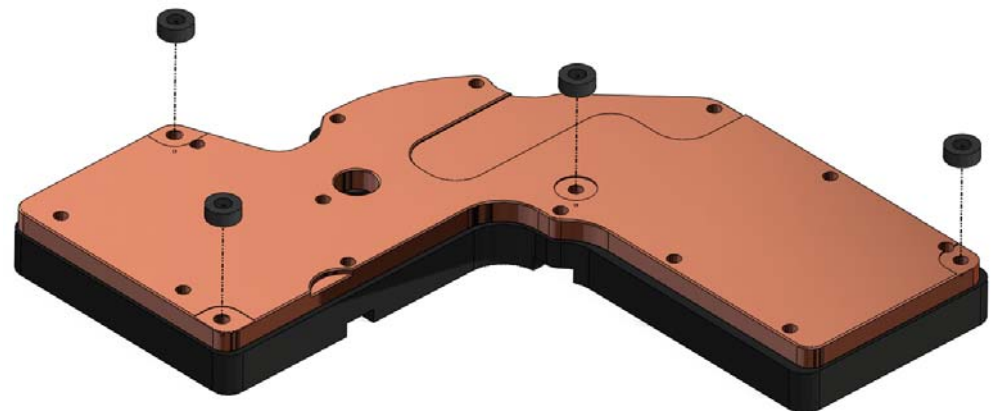
4. CUTTING THERMAL PADS. Your block comes with thermal pads (thickness 0,5mm), which have to be placed on Southbridge. (PLEASE REMOVE FOIL OF THERMAL PADS PRIOR TO INSTALLATION.)



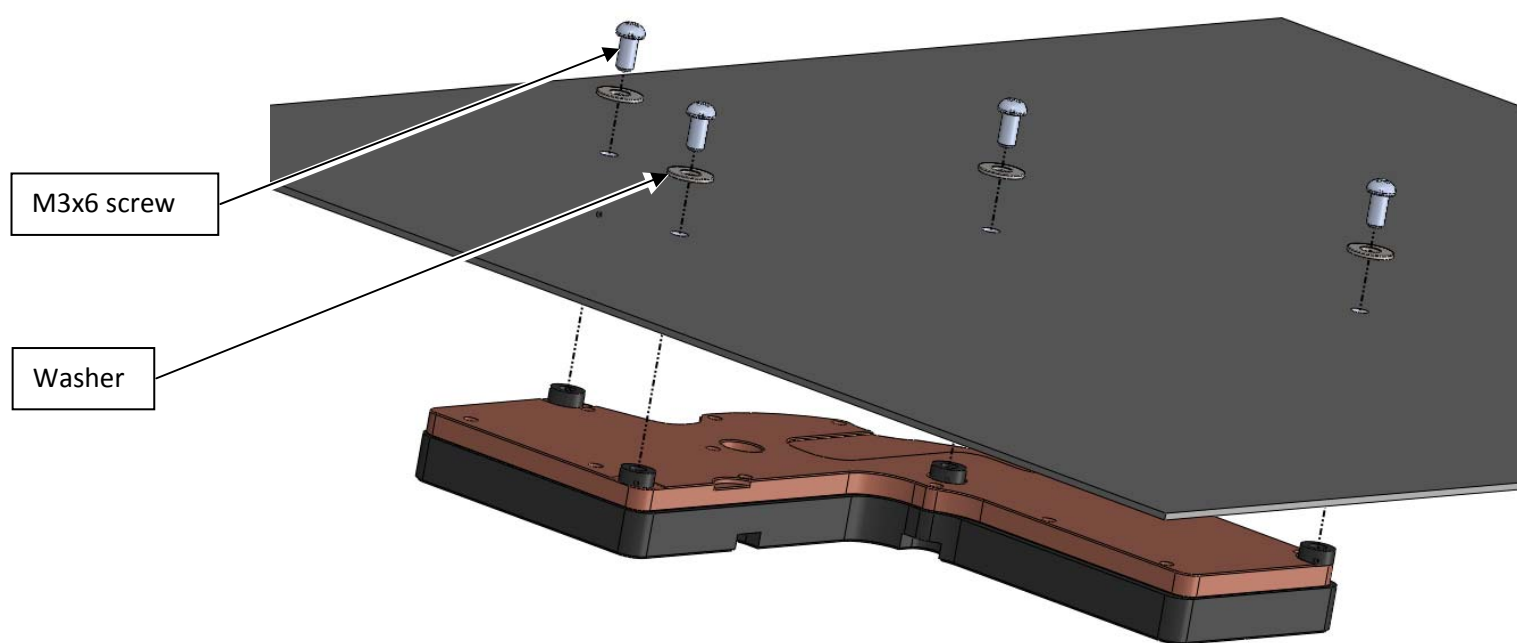
5. PLACING THERMAL PAD ON MOTHERBOARD. Place thermal pad on marked place (Southbridge). Please cut thermal pad in a way to make a square fit.



6. PLACING STANDOFFS ON WATERBLOCK. Your block comes with 4 standoffs which prevent overtightening the screws. To secure standoffs and to make sure they stay on their place while attaching waterblock to motherboard, please apply small amount of thermal paste on standoff and glue it to mounting hole (make sure holes are concentric).



7. ATTACHING WATERBLOCK TO MOTHERBOARD. Place waterblock over motherboard and insert mounting elements in order as shown. Gently screw in all screws and make sure waterblock is attached.



STEP 3: CHECKING FOR CONTACTS

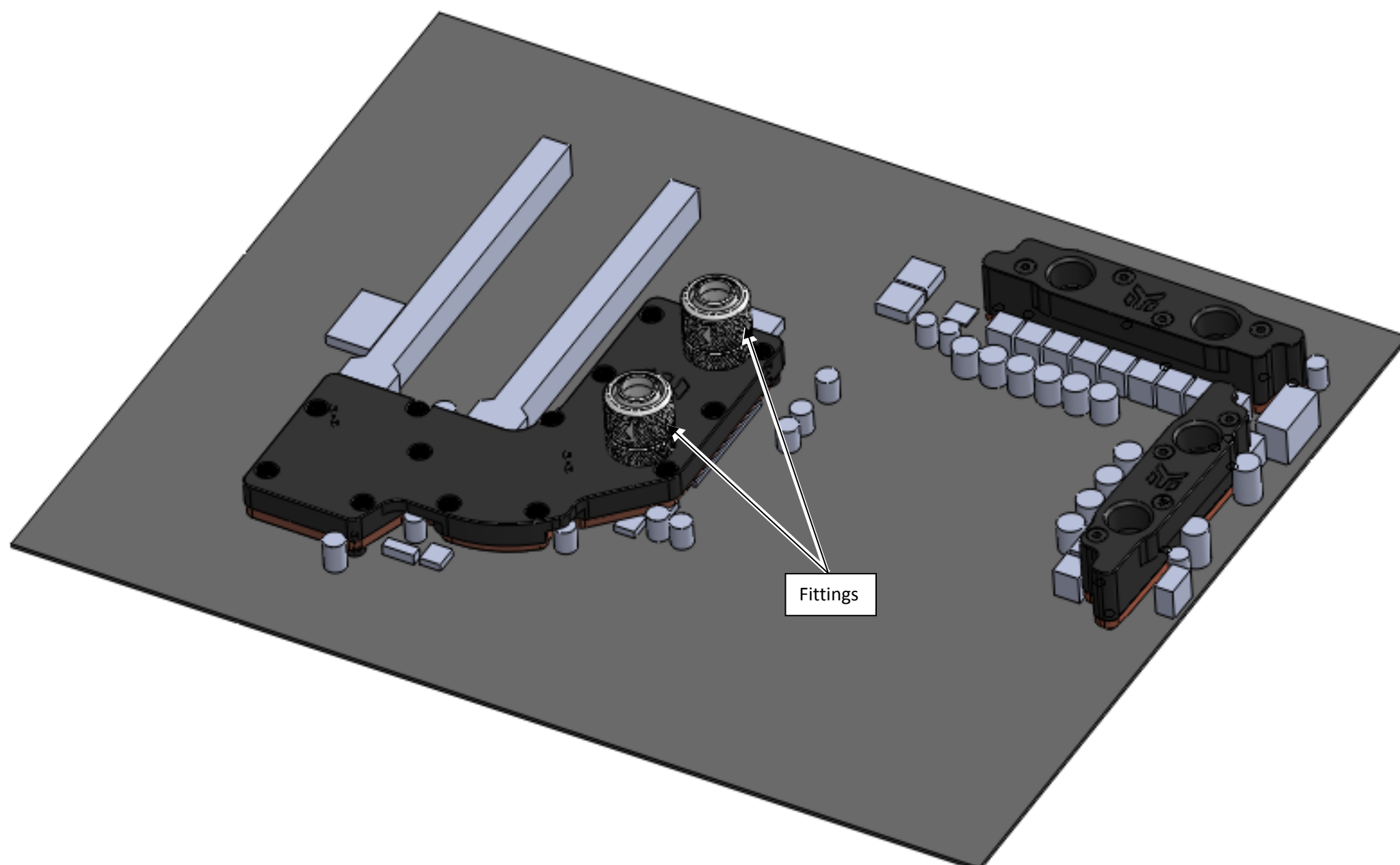
Temporarily remove the water blocks to check for uniform surface contact between the block and the components. Note the pattern of contact on a piece of paper. Then repeat steps 5 and 7 to reattach the block applying more or less pressure to the areas where you have found it necessary.

STEP 4: POSITIONING FITTINGS AND CONNECTING TO WATER CIRCUIT

Screw in fittings, attach the liquid cooling tubes and connect the water-block(s) into the cooling circuit. The EK-FB ASUS X58 series are not sold with high flow fittings. To ensure that the tubes are securely attached to the barb fittings, please use hose clamps or an appropriate substitute. The use of an algicide is always recommended for any liquid cooling system.

You can use any hole as an inlet/outlet hole.

On sample picture you can see complete water cooling solution by EKWB. Please note that mosfet blocks are not included. Please visit our website and cooling configurator for further product information and compatibility results.



REQUIRED TOOLS AND MOUNTING SCREWS:



scissors



philips screwdriver



4 screws M3x6 DIN7985