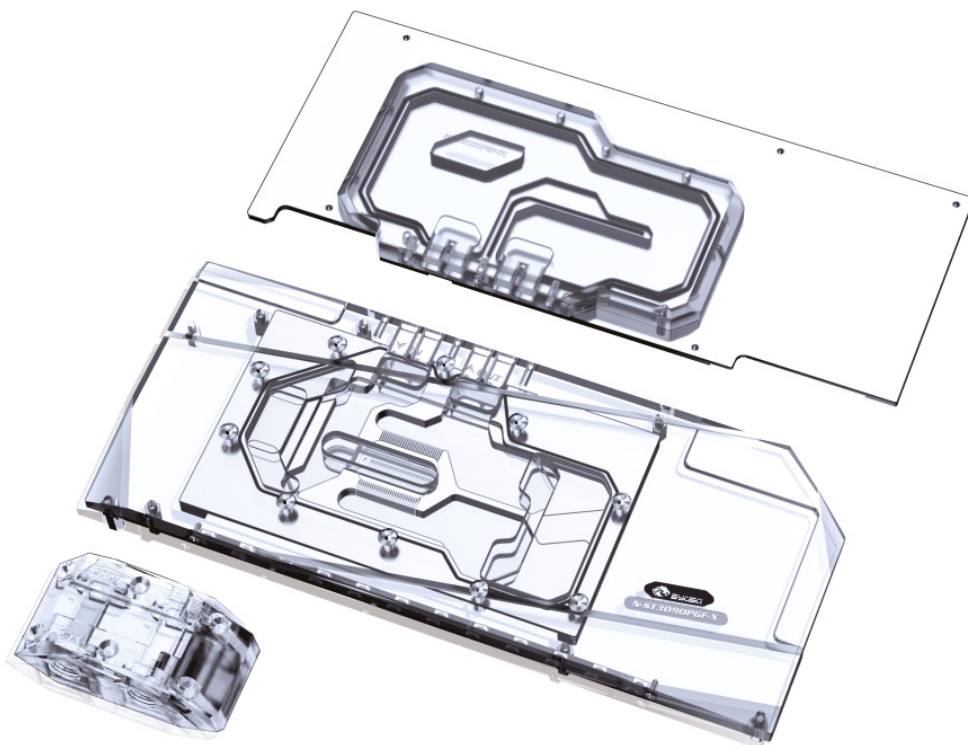# N-ST3090PGF-TC
GPU WATERBLOCK

Bykski EUROPE
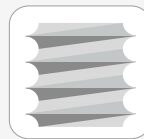
- Imported MITSUBISHI acrylic materials
- Excellent thermal conductive T2 copper plate
- Jet type micro channel structure
- active backplate
- Large channel design, optimised flow

ASRock RGB LED | ASUS AURA SYNC | Bykski RGB SYSTEM | Bykski RBW SYSTEM | NVIDIA

Jet Microchannel 0.5 mm | screw thread G1/4' | Decorative pattern Diamond cut | **T2/Cu-ETP Copper**

SAFETY AND WARRANTY INFORMATION

Before you start using this product, please follow these guidelines:

- Please carefully read the complete manual before beginning with the installation process.

- No liability is accepted for installation errors.

- Only use plastic, copper or brass components in the circuit. The use of other materials can lead to corrosion and other damage to the waterblock.

- Before mounting, please check the compatibility of the cooler with your GPU by comparing the PCB on page 2 with your GPU.

- All Bykski coolers are approved for use with „Aquacomputer DP-Ultra" liquid only. The use of other fluids occurs at the user's own risk.

- Bykski GPU coolers must only be cleaned with distilled water, the use of other cleaning agents may damage the cooler! Never use cleaning agents containing alcohol or acid, this causes the destruction of the acrylic components and may attack the nickel plating!

- Tighten the screws and fittings carefully and firmly. Never use brute force.

- Make sure to thoroughly bleed air out of your water block, otherwise the cooling capacity may be limited.

TABLE OF CONTENT

page

MODDING

www.ezmodding.com

COMPATIBILITY

Before installing the waterblock, please ensure the compatibility.
Use our configurator: https://ezmodding.com/en
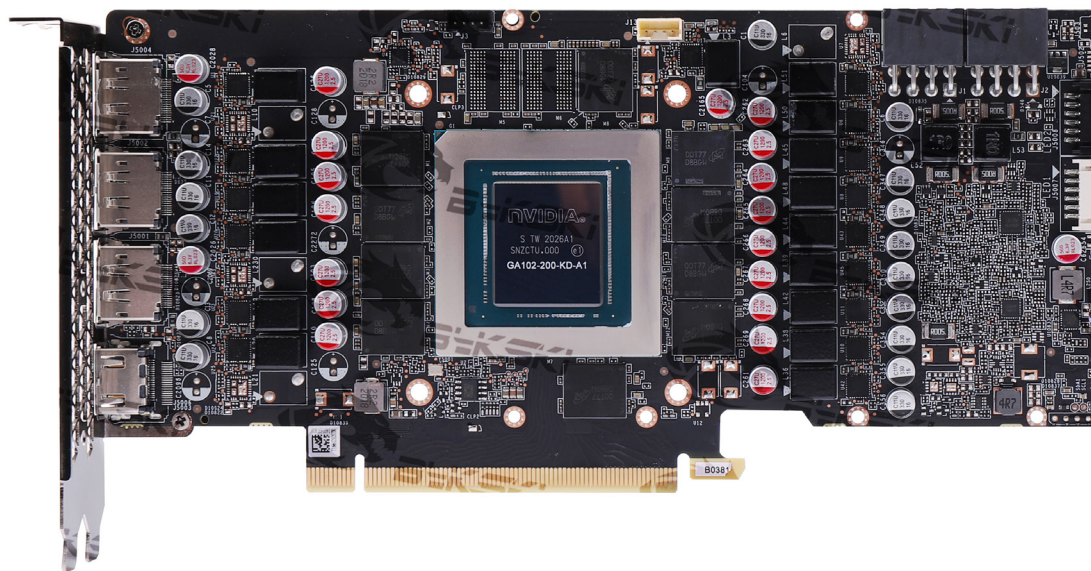
COMPATIBLE ZOTAC RTX3090 PCB

BOX CONTENTS

Dimensions in mm

294

47.05

152.58

N-ST3090PGF-TC (1 pc)

294.99

17

122.58
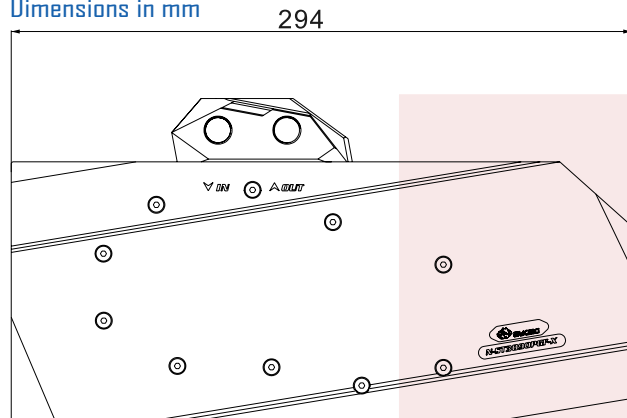
ACTIVE BACKPLATE (1 pc)
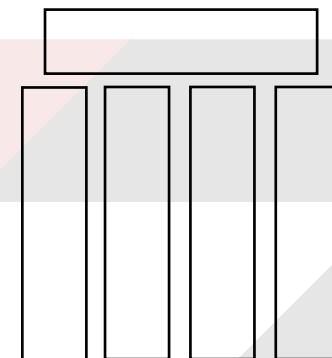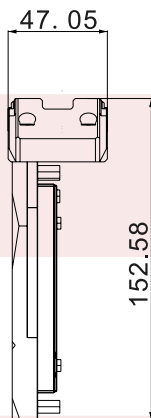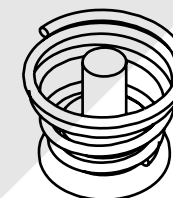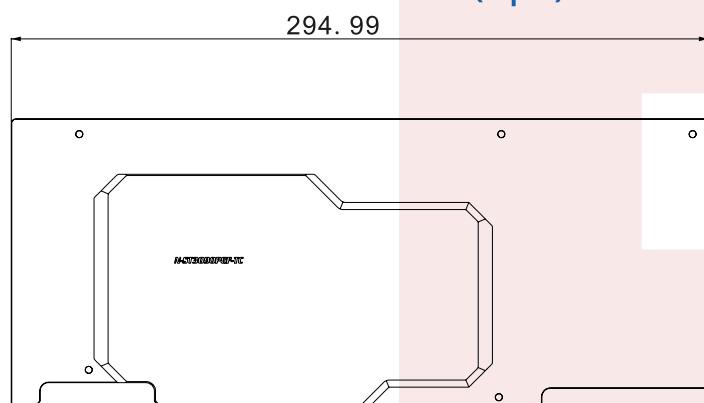
1,8mm THERMAL PAD
100x14mm (5 pcs)
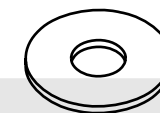
0,5mm WASHER (4 pcs)

M2X6mm
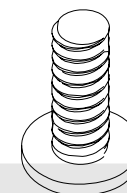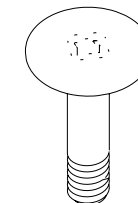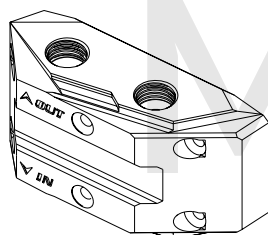SPRING SCREW (4 pcs)
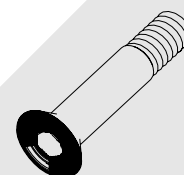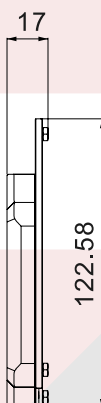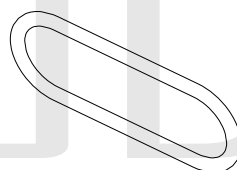
M4X22mm
SCREW (4 pcs)
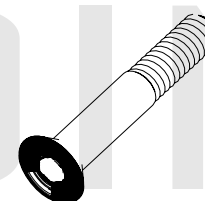
M2X5mm
SCREW (1 pcs)

M2X9,5mm
SCREW (5 pcs)

TERMINAL (1 pc)

SEALING RING (6 pcs)

M4X35mm
SCREW (2 pcs)

WASHER
(7 pcs)

PREPARATION OF THE GRAPHICS CARD

1. Remove the stock cooler.
2. Wipe off the thermal paste of the components using a nonabrasive cloth and remove the original thermal pads.
3. Check the position and number of screws on the block and test if the block fits your graphics card.
4. Cut the enclosed thermal pads to the right size for the front- and the backside of the graphics card (grey marked spaces on fig. 2).
5. Apply the thermal paste in a **thin and even** layer on the entire surface GPU chip (grey area on fig. 2) and the thermal pads to the indicated posistions (yellow area on fig. 2).

Before using thermal pads

front   back
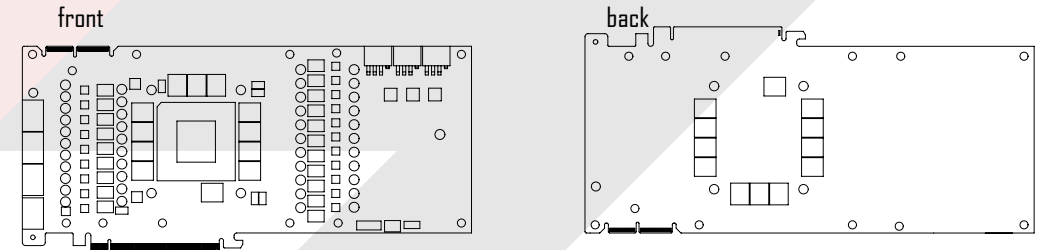
Clean the circuit and chip and wipe off the original thermal pads
Cut the thermal pads to proper size

fig. 1

After using thermal pads

front   Memory thermal pads   back

coat GPU chip with thermal paste

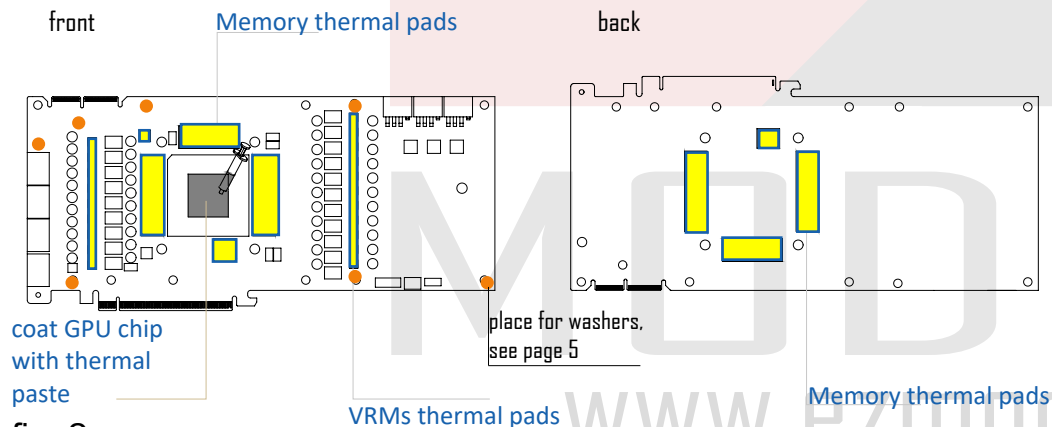place for washers, see page 5

VRMs thermal pads

Memory thermal pads

fig. 2

⚠️

① **No** thermal pads are required on the **coils!**
② The memory and VRMs marked in yellow **MUST** be covered with thermal pads, otherwise the graphics card may **get damaged.**

INSTALLATION OF THE WASHERS

Backside of the waterblock

premounted screws

washer

washer

washer

washer

The washers belong on the backside of the waterblock. Put them on the premounted screws in the acrylic material. They ensure the right space between the waterblock and the graphics card (marked orange on fig. 2 on page 4)

INSTALLATION OF THE BLOCK


①

②

③

④

⑤

⑥

⚠ If you notice that the block and the graphics PCB do not fit, do not force the block into place, it could cause damage. Contact a technician (support@ezmodding.com).

Step 1:

1. Carefully place the PCB of the graphics card **on top** of the **block** (1).
2. Attach the **block** (1) to the graphics PCB and align the **washer** (4), the **M2X6mm spring screws** (5) and the **M2X5mm screw** (6) with the screw holes of the graphics card and tighten it carefully.
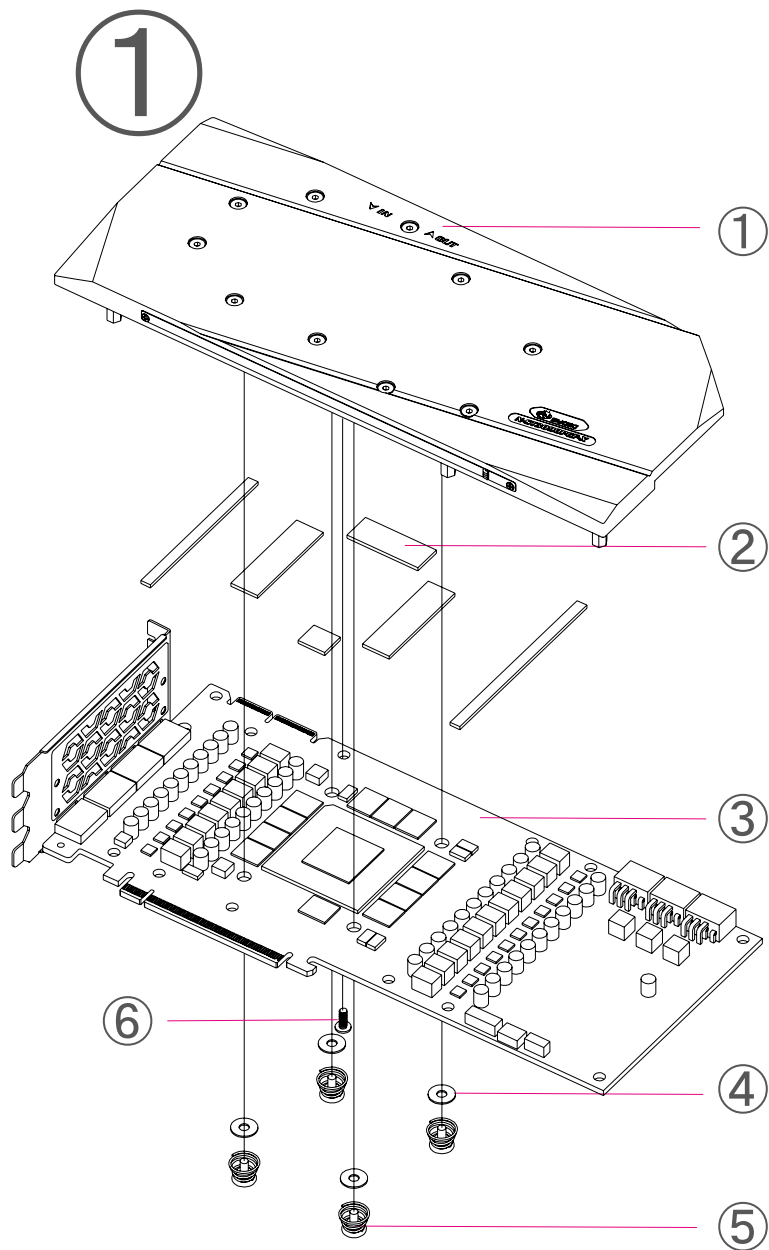
1. N-EV3090FTW-TC
2. 1,8mm thermal pads
3. Graphics card
4. 0,5mm washer
5. M2X6mm spring screw
6. M2X5mm screw
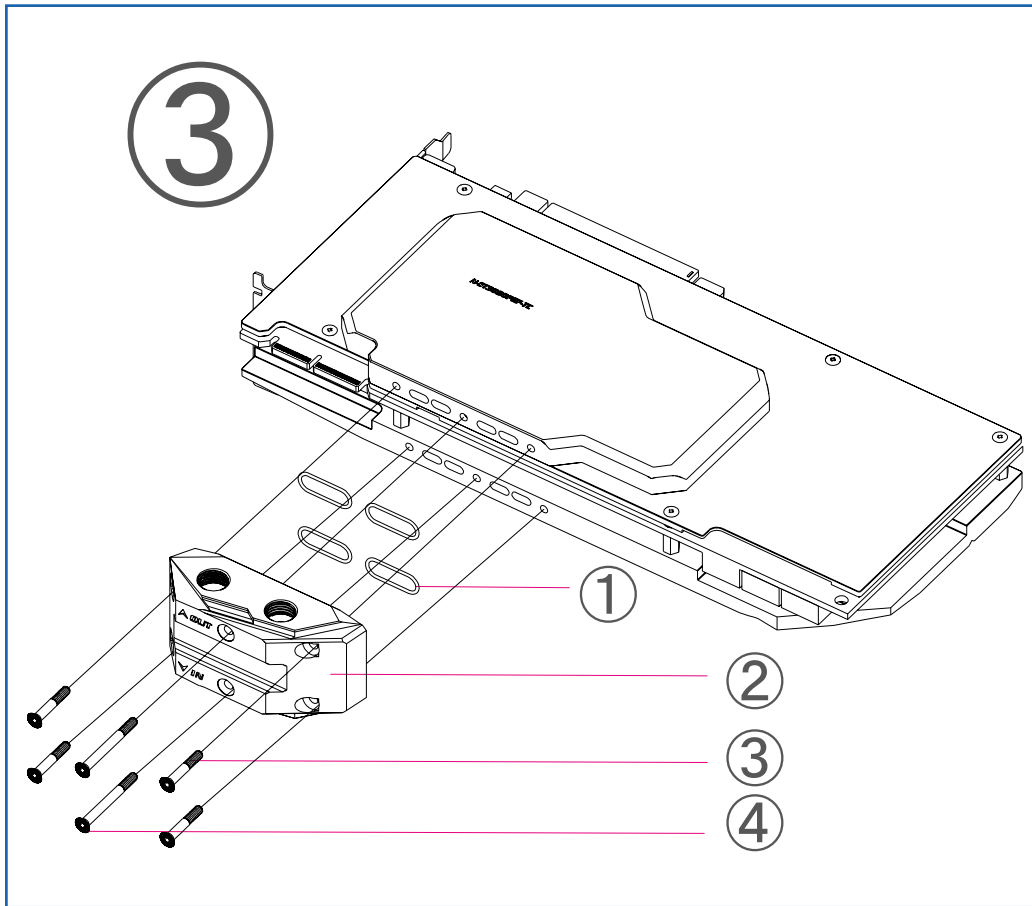
INSTALLATION OF THE BACKPLATE

② ① ② ③
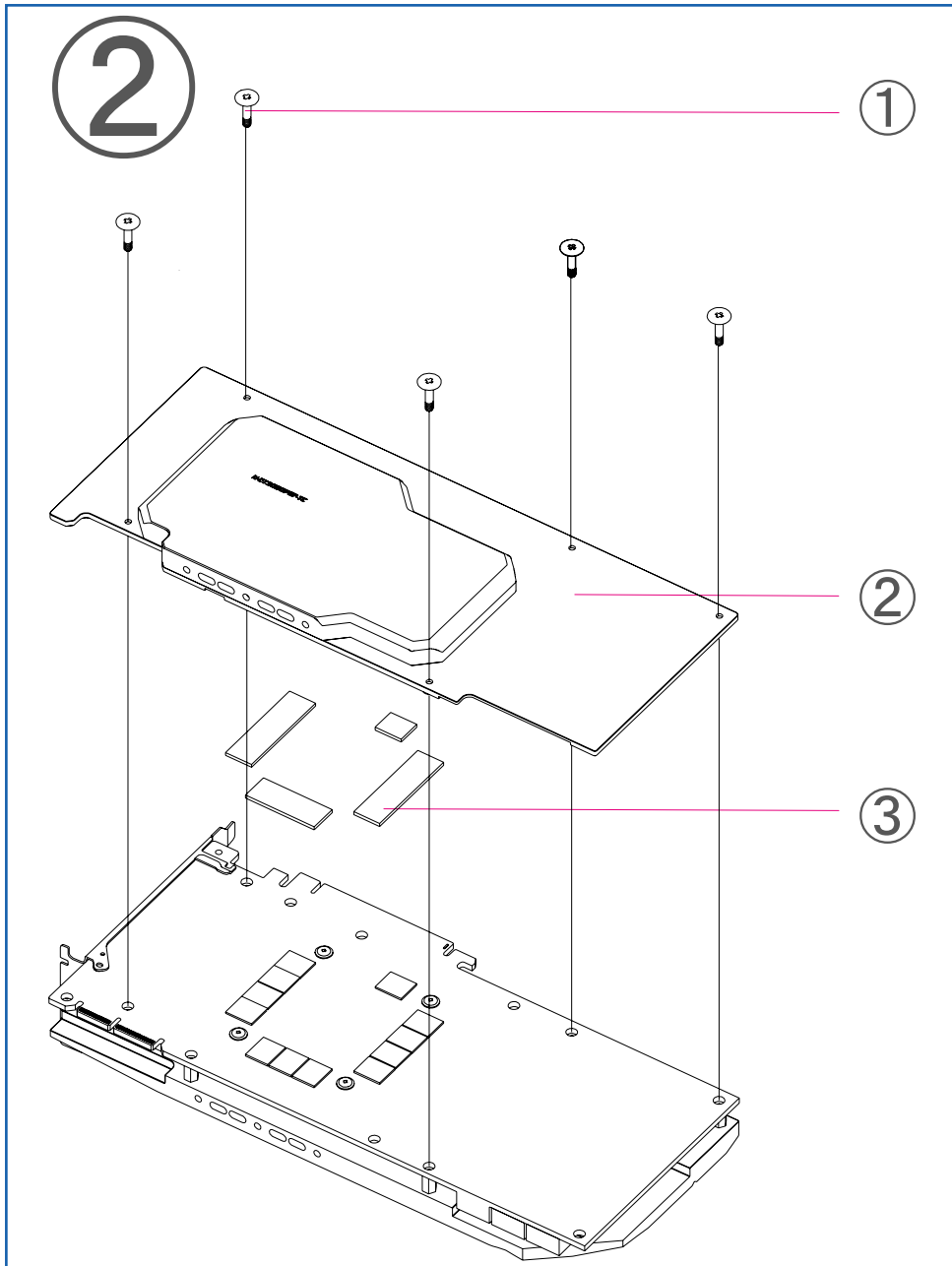
Step 2:

Place the **backplate** (2) **on the back** of the graphics card and secure it **carefully** with the screws (1) in the corresponding position of the screw holes.

1. M2X9 5mm aluminium screws
2. Copper back plate with waterway
3. 1,8mm thermal pads

INSTALLATION OF THE TERMINAL

③

Install the **terminal** (2) and secure it **carefully** with the **M4X22mm screws** (3) and the **M4X35mm screws** (4).

①
②
③
④

1. Sealing ring (already attached)
2. Terminal
3. M4X22mm screw
4. M4X35mm screw

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SUPPORT AND SERVICE

In case you have any questions regarding our product or need assistance, please contact:

support@ezmodding.com

You can also use our contact form:

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