TITAN ONE_2.0 Installation Guide V1

Parts List

BPTA-O11D_A2.0_FTK-BK

A CPU Water Block
- A-1 BPTA-CPUMS-V2-SKA ....1 pc
- A-2 Intel Mounting Bracket ....1 pc
- A-3 Backplane assembly ....1 set

B Fittings
- B-1 BPTA-DOTFH1622 ....2 pcs
- B-2 BPTA-15ATFH16 ....2 pcs

C Accessory
- C-1 Hard tube ....2 pcs
- C-2 Fitting + soft tube ....1 pc
- C-3 CPU set

> Thumb screw
> SPRING
> Thumb nut
> 1mm Spacer
> M3x32mm Screw
> SC6-32M3
> Nylon cup washer

- C-4 BPTA-MKCPUMS-1700

A

B

B-1   B-2

C
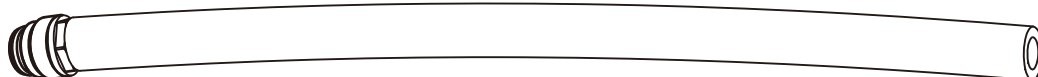
C-1 Hard Tube

252

63

Φ:16
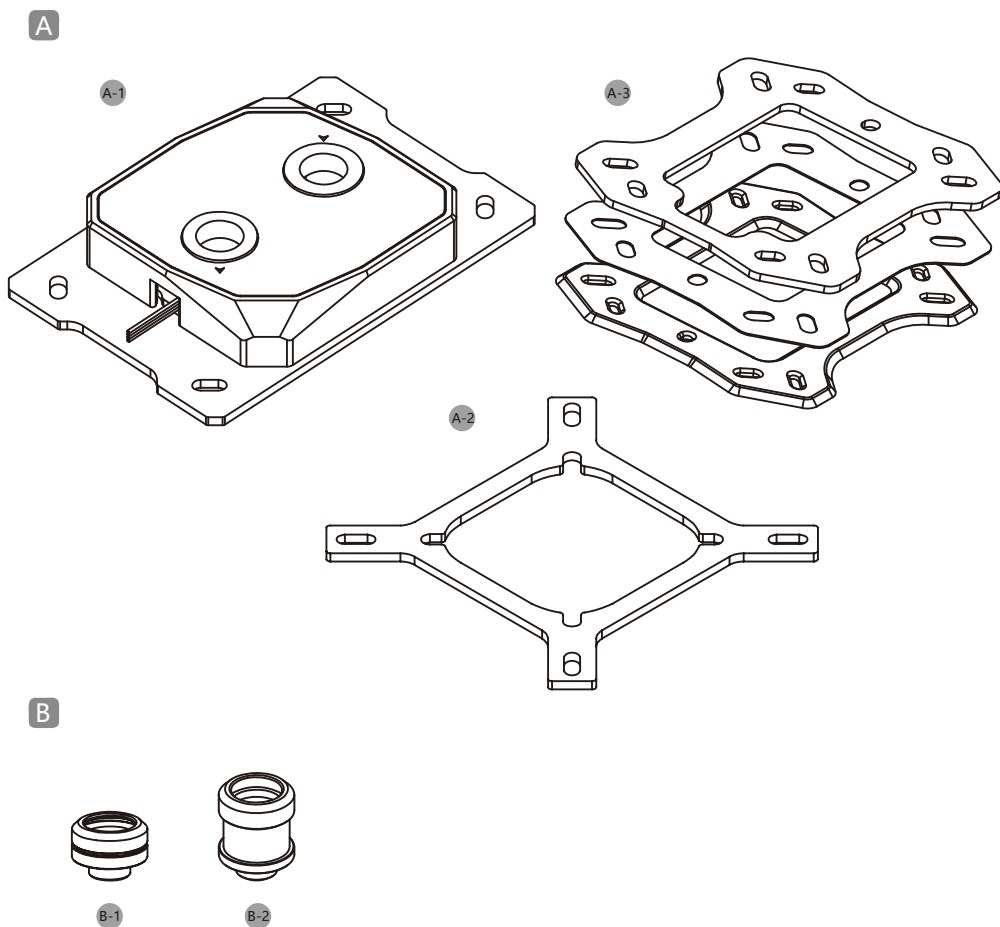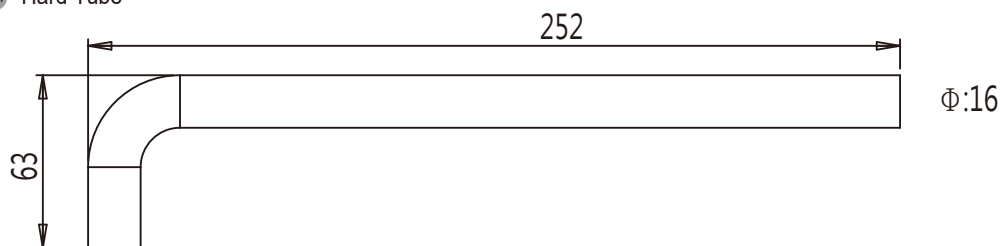
※ The allowable variance in tube length is ± 2mm

C-2 Fitting + soft tube

I. AMD Motherboard system

54
48

IN
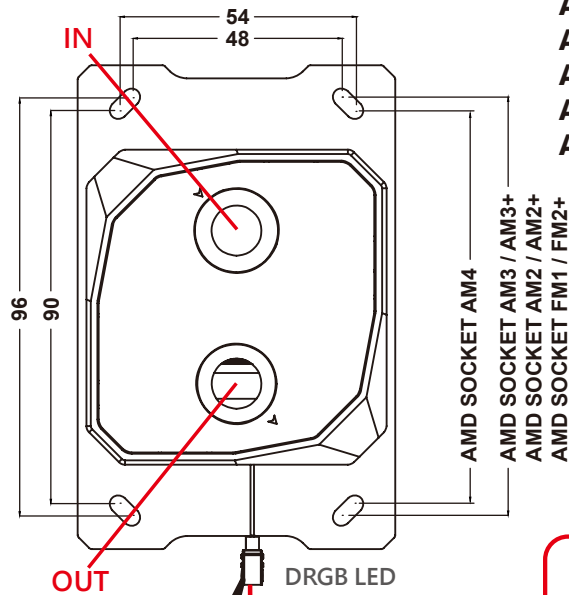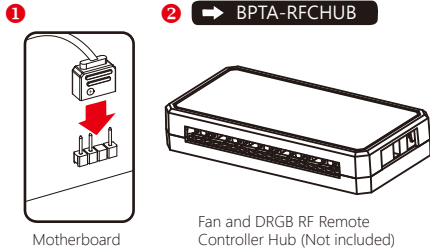
AMD SOCKET 939 / 754 / 940
AMD SOCKET AM4
AMD SOCKET AM3 / AM3+
AMD SOCKET AM2 / AM2+
AMD SOCKET FM1 / FM2+

96
90

AMD SOCKET AM4
AMD SOCKET AM3 / AM3+
AMD SOCKET AM2 / AM2+
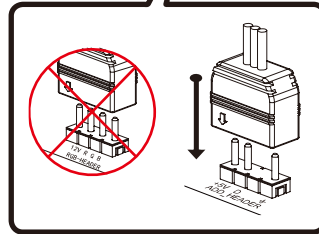AMD SOCKET FM1 / FM2+

Bitspower Fan and DRGB RF Remote Controller Hub (Not included) are now available at microcenter.com

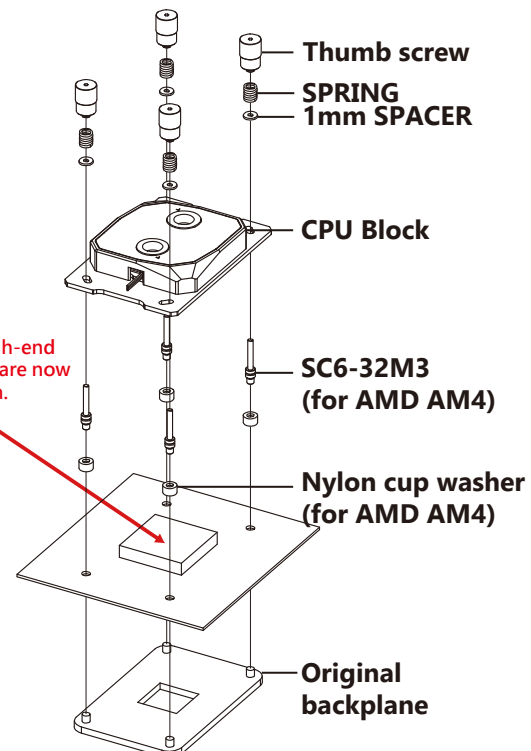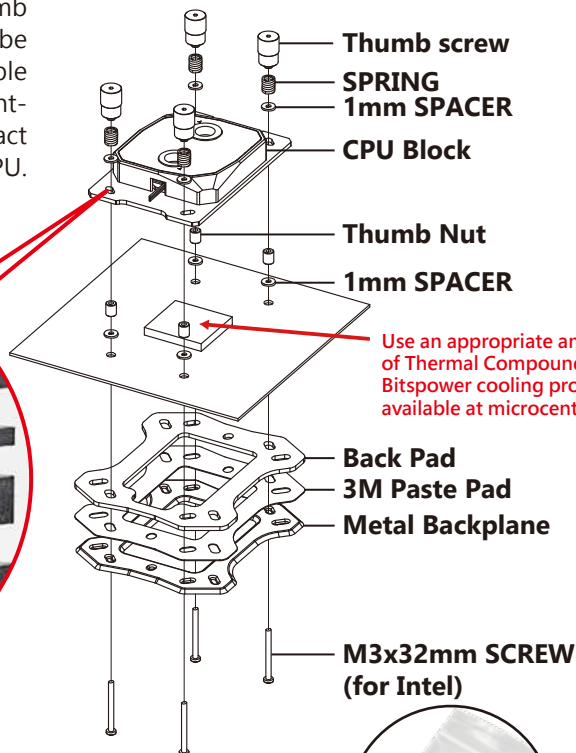DRGB PIN on ❶Motherboard **or** ❷other equipment.

❶

❷ ➡ BPTA-RFCHUB

Motherboard

Fan and DRGB RF Remote Controller Hub (Not included)

The CPU water block has a DRGB cable, which can be connected to the DRGB extension cable of the radiator fans.
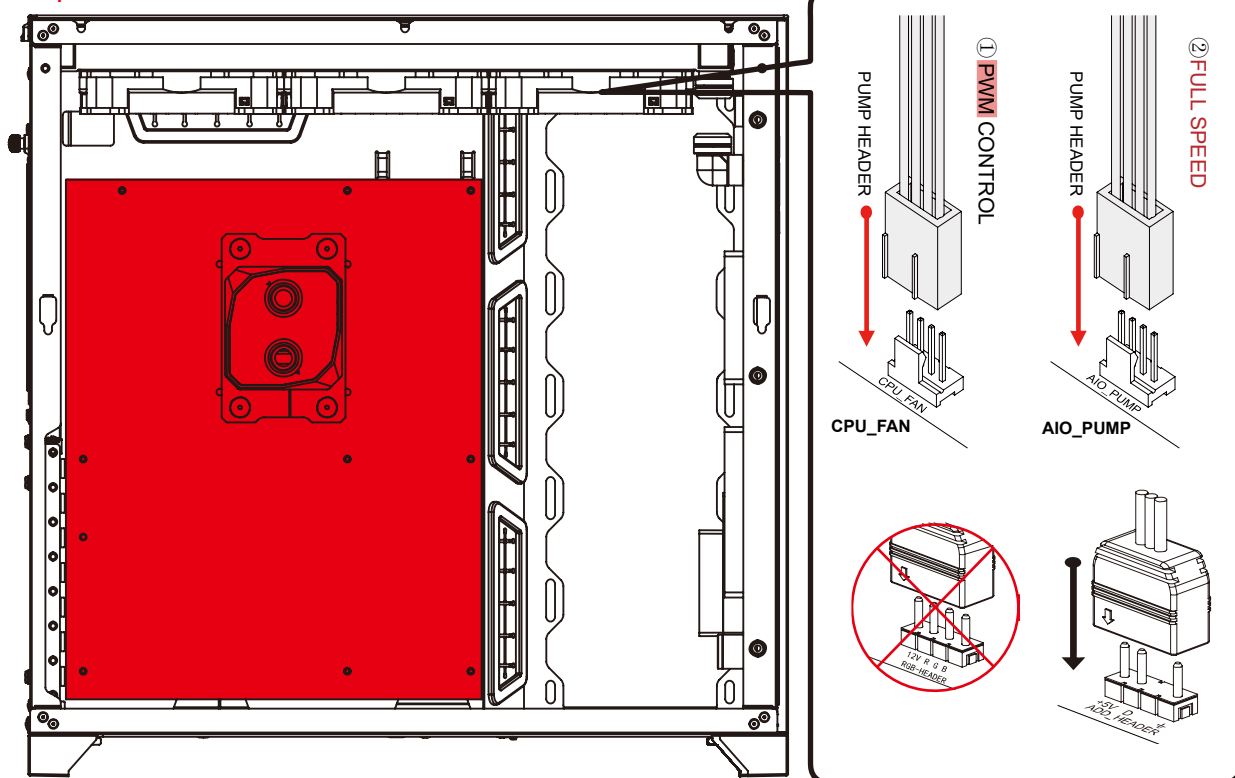
OUT

DRGB LED

Installation

Do not over-tighten the thumb screws. The springs should be slightly compressed, with visible gaps in the spring coils. Over-tightening may result in poor contact between the water block and CPU.
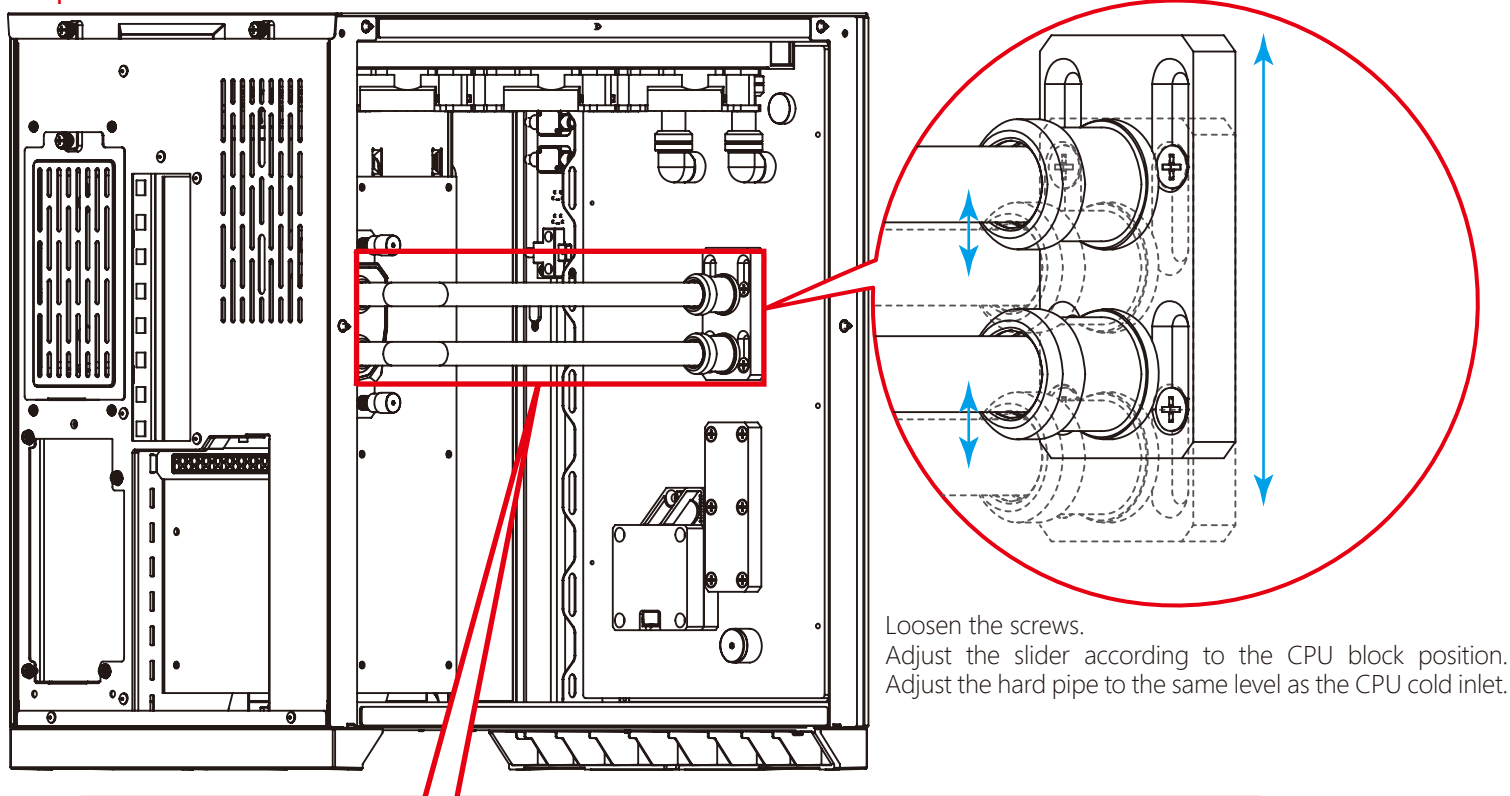
Thumb screw
SPRING
1mm SPACER
CPU Block
Thumb Nut
1mm SPACER

Use an appropriate amount of Thermal Compound, - high-end Bitspower cooling products are now available at microcenter.com.

Back Pad
3M Paste Pad
Metal Backplane

M3x32mm SCREW (for Intel)

for Intel

Thumb screw
SPRING
1mm SPACER
CPU Block

SC6-32M3 (for AMD AM4)

Nylon cup washer (for AMD AM4)

Original backplane

II. AMD Chipset Installation

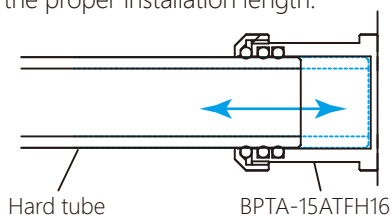Titan One 2.0 is compatible with most motherboards. If not compatible, please contact Bitspower directly, thank you.
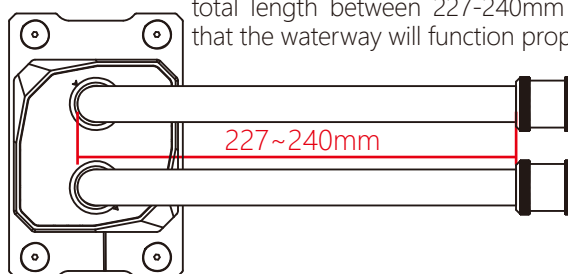
Step 1

① PWM CONTROL

PUMP HEADER

CPU_FAN

CPU_FAN

② FULL SPEED

PUMP HEADER

AIO_PUMP

AIO_PUMP

12V R G B
RGB-HEADER

5V D ⌷ +
ADD_HEADER

Step 2

Loosen the screws.
Adjust the slider according to the CPU block position.
Adjust the hard pipe to the same level as the CPU cold inlet.

When installing the hard pipe from the CPU block to the water distribution reservoir, You can move the hard pipe left and right to get the proper installation length.
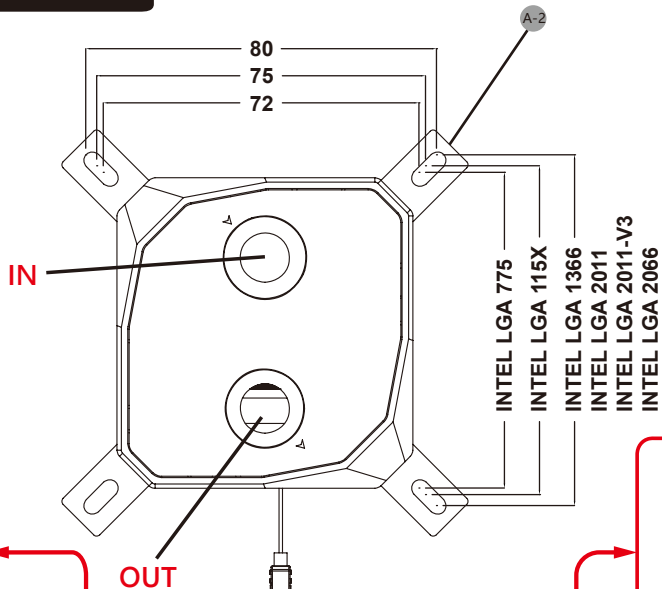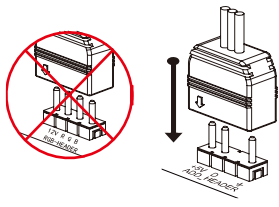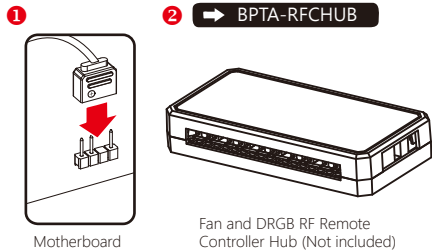
Hard tube   BPTA-15ATFH16

After the hard pipe is installed, please keep the total length between 227-240mm to ensure that the waterway will function properly.

227~240mm

III. Intel Motherboard system

80
75
72

A-2

INTEL LGA 775
INTEL LGA 115X
INTEL LGA 1366
INTEL LGA 2011
INTEL LGA 2011-V3
INTEL LGA 2066

INTEL LGA 775
INTEL LGA 115X
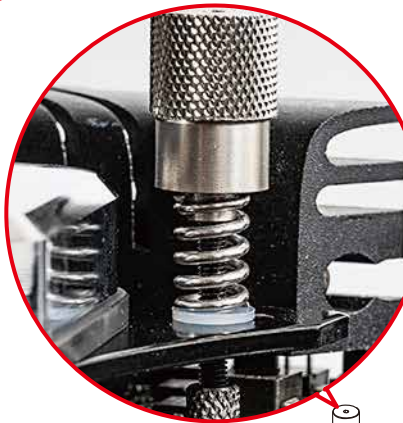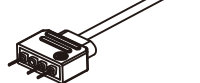INTEL LGA 1366
INTEL LGA 2011
INTEL LGA 2011-V3
INTEL LGA 2066

IN

Bitspower Fan and DRGB RF Remote Controller Hub
(Not included) are now available at microcenter.com

DRGB PIN on ❶ Motherboard **or** ❷ other equipment.

❶   ❷ ➡ BPTA-RFCHUB

Motherboard   Fan and DRGB RF Remote
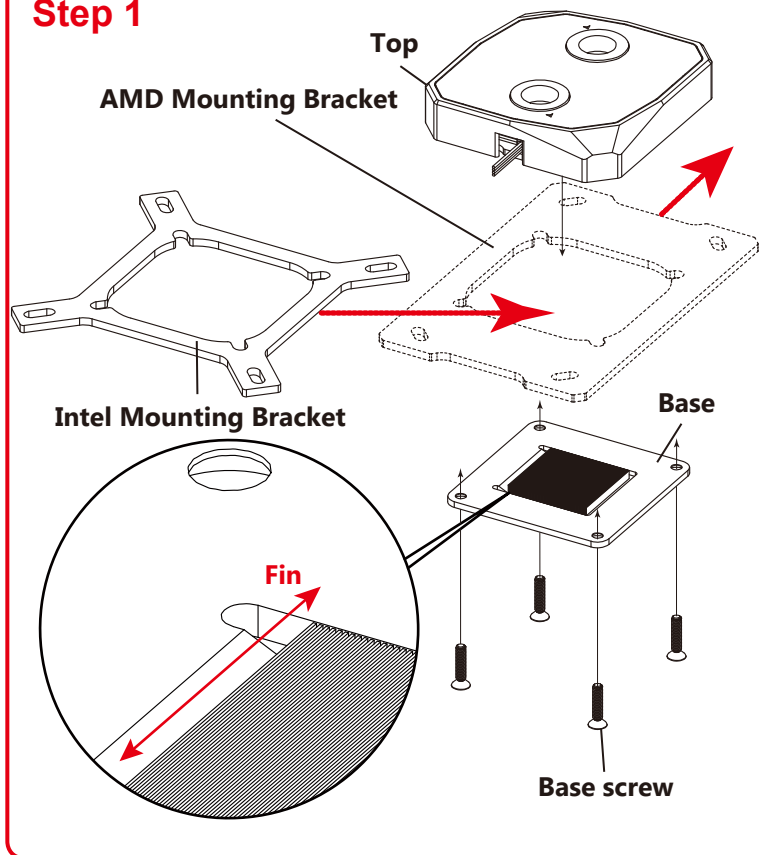   Controller Hub (Not included)

OUT

The CPU water block has a DRGB cable, which
can be connected to the DRGB extension
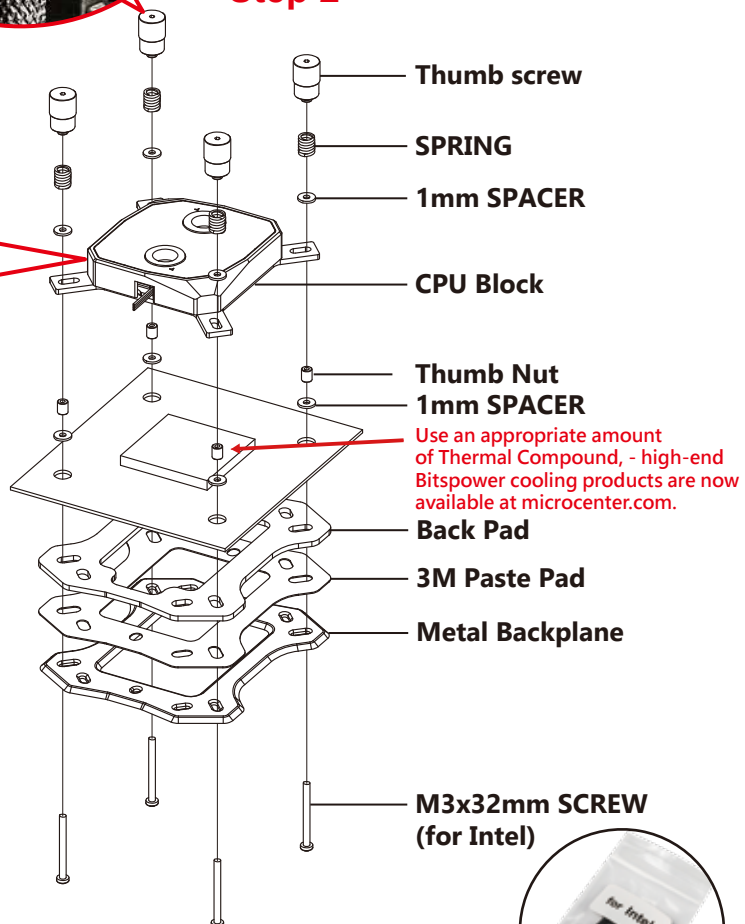cable of the radiator fans.

Do not over-tighten the thumb screws. The
springs should be slightly compressed, with
visible gaps in the spring coils. Over-tighten-
ing may result in poor contact between the
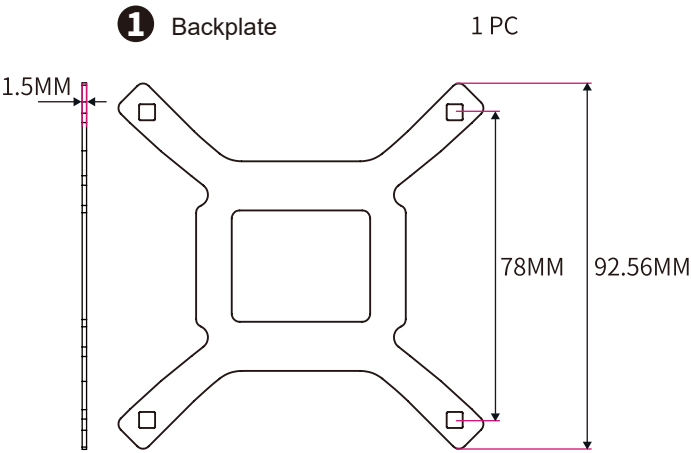water block and CPU.

Installation

Step 2

Step 1

Top

AMD Mounting Bracket

Intel Mounting Bracket

Base

Fin

Base screw

Thumb screw

SPRING

1mm SPACER

CPU Block

Thumb Nut
1mm SPACER

Use an appropriate amount
of Thermal Compound, - high-end
Bitspower cooling products are now
available at microcenter.com.

Back Pad

3M Paste Pad

Metal Backplane

**M3x32mm SCREW
(for Intel)**

for Intel

C-4 BPTA-MKCPUMS-1700

❶ Backplate   1 PC

1.5MM

78MM   92.56MM

❷ Adjusting Nut   8 PCS

❸ Backplate Bolt   4 PCS

❹ Washer   4 PCS

Assembly steps

step 1

❷

❶

❸

step 2

step 3

Thumb Screw

Spring

4

BPTA-CPUMS-SKI

2

LGA 1700 Intel Motherboards
(Not included)
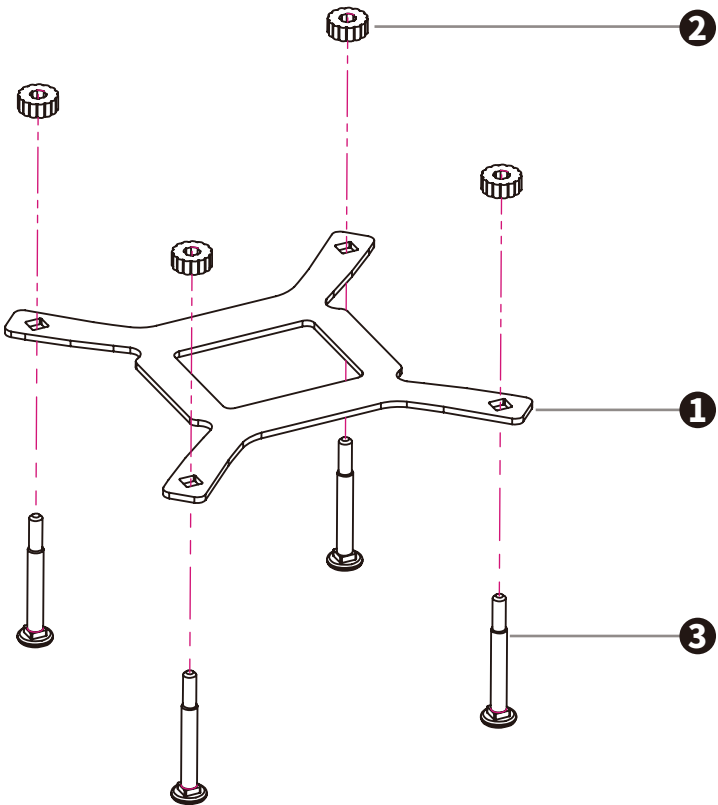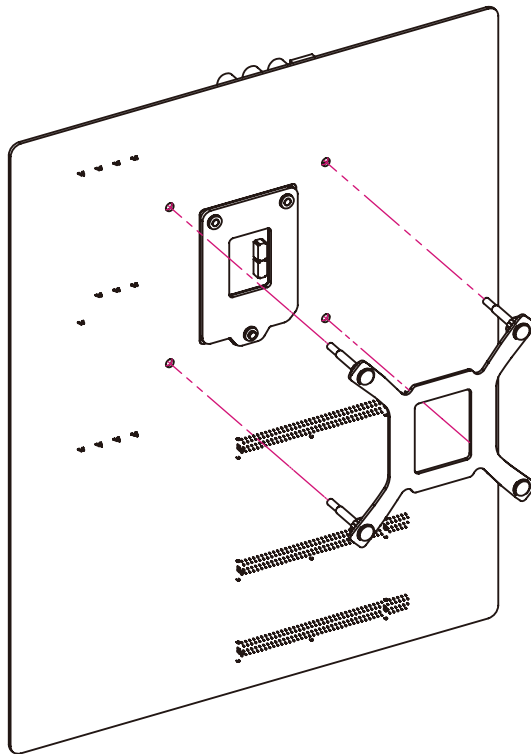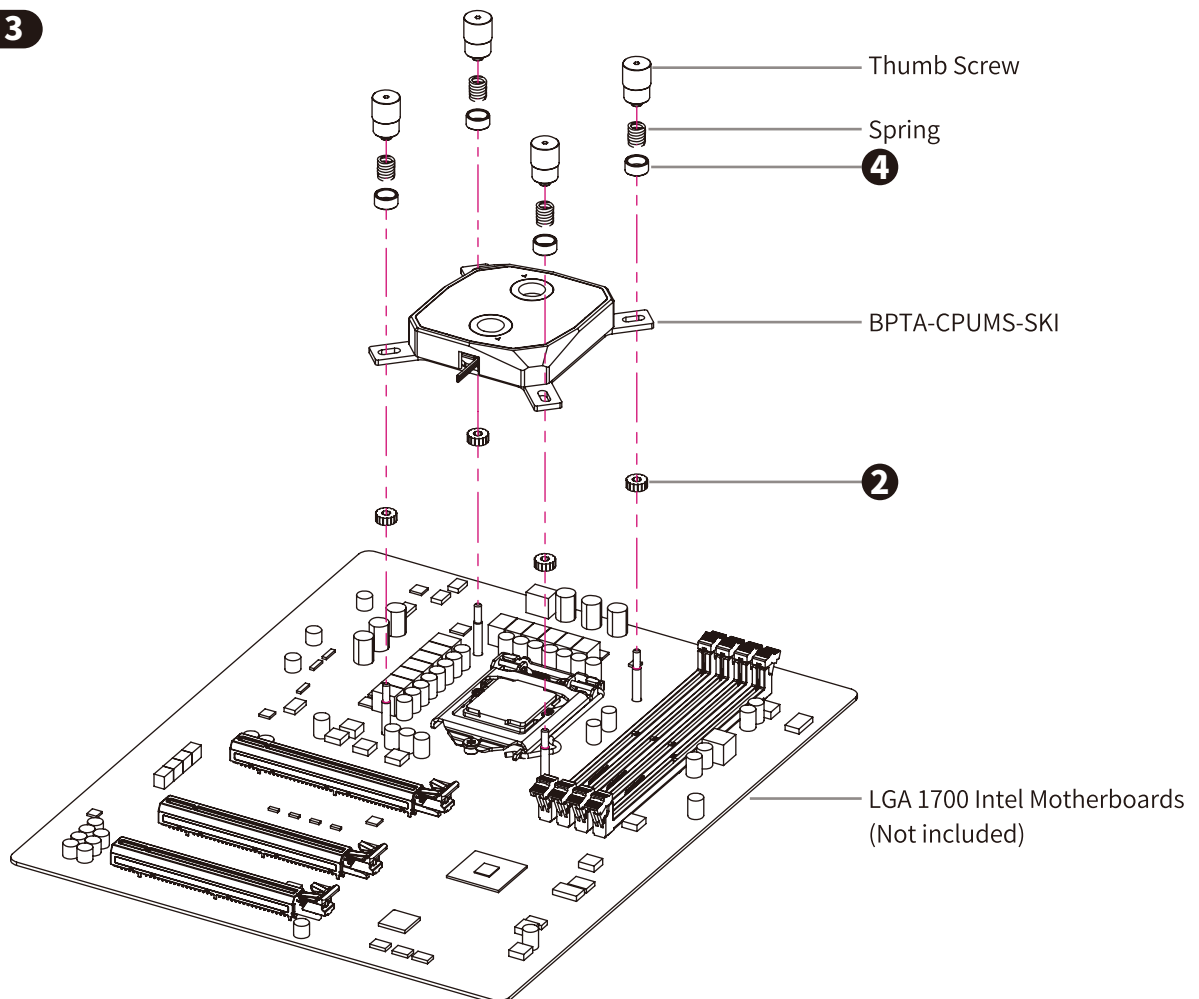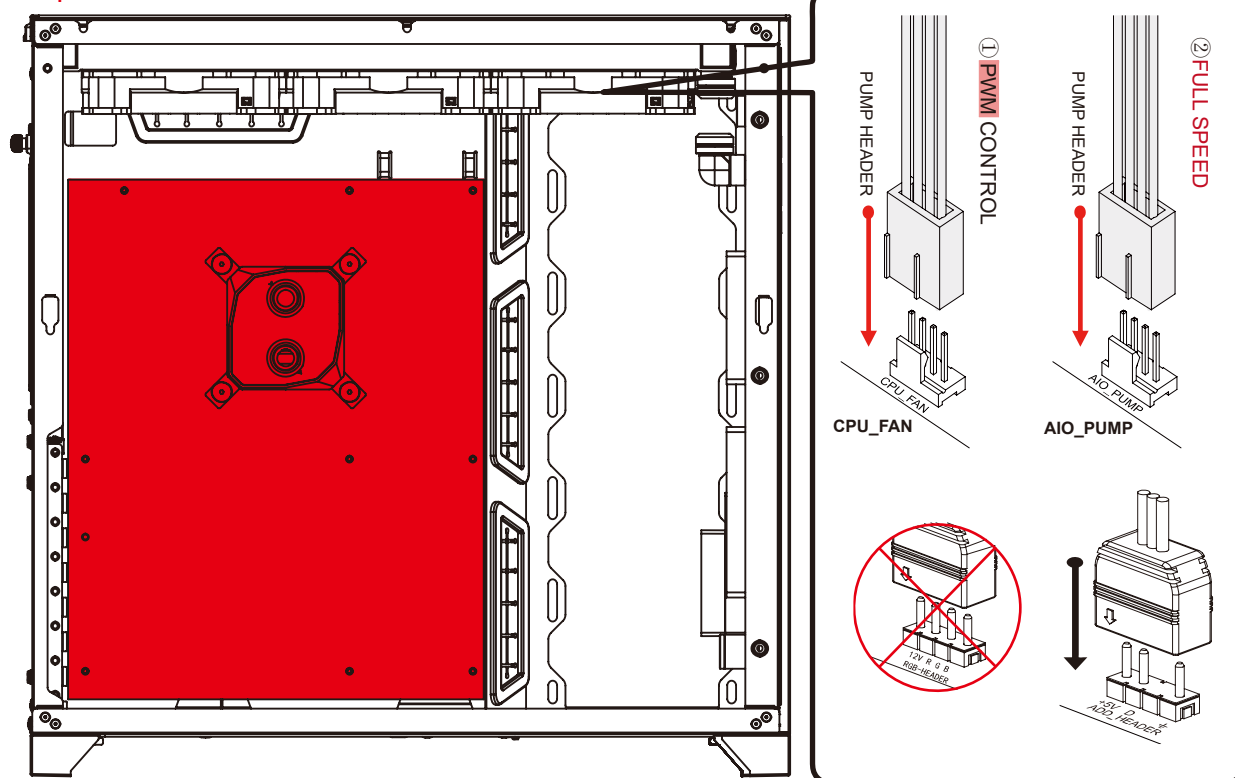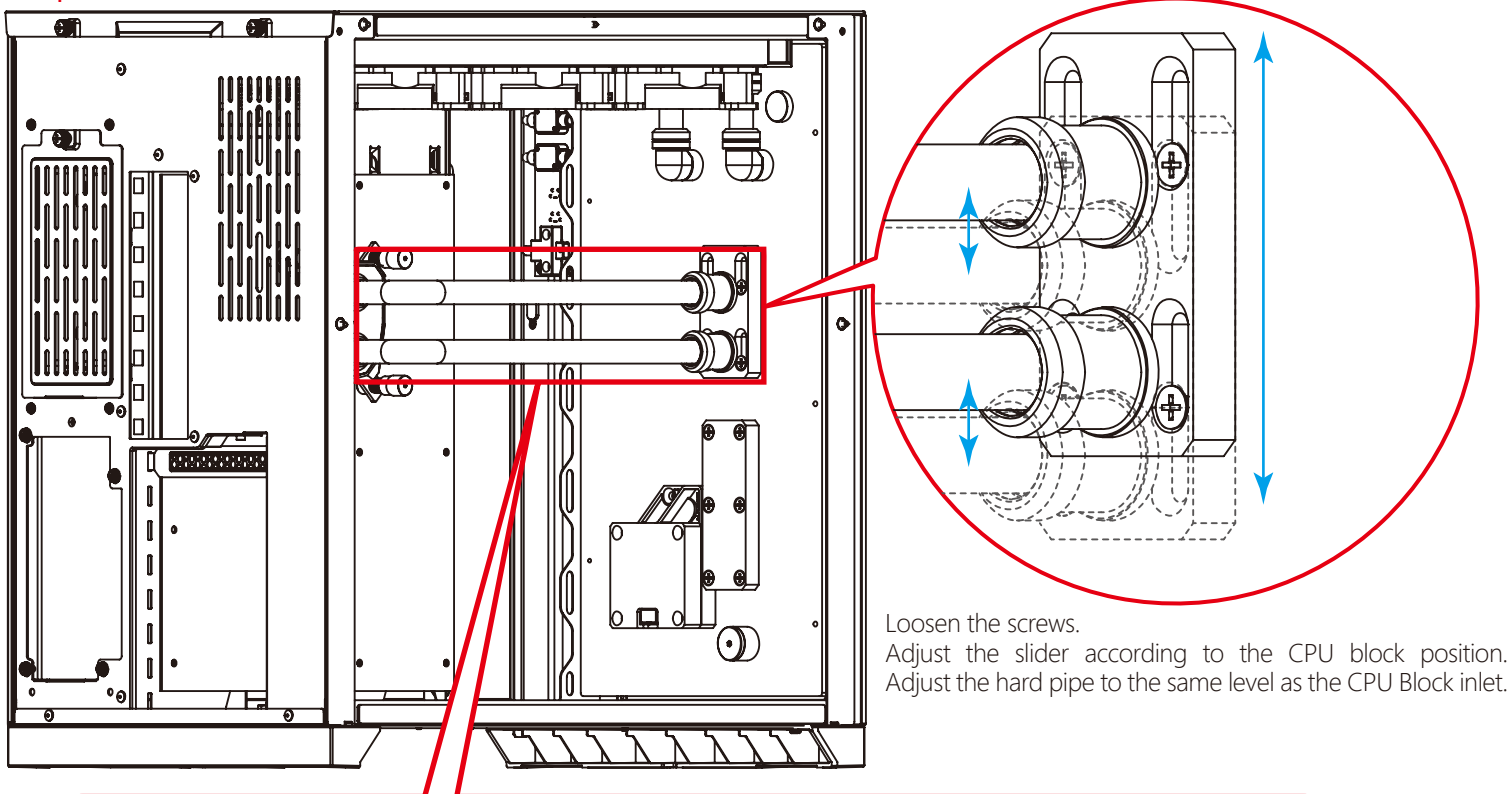
IV. Intel Chipset Installation

Titan One 2.0 is compatible with most motherboards. If not compatible, please contact Bitspower directly, thank you.

Step 1

① **PWM** CONTROL

PUMP HEADER

CPU_FAN

CPU_FAN

② **FULL SPEED**

PUMP HEADER

AIO_PUMP

AIO_PUMP

12V R G B
RGB-HEADER

5V D
ADD_HEADER

Step 2

Loosen the screws.
Adjust the slider according to the CPU block position.
Adjust the hard pipe to the same level as the CPU Block inlet.

When installing the hard pipe from the CPU block to the water distribution reservoir, You can move the hard pipe left and right to get the proper installation length.
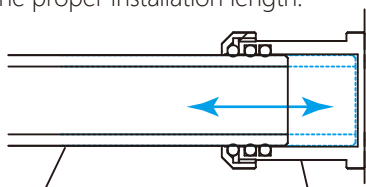
After the hard pipe is installed, please keep the total length between 227-240mm to ensure that the waterway will function properly.

227~240mm
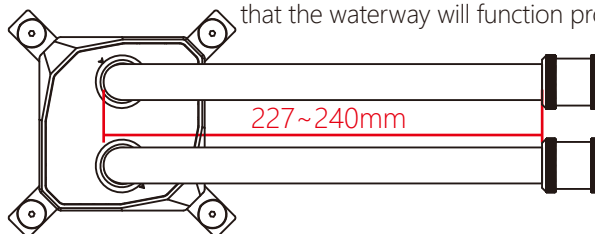
Pour the coolant into the reservoir via the water filling hole. Once the reservoir is 90% full, turn on the power supply for the pump to run and let the air exit the loop. Turn off the power supply when the reservoir is near empty. Repeat until all the air has exited the loop.

Notice : Do not turn on the pump if the reservoir is empty.

⚠️ Bitspower recommends that consumers add the Bitspower coolant or purified water for their water-cooling liquid. If the consumer chooses different water-cooling liquids , the resulting impurities may cause peeling of the coating on some of the hardware, water channels blockage by built-up residue, improper operation of the water pump, water tank tube breakage, and o-rings deformation leading to leakage. Any issues related to the use of inappropriate water-cooling liquid will be the responsibility of the consumer.

⚠️ In order to make the internal circulation of the water cooling system cleaner, and avoid the pump stuck by the precipitate, we advise you to rinse the water cooling system with distilled water in several times until the excluded water is clean.
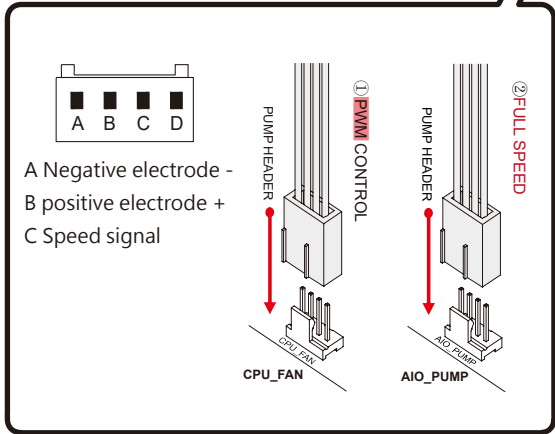
90% full
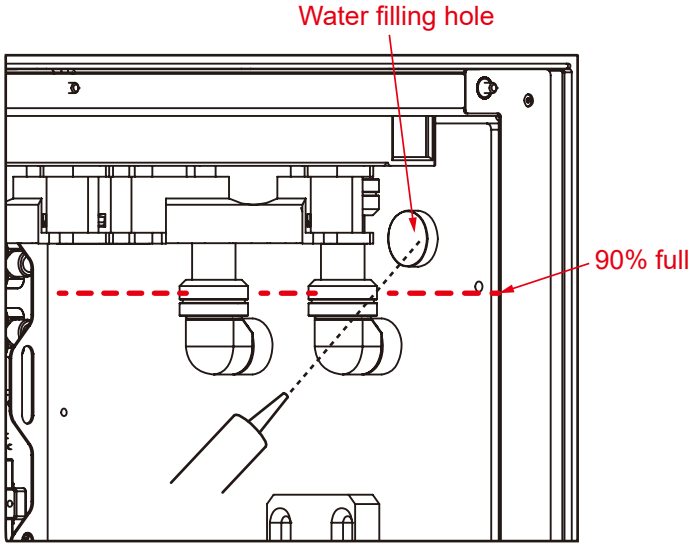
V. BPTA-WDPO11D-AK-LITE
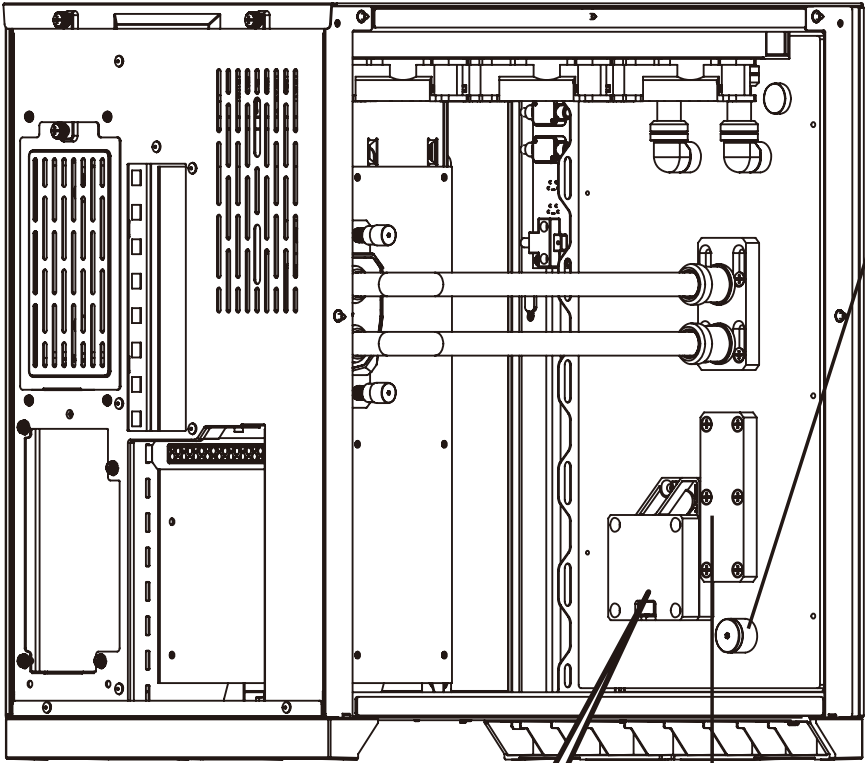
BPTA-EFW
It is recommended to install the water-exhaust fitting at the lowest point of the water cooling system.

Step 1
Unscrew the top of the water-exhaust fitting.

Step 2
Replace with the water-exhaust part. When screwing in the part, water will start to discharge, it is recommended to connect tubing beforehand to control the water outflow.

Before installing the water cooling parts for the graphics card, please remove this part.

A Negative electrode -
B positive electrode +
C Speed signal

A B C D

① PWM CONTROL
PUMP HEADER

② FULL SPEED
PUMP HEADER

CPU_FAN

AIO_PUMP

Pump Spec.
Rated voltage : 12V DC
Power consumption : 8.4W
Maximum flow : 460±15%L/h
Noise : ≦24dBA
PWM : Yes
MTBF : ≦15,000 hours
Warranty : 2 years

Notice

Before filling in the water, please make sure all the components are installed correctly. To prevent any leakage which may damage the PC components, please perform a 24-hour leaking test with only the pump connected to the power supply.

Bitspower reserves the right to change the product design and interpretations. These are subject to change without notice. Product colors and accessories are based on the actual product.

When using leak tester on water cooling loop, in order to avoid product damage due to excessive pressure, the input pressure should not exceed 0.5kg/cm^2 (Bar). If the product is damaged due to excessive pressure, it will be borne by the customer. Forbidden to use the leak teser when there is water in the loop or the pump is runing.

Bitspower requires to use of distilled or pure water or Bitspower Pellucid Coolant as the water-cooling liquid. Also, the consumer can add Bitspower Dye to Pellucid Coolant for the color requirement. But please do not add any biocide by yourself. If the consumer chooses different water-cooling liquids, the resulting impurities may cause peeling off the coating on some of the hardware, water channels blockage by built-up residue, improper operation of the water pump, water tank tube breakage, and O-rings deformation or loss sealing leading to leakage. Any issues related to the use of inappropriate water-cooling liquid will be the responsibility of the consumer.

Do not turn on the pump if the reservoir is empty.