Bitspower®

BPTA-SBSKIT-SI Installation Guide

V2

Accessories

A Radiator ....1 PC
B Fan ....2 PCS
C Radiator mount bracket ...1 PC
D Water tank mount bracket ..2 PCS
E Pump ....1 PC
F Water tank system ....1 PC
G CPU water block ....1 PC
H Fittings ....1 SET
(See following details)
I Other accessories
(See following details) ·1 SET
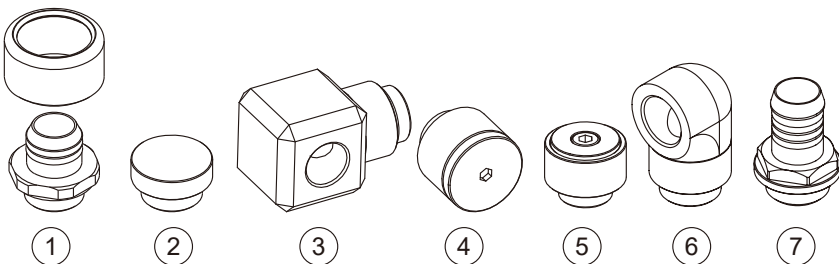
H. Fittings

① TA-CFS3858-GB ....6 PCS
② BPTA-F06-GS ....1 PC
③ TA-TRC-GS ....1 PC
④ BPTA-EFW-V2-GS ......1 PC
⑤ BPTA-EXAIR-GS ....1 PC
⑥ BPTA-90RE-GS ....1 PC
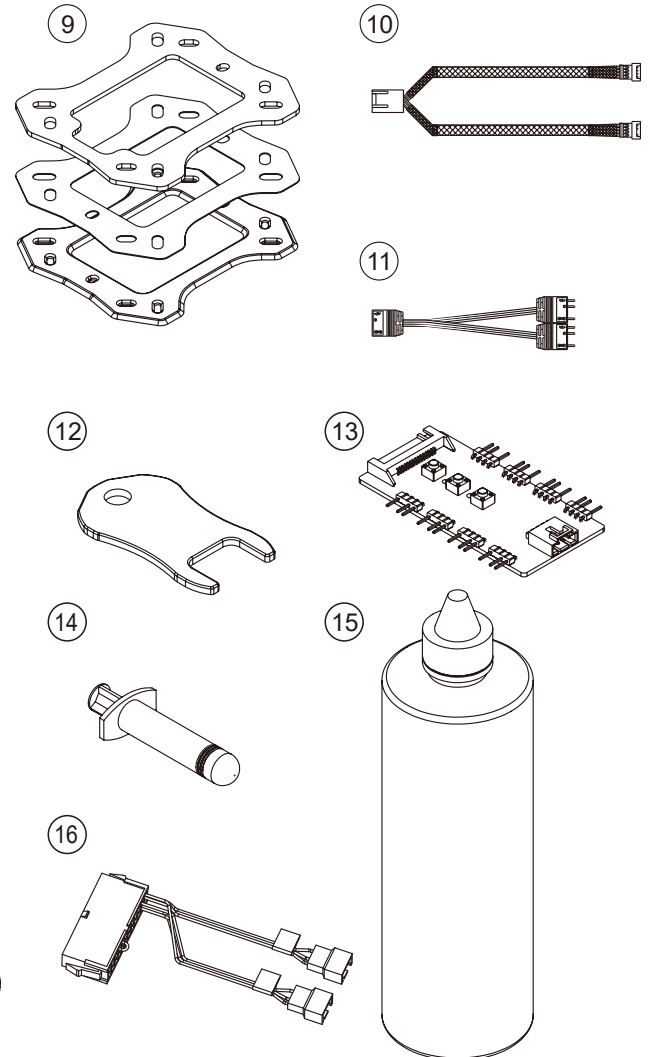⑦ BP-BB2WP-P02 ....1 PC

I. Other Accessories

⑧ Soft tube................1 PC
⑨ CPU backplane set.....1 SET
⑩ Y wire(Fan) ....1 PC
⑪ Y wire(DRGB)...........1 PC
⑫ Fitting nut wrench ....1 PC
⑬ DRGB Multi Function Controller ..1 PC
⑭ Thermal grease ....1 PC
⑮ Coolant ....2 PCS
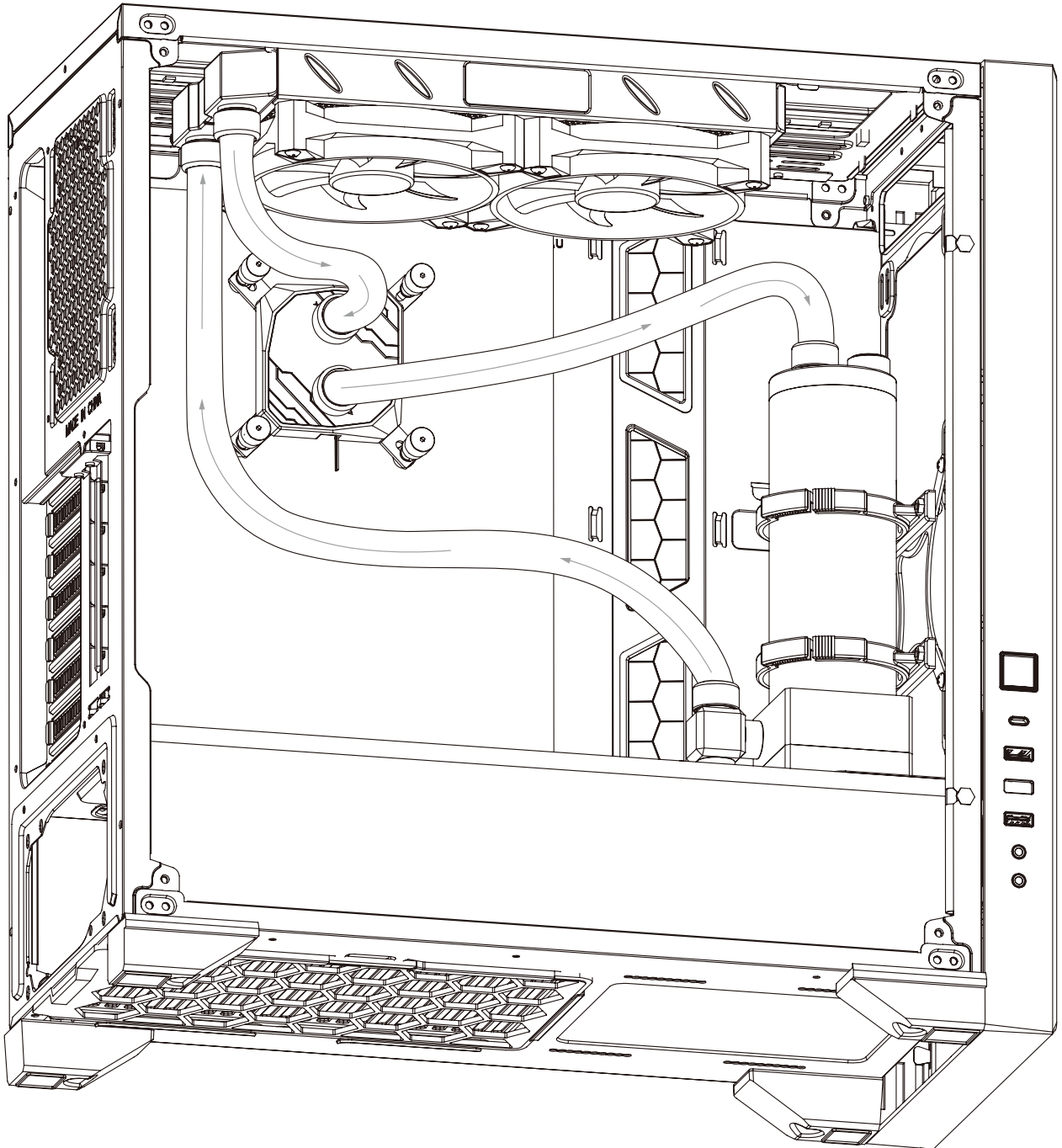⑯ BP-PSC-SOC............1 PC
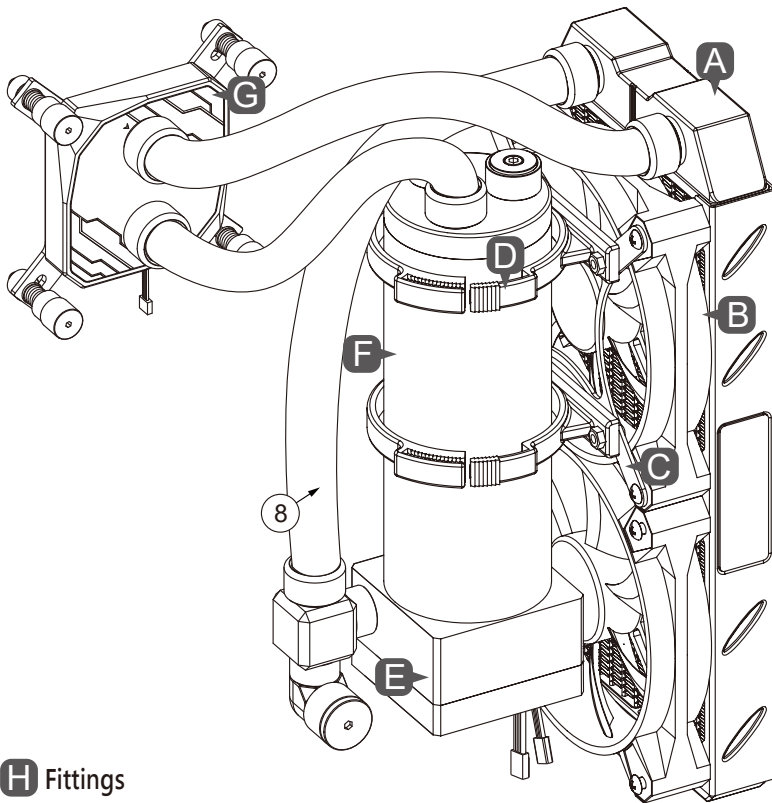
I Other accessories

H Fittings

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.
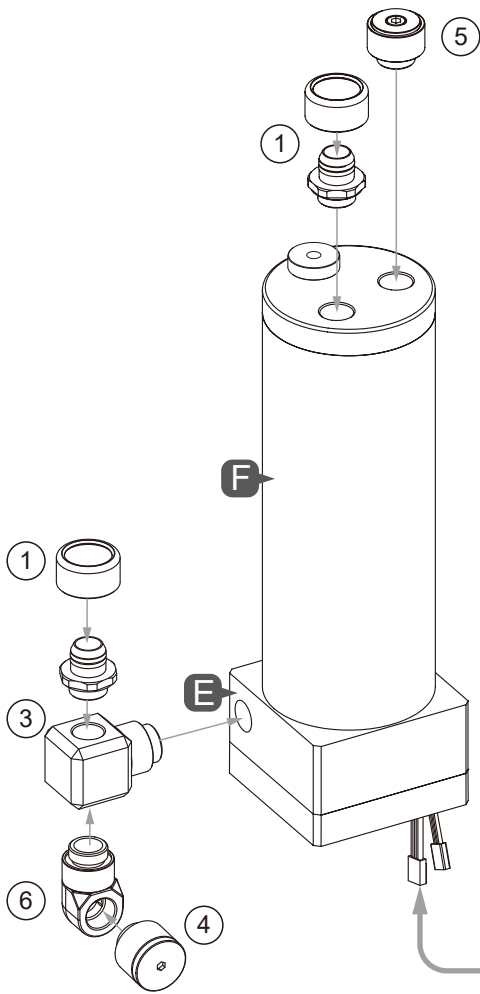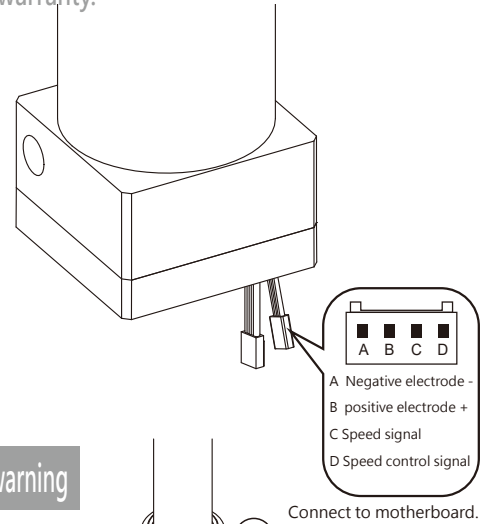
Alternative build

1 Install the water tank flap

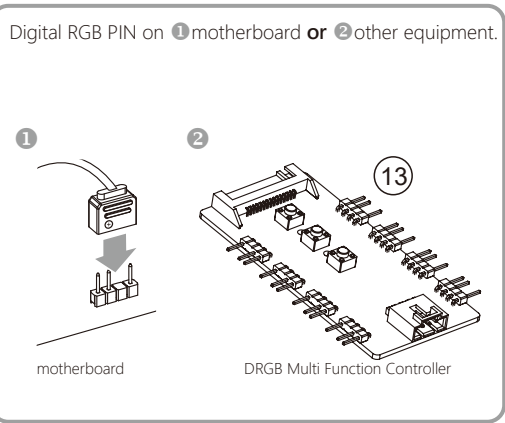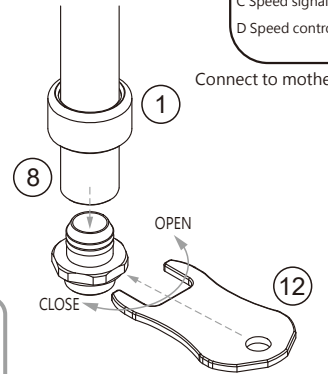The water tank base and water pump should not be disassembled. Disassembly will void the warranty.

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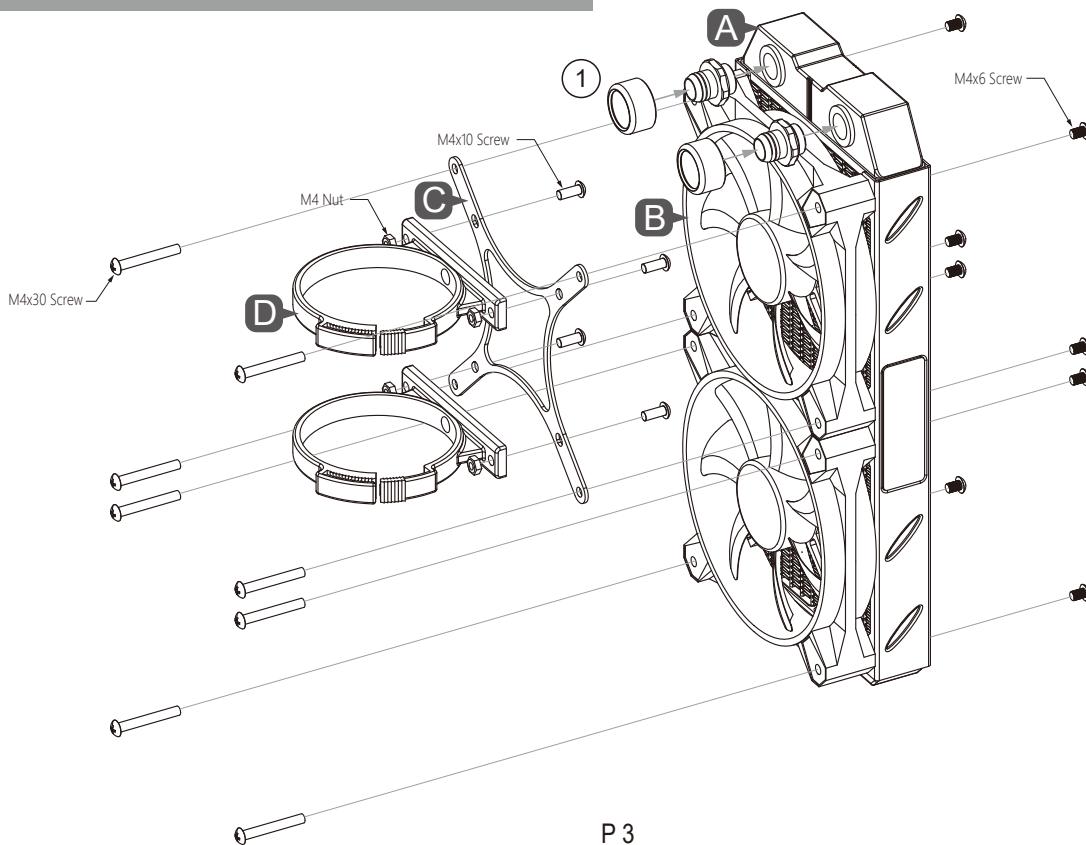PWM : Yes
MTBF : ≦15,000 hours
Warranty : 2 years

A Negative electrode -
B positive electrode +
C Speed signal
D Speed control signal

Connect to motherboard.

! Soft tube installation warning

Soft tube installation steps:

1. Pull the fitting apart by unscrewing the sleeve from the nut.
2. Slide the tube through the sleeve then push the tube over the nut head until the end.
3. Lock the nut tightly to the sleeve using a clockwise rotation.

OPEN

CLOSE

Digital RGB PIN on ❶ motherboard **or** ❷ other equipment.

❶

❷

motherboard

DRGB Multi Function Controller

2 Install the fans and reservoir on the radiator

M4x6 Screw

M4x10 Screw

M4 Nut

M4x30 Screw

Install the CPU

Apply block over Intel CPU

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

80
75
72
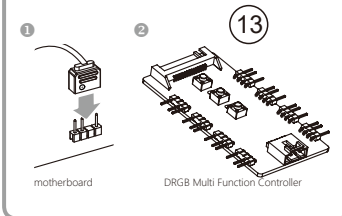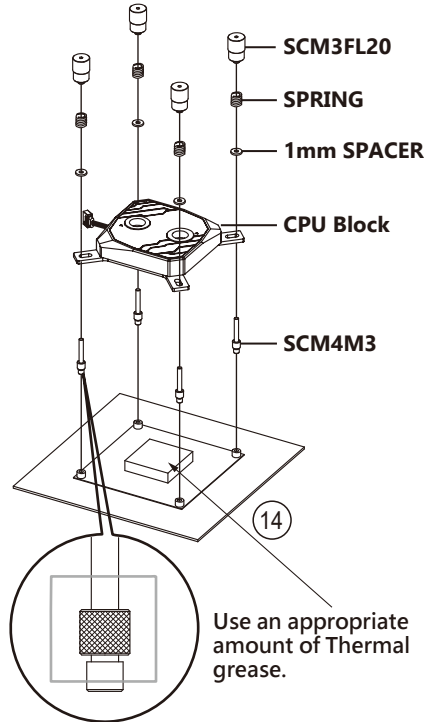
INTEL LGA 775
INTEL LGA 115X
INTEL LGA 1366
INTEL LGA 2011
INTEL LGA 2011-V3
INTEL LGA 2066

IN
OUT
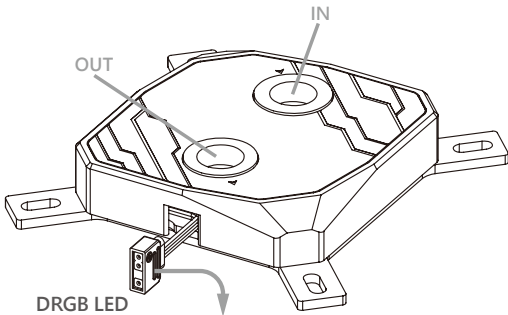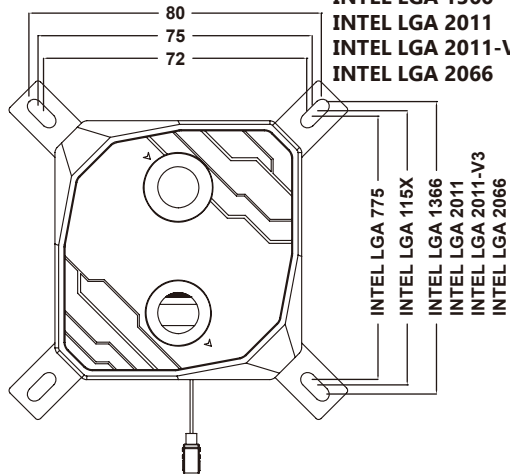
DRGB LED

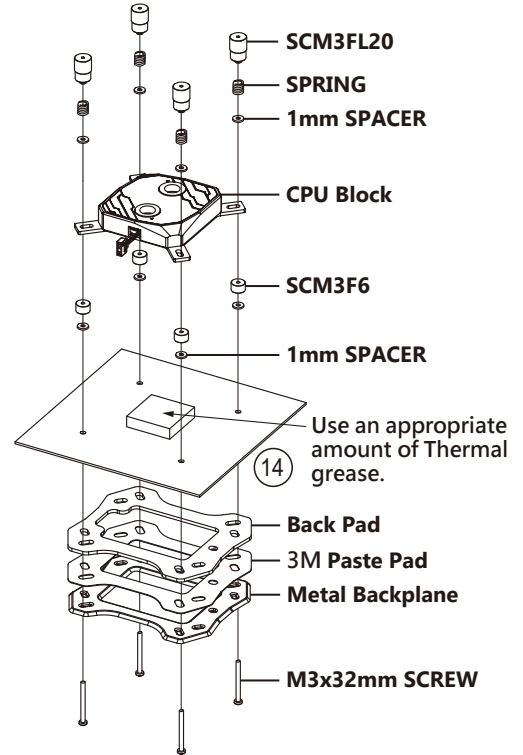Digital RGB PIN on ❶motherboard **or** ❷other equipment.

❶   ❷   (13)

motherboard   DRGB Multi Function Controller

Installation 1

Please closely follow this diagram for installation.

SCM3FL20
SPRING
1mm SPACER
CPU Block
SCM4M3

(14)

Use an appropriate amount of Thermal grease.

Installation 2

Please closely follow this diagram for installation.

SCM3FL20
SPRING
1mm SPACER
CPU Block
SCM3F6
1mm SPACER

Use an appropriate amount of Thermal grease.

(14)

Back Pad
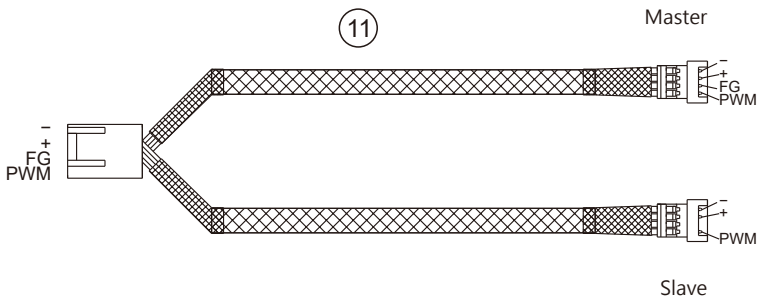3M **Paste Pad**
Metal Backplane

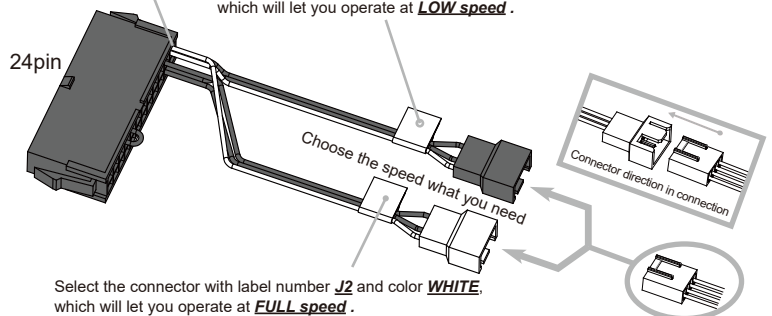**M3x32mm SCREW**

4 Wire

Connect the Addressable RGB（+5V）Light

(10)

+5V D GND

BP-PSC-SOC

Select the connector with label number *J1* and color *BLACK*, which will let you operate at *LOW speed* .

24pin

Choose the speed what you need

Connector direction in connection

Select the connector with label number *J2* and color *WHITE*, which will let you operate at *FULL speed* .

(11)   Master

−
+
FG
PWM

FG
PWM

PWM

Slave

This connector can be on the...

FAN

PUMP
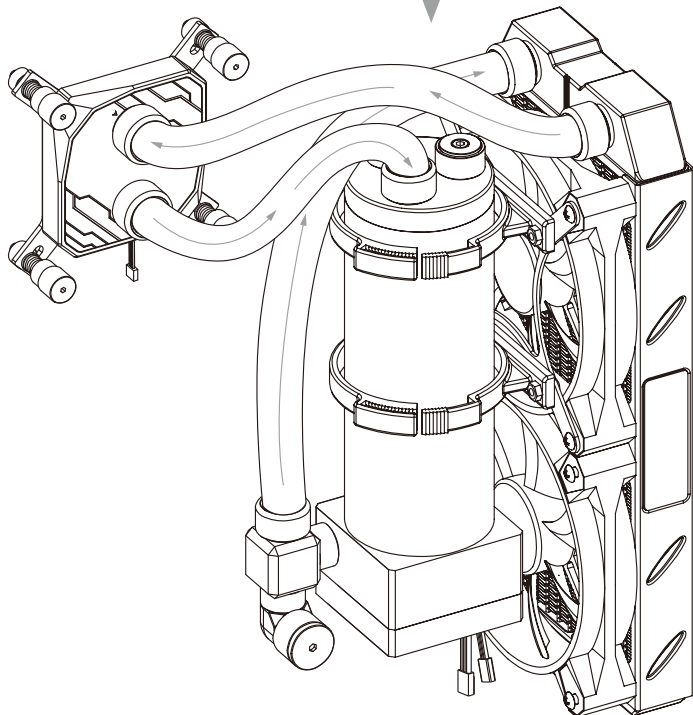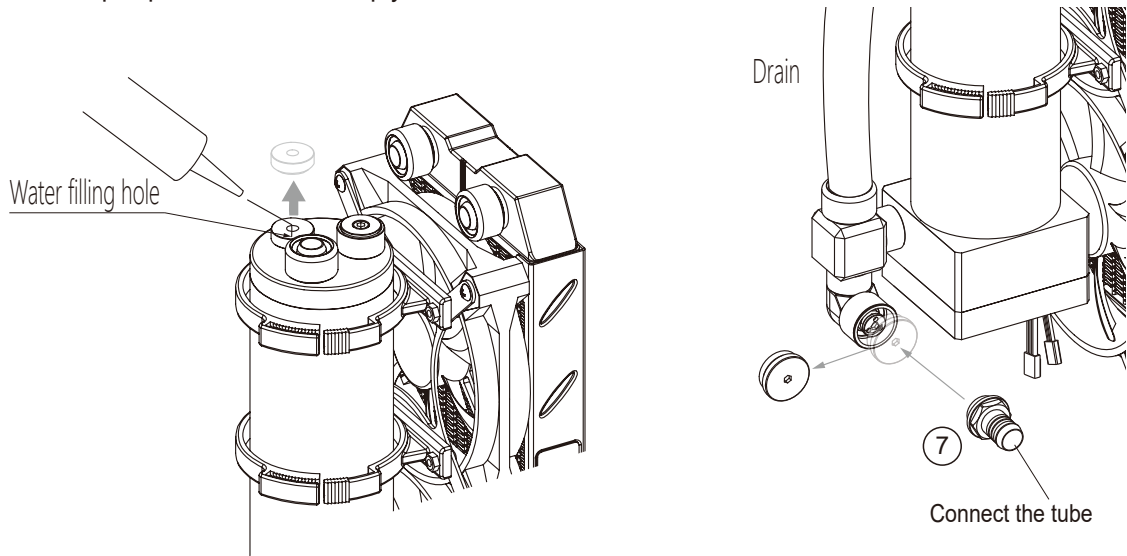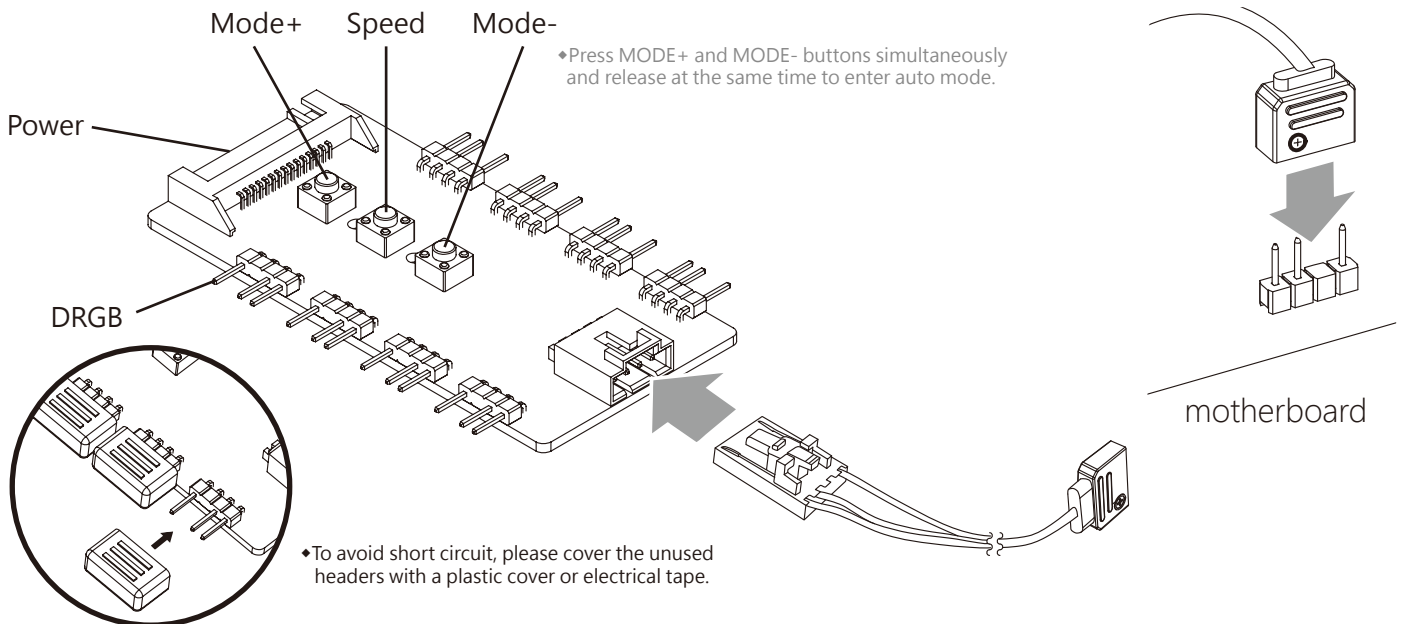
①

①
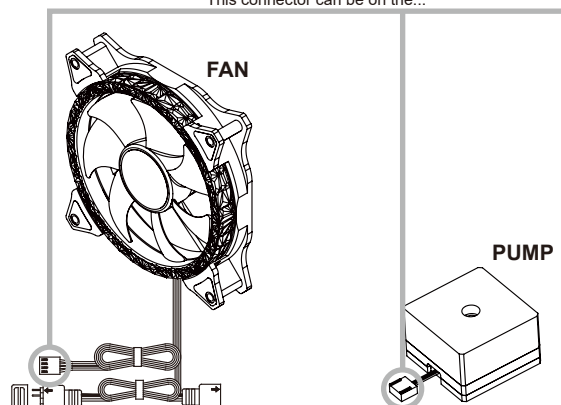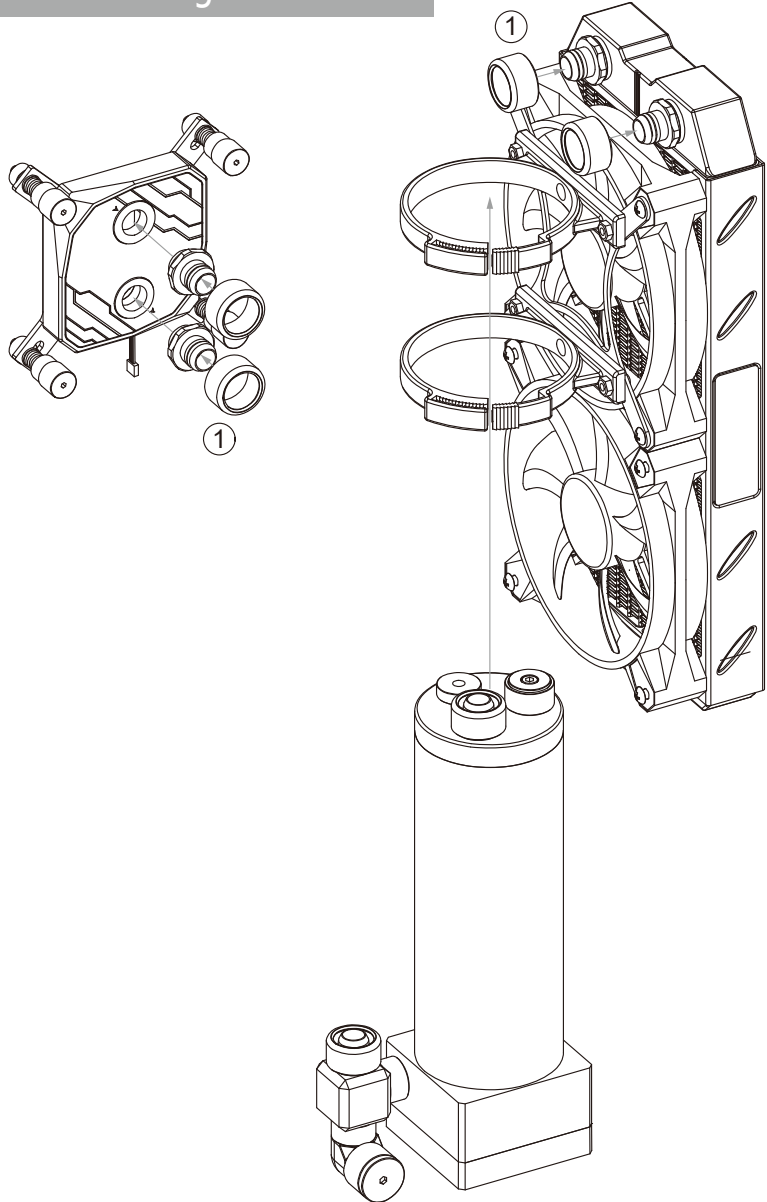
Optimum water route

6 Water

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

Water filling hole

Drain

⑦ Connect the tube

7 Digital RGB Multi Function Controller

Mode+   Speed   Mode-

◆ Press MODE+ and MODE- buttons simultaneously and release at the same time to enter auto mode.

Power

DRGB

motherboard

◆ To avoid short circuit, please cover the unused headers with a plastic cover or electrical tape.

The DRGB controller is used to expand the amount of DRGB header of the motherboard. The controller can expand one DRGB header into eight, and control multiple fans and LED strips compatible light effects controlled by the motherboard. In addition, the controller has its own lighting effects, which can be controlled by the buttons found on the controller.

ATTENTION:

1: The controller can't increase the power supply of the DRGB header from the motherboard. A standard DRGB header can provide 5Vx1A=5W of power. It is recommended that the combined length of the LED strip connected to the controller be shorter than 1 meter. If the DRGB header is overloaded, the brightness of the light will be reduced considerably. To restore the brightness, some items plugged to the controller must be removed.

2: Connection tip - Keep in mind that the arrow marks on the connector corresponds to 5V pin for the DRGB headers.

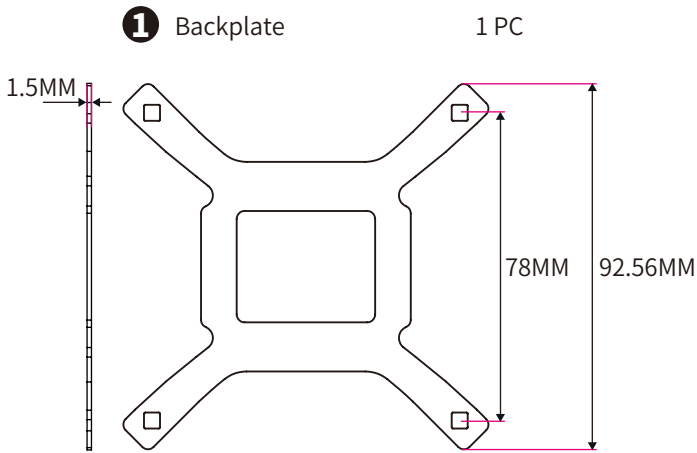3: When using the controller separately, please connect to a SATA port only.

Specifications:
Operating voltage: DC 5V input
Power: Less than 1W

For LGA 1700 Motherboard

BPTA-MKCPUMS-1700

Accessories

❶ Backplate   1 PC
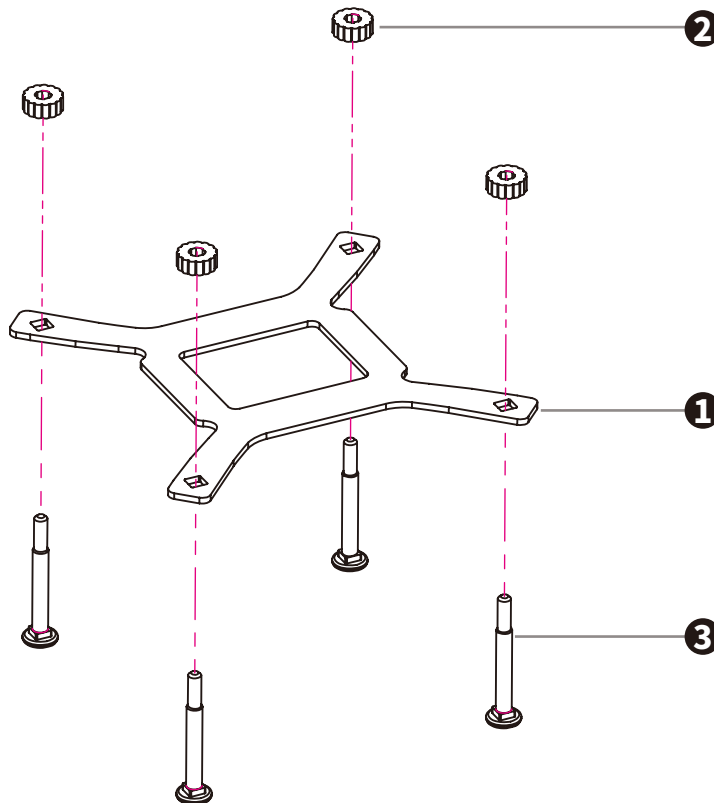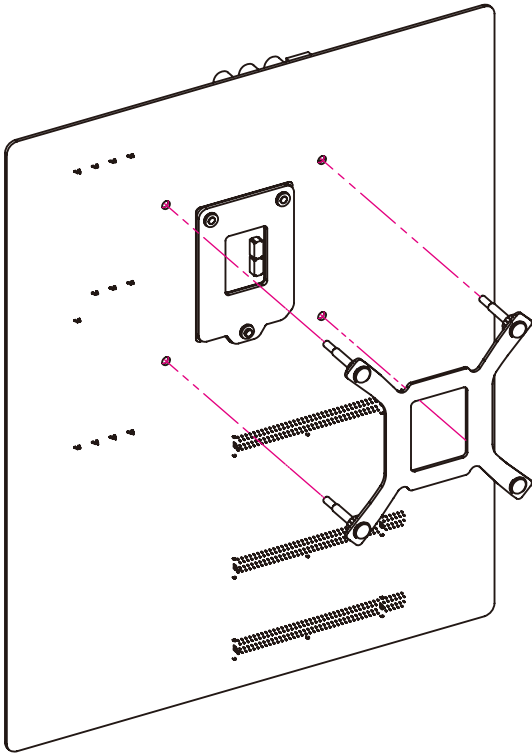
1.5MM

78MM   92.56MM

❷ Adjusting Nut   8 PCS

❸ Backplate Bolt   4 PCS

❹ Washer   4 PCS

step 1

❷

❶

❸

step 2

step 3

Thumb Screw

Spring

4

CPU Block

2

LGA 1700 Intel Motherboards
(Not included)