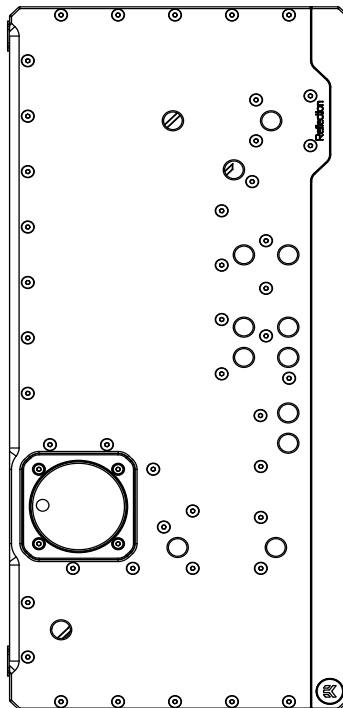


# EK-Quantum Reflection PC-011D XL D5 PWM D-RGB

DISTRIBUTION PLATE



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

**Please carefully read the manual before beginning with the installation process!**

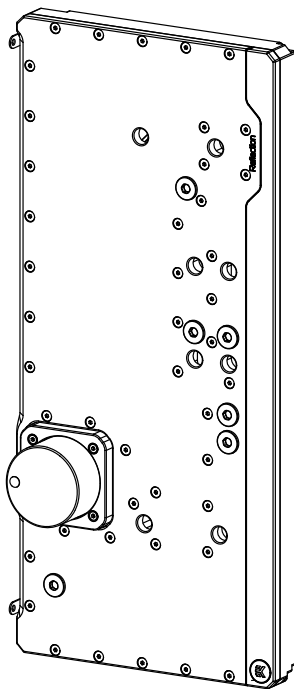
**The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.**

**The use of corrosion inhibiting coolants is always recommended for any liquid cooling system. EKWB recommends any of the EK Cryofuel for worry-free usage.**

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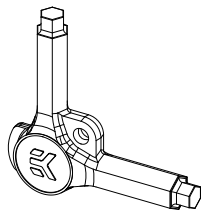
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## BOX CONTENTS

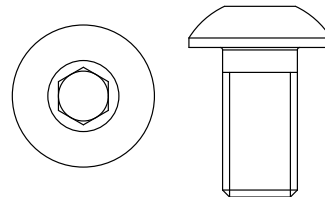


EK-Quantum Reflection PC-O11D XL  
D5 PWM D-RGB

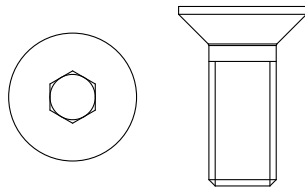
**Mounting Mechanism** – You may not need every screw from this package. EAN: 102558



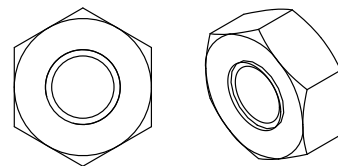
EK-Loop Multi Allen Key



M3x6 DIN7380 (2 pcs)



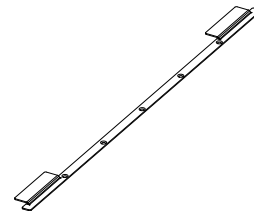
M3x8 DIN7991 (5 pcs)



M3 Nut (2 pcs)

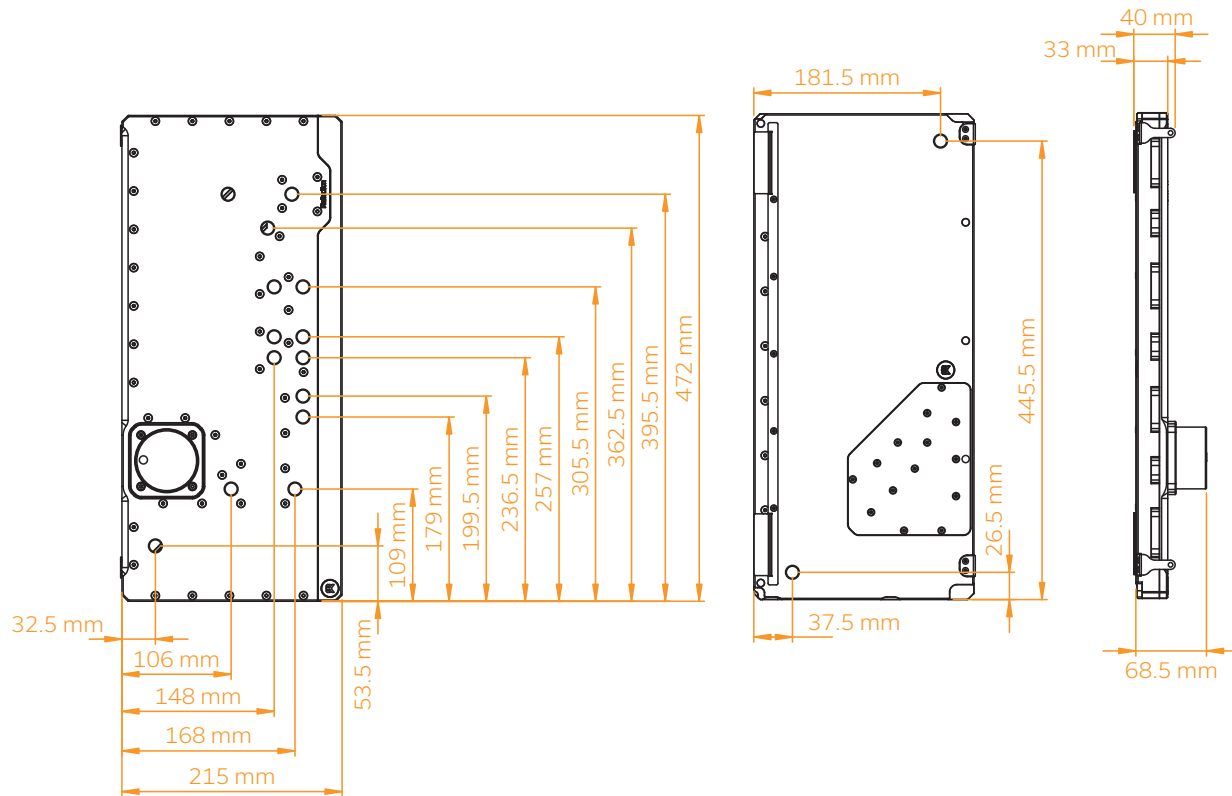


Allen Key 2mm (1 pc)

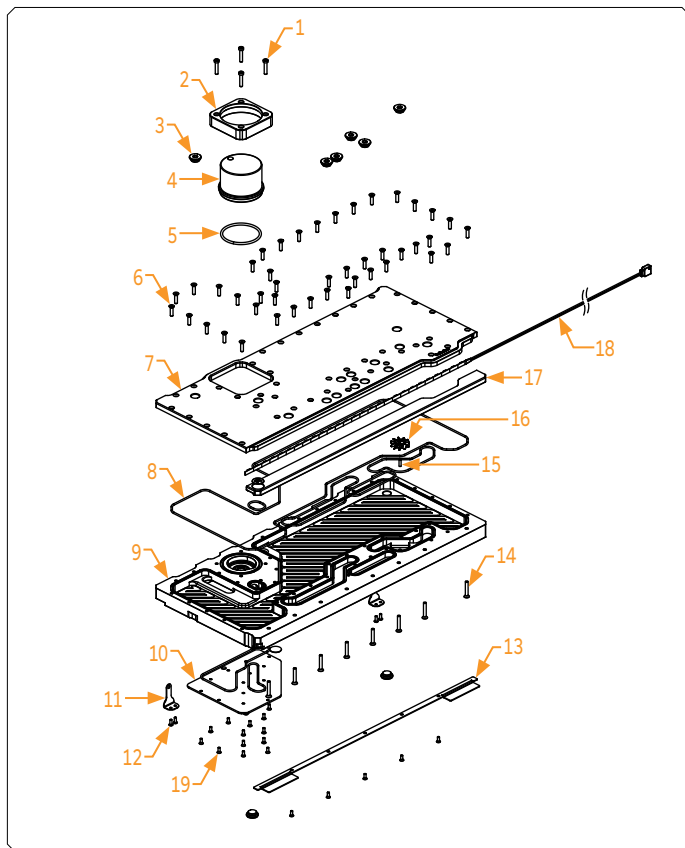


Front mounting Bracket (1 pc)

## DISTRIBUTION PLATE DIMENSIONS

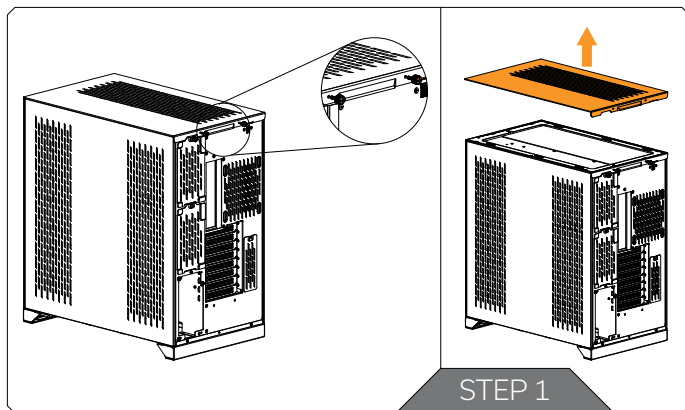


## TECHNICAL SPECIFICATIONS AND PRODUCT PARTS



Position	EAN	Description	Quantity
1	8311	M4 x 20 DIN7984 Screw	4
2	101803	Pump holder	1
3	100663	EK Badge	1
4	3831109837597	D5 Pump	1
5	5154	OR 52 x 3	1
6	8312	M4 x 16 DIN7991 Screw	44
7	102310	Top plexi	1
8	102303	OR Set	1
9	102309	Bottom plexi	1
10	102306	Metal plate	1
11	102307	Side metal holder	2
12	8002	M3 x 8 ISO 7380	4
13	102308	Back metal holder	1
14	9051	M4 x 25 DIN7991 Screw	8
15	8512	Impeller pin	1
16	102344	Impeller (Black)	1
17	103279	ALU led cover	1
18	102458	LED strip	1
19	8208	M3 x 8 DIN7991	14

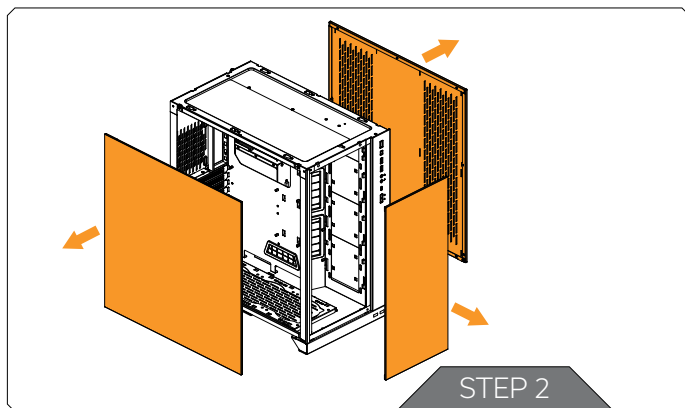
## PREPARING THE 011D XL CHASSIS



**Before installing the distribution plate, carefully read the PC case manual.**

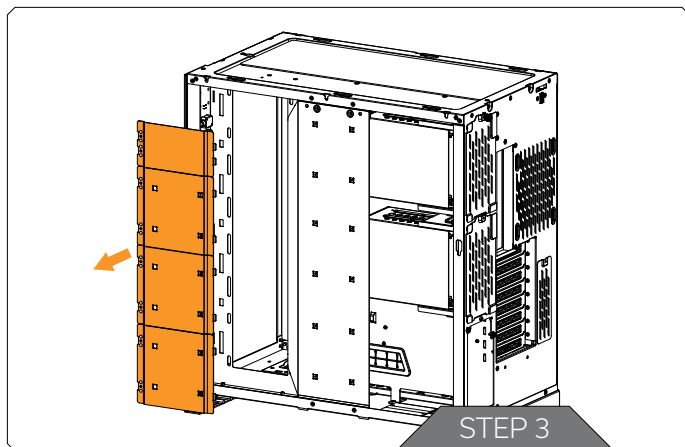
### STEP 1

Unscrew the factory provided screws and remove the top panel from the case.



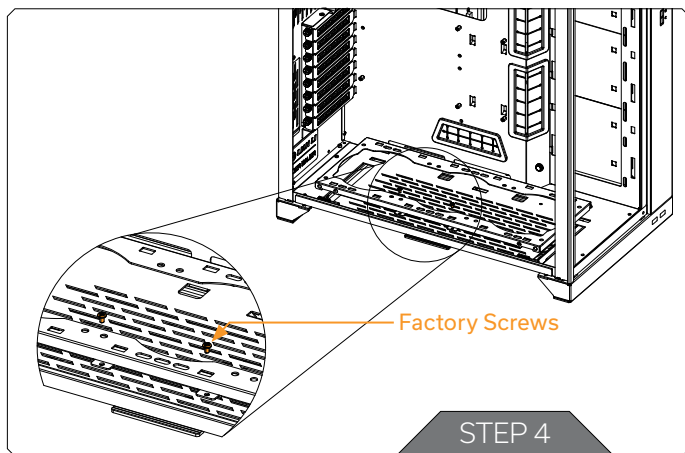
### STEP 2

Remove both side panels and the front panel from the case.



### STEP 3

The SSD Trays also need to be removed from the back side of the chassis. Once the distribution plate is secured they can be reinstalled as required.



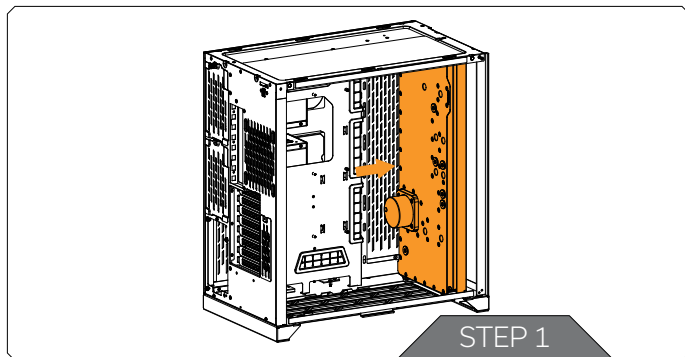
### STEP 4

For easier installation of the distribution plate, you should remove the Fan/SSD Tray from the bottom of the case.

Unscrew the 2(two) marked factory screws and remove the Fan/SSD Tray. After securing the distribution plate, it can be reinstalled with the bottom radiator and fans.

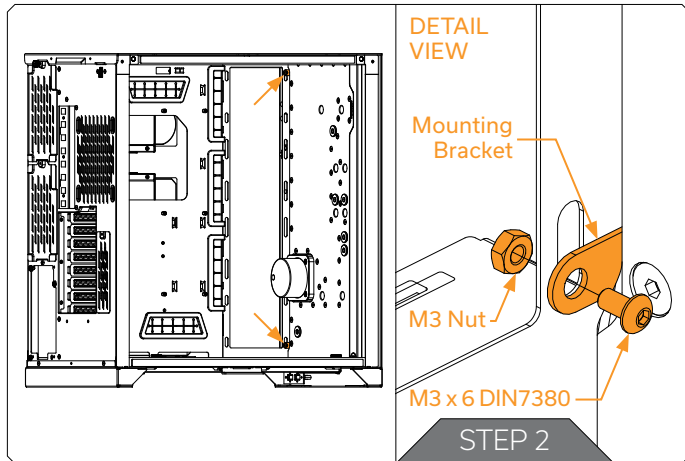


## INSTALLING THE DISTRIBUTION PLATE IN THE 011D XL



### STEP 1

Carefully place the EK-Quantum Reflection PC-O11D XL D5 PWM D-RGB distribution plate into the PC case and align the mounting holes at the back.

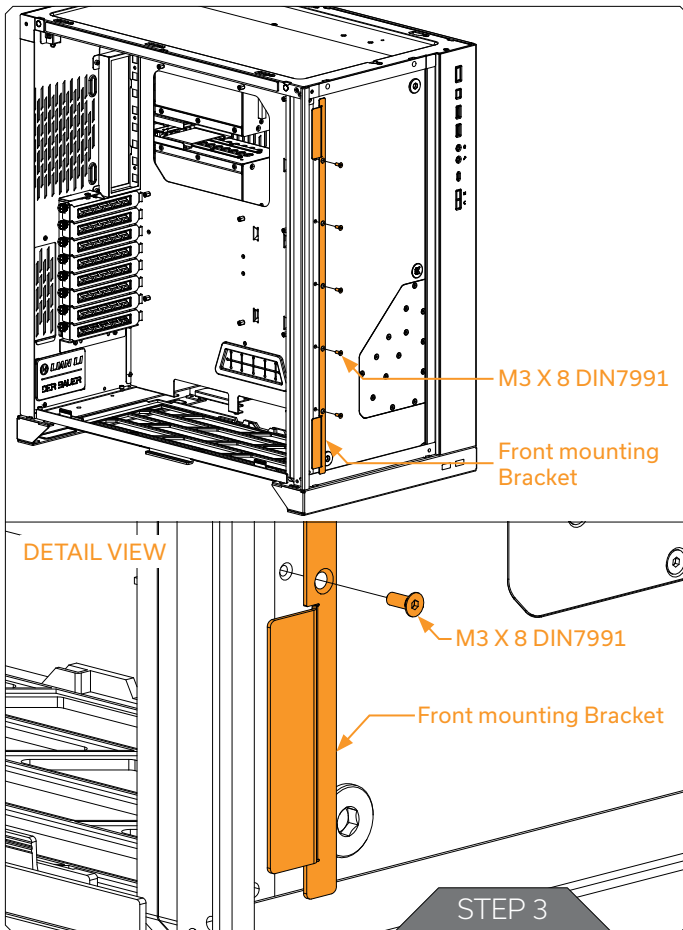


### STEP 2

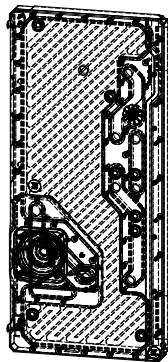
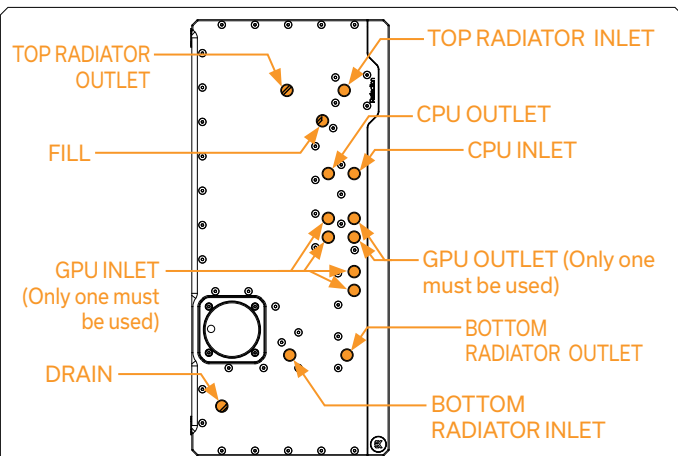
Secure the distribution plate to the chassis with two (2) M3 x 6 DIN7380 and M3 nuts (as shown in the diagram).

### STEP 3

Position the front mounting bracket onto the distribution plate and secure it with five(5) M3 X 8 DIN7991 mounting screws.



## RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS



To complete your loop, all ports must be used as marked in the image.

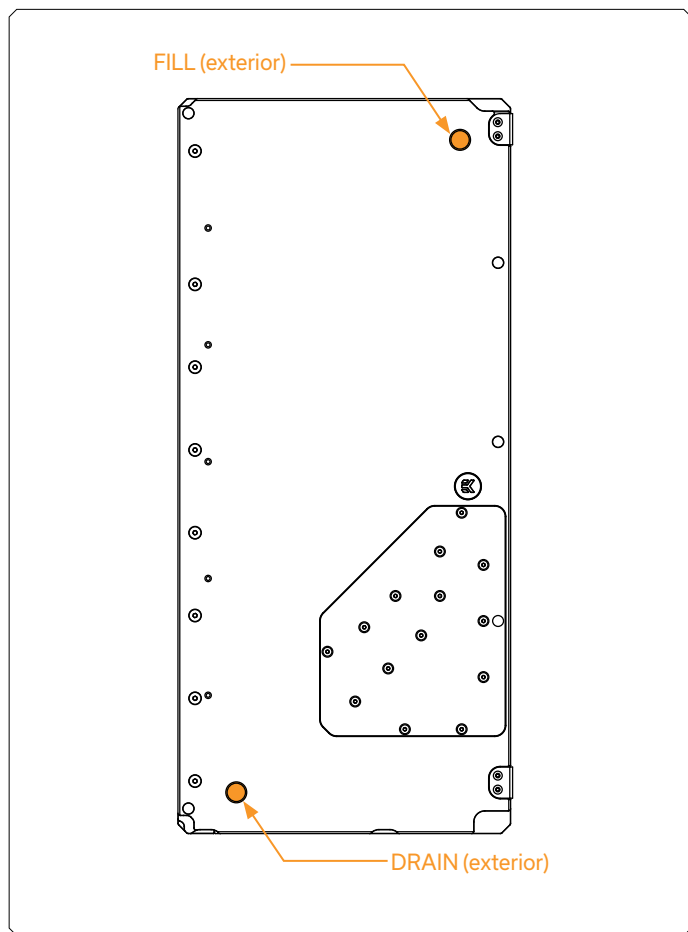
All remaining unused ports must be closed with supplied plugs, using the EK-Loop Multi Allen Key (6, 8, 9 mm).



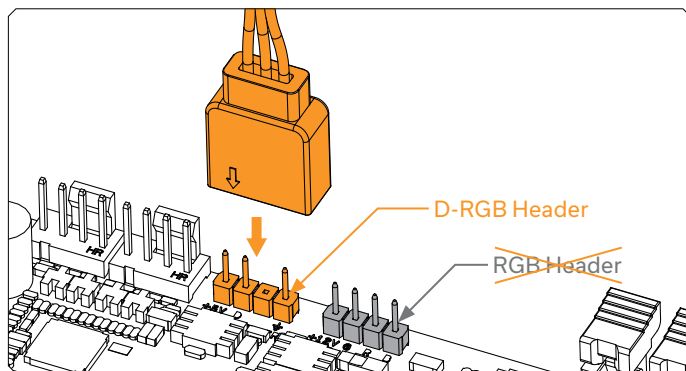
Only one INLET and one OUTLET port for the GPU connection can be used, while all other INLET and OUTLET GPU ports must be closed with G1/4 plugs (enclosed in the package).



If one of the prescribed components will not be installed (ie. bottom radiator or GPU block) then one INLET and one OUTLET port must still be joined together in order for this distribution plate to function!

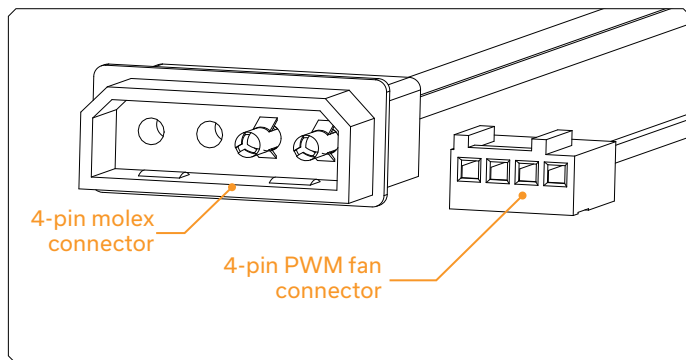


## CONNECTING THE D-RGB LED STRIP



Plug the 3-pin connector of the distribution plate D-RGB LED light to the D-RGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: **+5V, Digital, Empty, Ground.**

## CONNECTING THE PUMP



### CONNECTING THE PUMP – MOLEX CONNECTOR

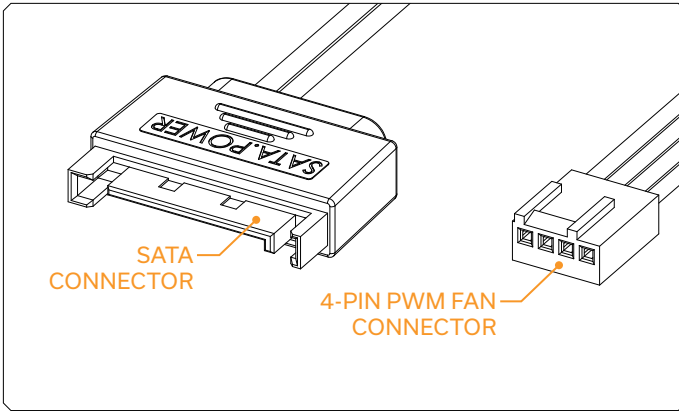
The EK-D5 PWM pump has two connectors.

- 1. MOLEX Connector:** It must be connected directly to your PSU at all times as it is used to power the pump.
- 2. 4-pin PWM fan:** It can be connected to your motherboard's CPU\_Fan or designated water pump header. It can also be connected to a controller. This cable is used to control and report the rotational speed of the pump. If it's not connected, the pump will run at maximum speed (100% PWM).

## CONNECTING THE PUMP – SATA CONNECTOR

The EK-D5 PWM pump has two connectors.

- 1. SATA Connector:** It must be connected directly to your PSU at all times as it is used to power the pump.
- 2. 4-pin PWM fan:** It can be connected to your motherboard's CPU\_Fan or designated water pump header. It can also be connected to a controller. This cable is used to control and report the rotational speed of the pump. If it's not connected, the pump will run at maximum speed (100% PWM).



## TESTING THE LOOP

To make sure the installation of EK components was successful, we recommend you perform a leak test for 24 hours.

When your loop is complete and filled with coolant, connect the pump to a PSU outside of your system. Do not connect power to any of the other components. Turn on the PSU and let the pump run continuously. It is normal for the coolant level to drop during this process as air collects in the distribution plate.

Inspect all parts of the loop, and in the eventuality that coolant leaks, fix the issue and repeat the testing process. Ensure that all hardware is dry before the system is powered on in order to prevent any damage.

## SUPPORT AND SERVICE

In case you need assistance or wish to order spare parts or a new mounting mechanism, please contact:


**<https://www.ekwb.com/customer-support/>**

For spare parts orders, refer to the page with "TECHNICAL SPECIFICATIONS AND PRODUCT PARTS" where you can find the EAN number of each part you might need.


Include the EAN number with quantity in your request. Mounting Mechanism EAN can be found under "BOX CONTENTS"

Thermal pads are readily available in the EK shop


## SOCIAL MEDIA

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