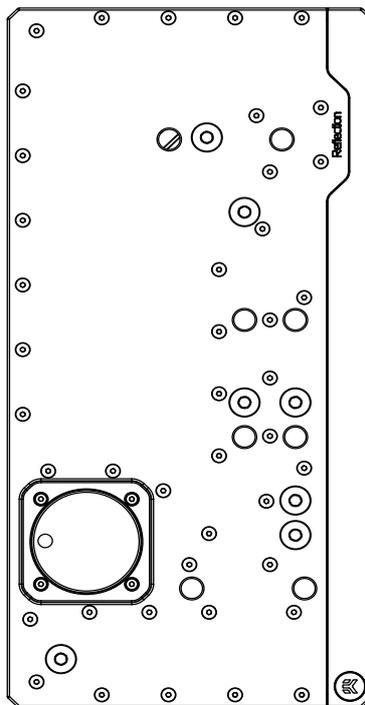


# EK-Quantum Reflection PC-011D D5 PWM D-RGB

DISTRIBUTION PLATE



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

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

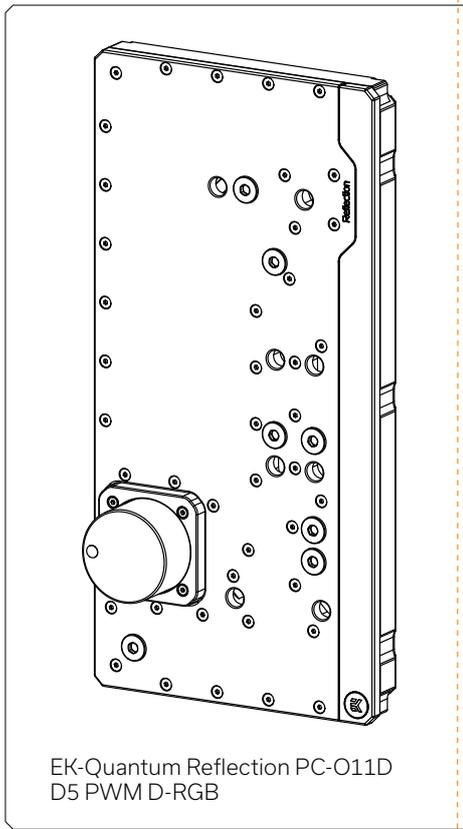
**The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.**

**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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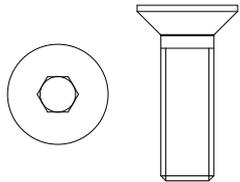
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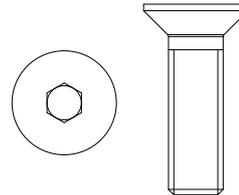


EK-Quantum Reflection PC-O11D  
D5 PWM D-RGB

**Mounting Mechanism** – You may not need every screw from this package. EAN: 102559



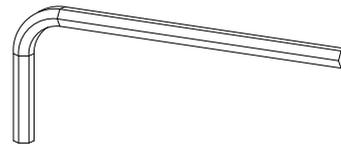
M3 x 11 7991DIN (2 pcs)



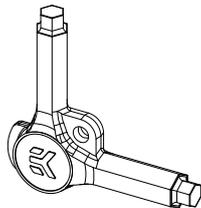
M4 x 14 7991DIN (3 pcs)



Allen Key 2.5 mm (1 pc)

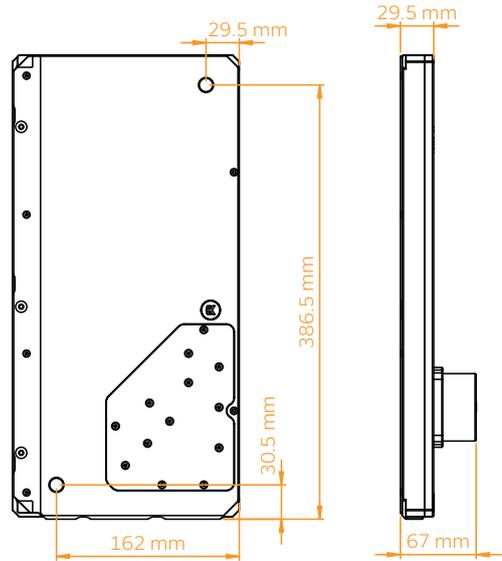
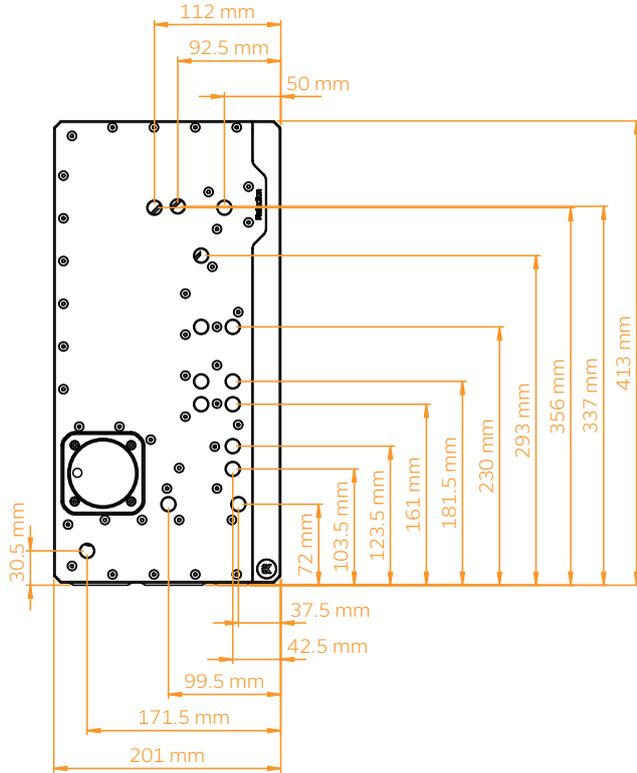


Allen Key 2 mm (1 pc)

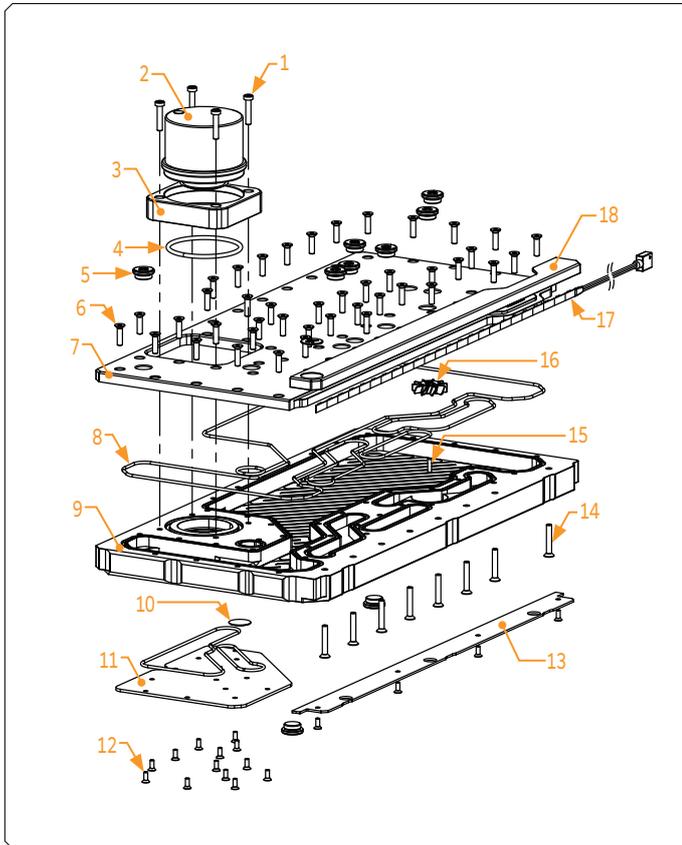


EK-Loop Multi Allen Key

# DISTRIBUTION PLATE DIMENSIONS

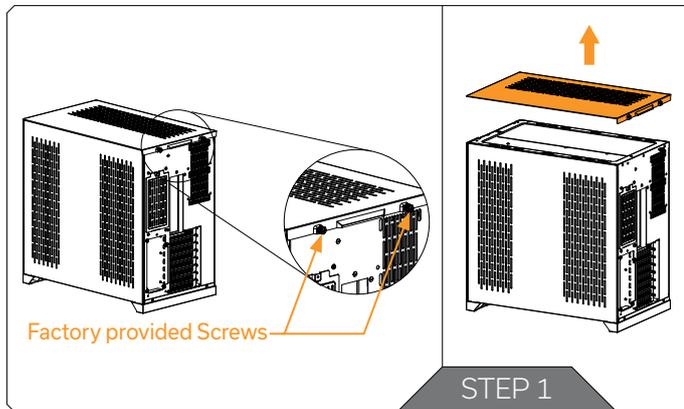


## TECHNICAL SPECIFICATIONS AND PRODUCT PARTS



Position	EAN	Description	Quantity
1	8311	M4 x 20 DIN7984 Screw	4
2	3831109837597	D5 Pump	1
3	101803	Pump holder	1
4	5154	OR 52 x 3	1
5	102639	EK - Plug G1/4	9
6	8312	M4 x 16 DIN7991	42
7	102406	Top plexi plate	1
8	102412	OR Set	1
9	102405	Bottom plexi plate	1
10	100663	EK Badge	2
11	102409	Metal backplate	1
12	8208	M3 x 8 DIN7991	17
13	102411	Metal backplate cover	1
14	9051	M4 x 25 DIN7991	8
15	8512	Impeller pin	1
16	102344	Impeller (Black)	1
17	100815	LED Strip	1
18	103278	LED strip cover	1

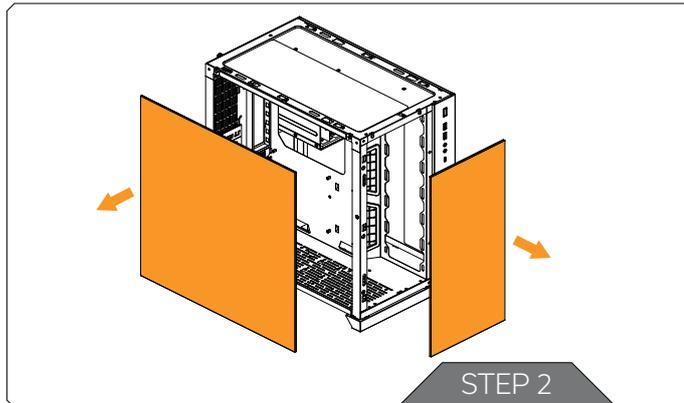
## PREPARING THE 011D CHASSIS



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

### STEP 1

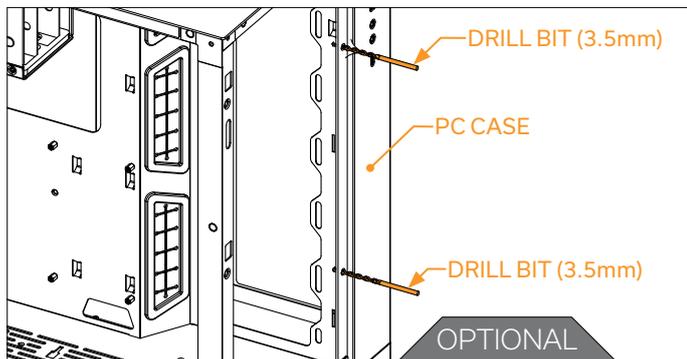
Unscrew the factory provided screws and remove the top panel from the case.



### STEP 2

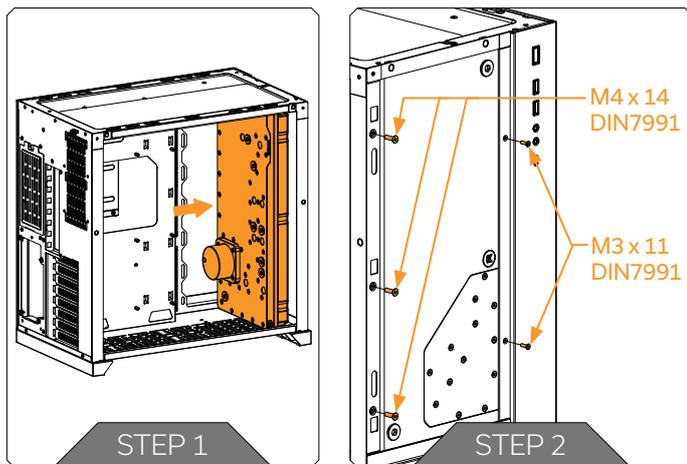
Remove side and the front panel from the case.

## INSTALLING THE DISTRIBUTION PLATE IN THE 011D



### OPTIONAL STEP

Before installing any components, drill out the original rivets using a 3.5mm drill bit.



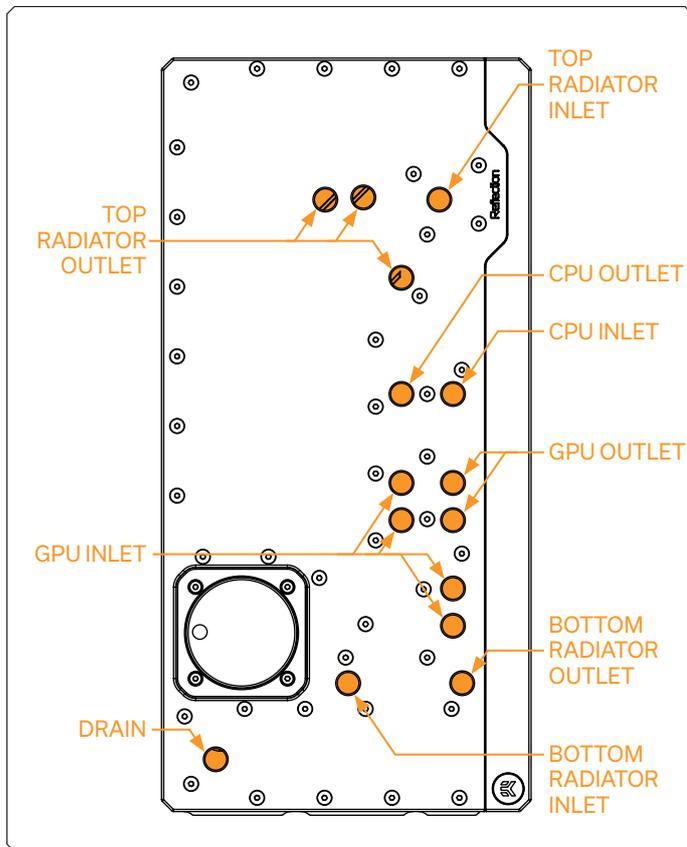
### STEP 1

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

### STEP 2

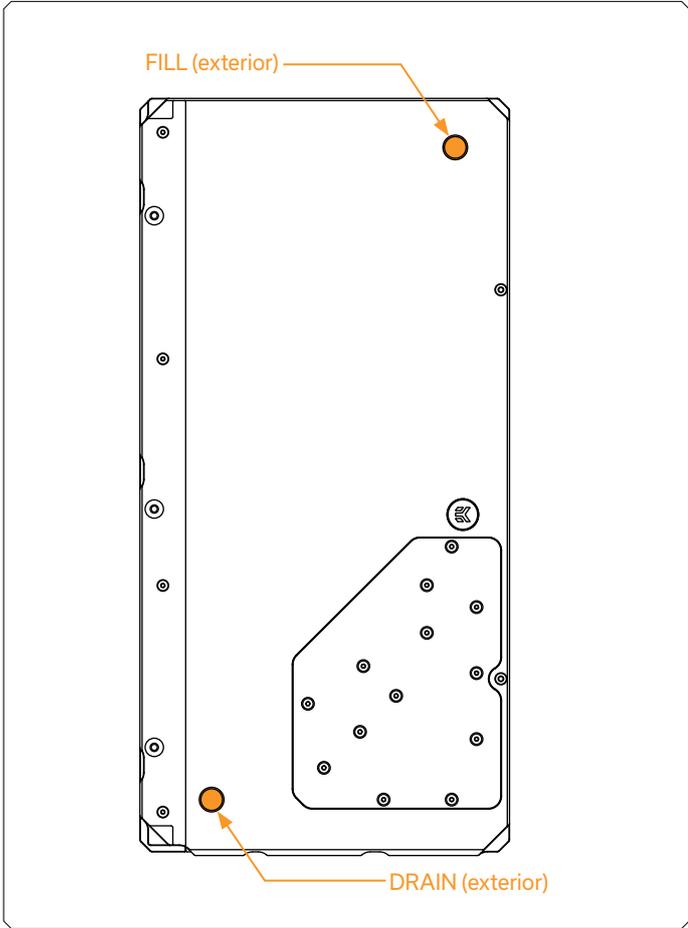
Secure the distribution plate to the chassis with three (3) M4 x 14 DIN7991 and two (2) M3 x 11 DIN7991 screws (as shown in the diagram).

## RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS

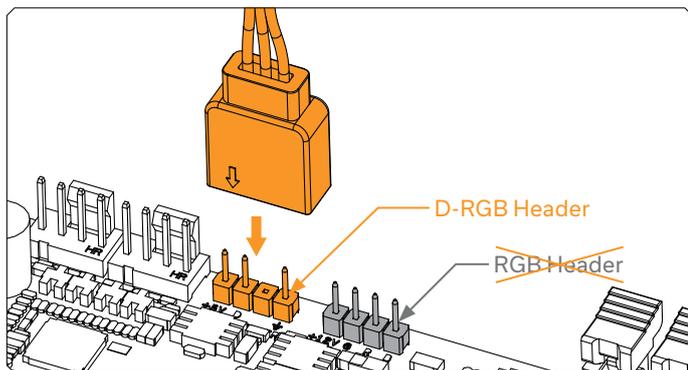


It is mandatory to use at least one of each type of port and all remaining ports should be sealed using the supplied plugs. The EK-Loop Multi Allen Key (6mm, 8mm, 9mm) may be used to install all EK fittings, do not use excessive force.

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

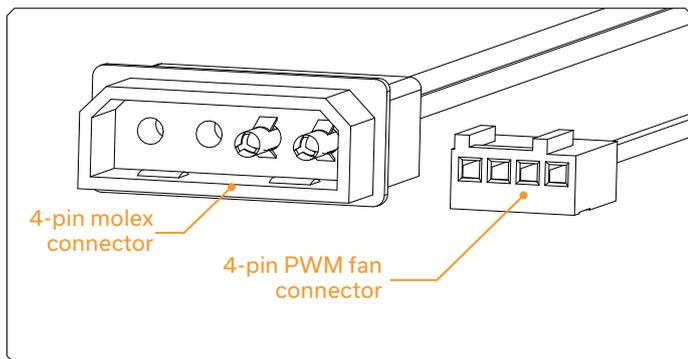


## CONNECTING THE D-RGB LED STRIP



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

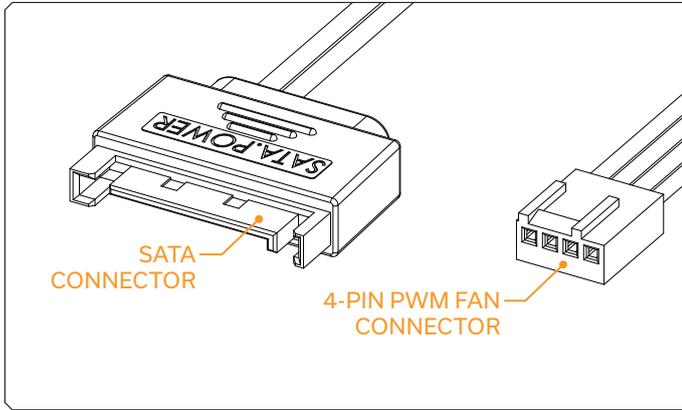
The EK-D5 PWM pump has two connectors.

- 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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