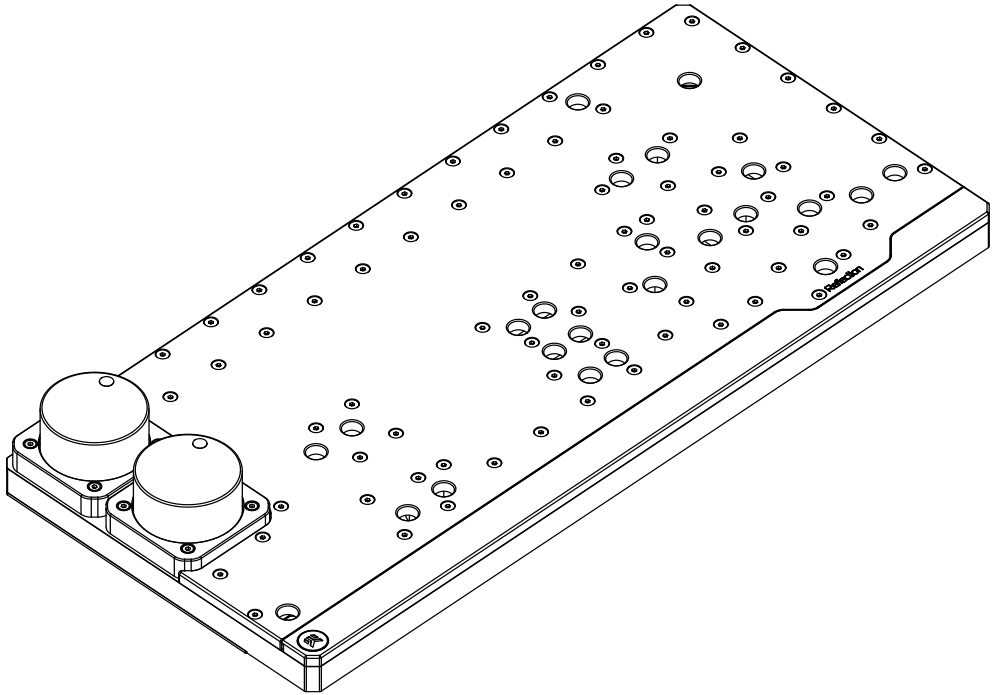
# EK-Quantum Reflection 1000D

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 EKCryofuel for worry-free usage.**

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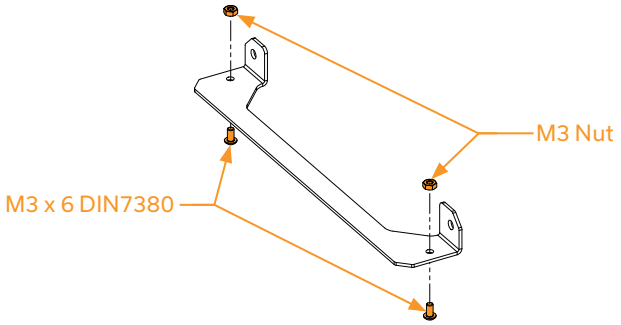
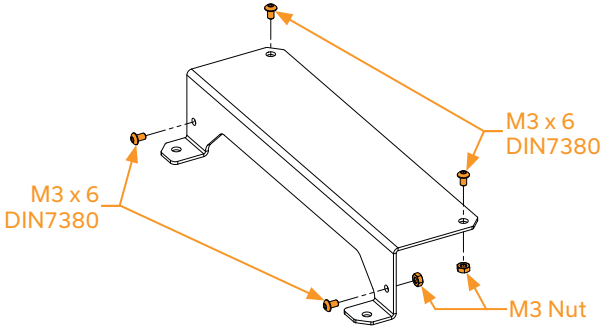
# ATTACHING MOUNTING BRACKETS

**LOWER MOUNTING BRACKET**

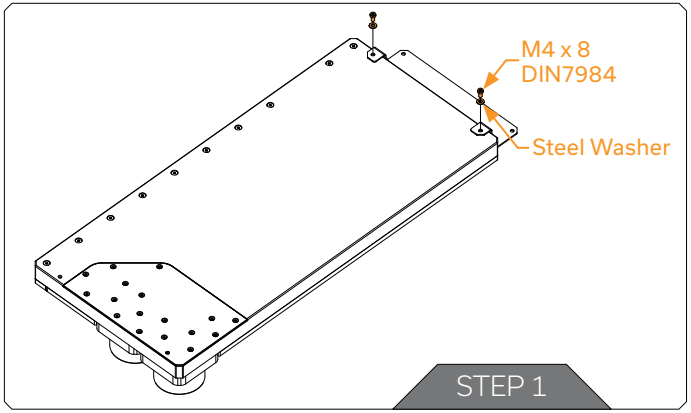



**UPPER MOUNTING BRACKET**

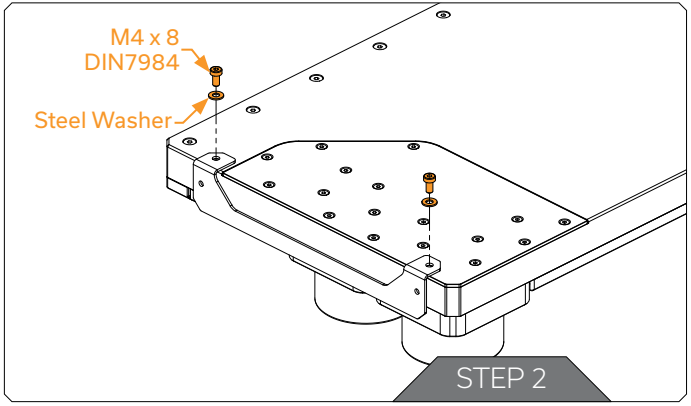



Attach the mounting brackets on PC case using M3 X 6 DIN7380 Screws and M3 nuts.

# ATTACHING THE DISTRIBUTION PLATE ON THE MOUNTING BRACKETS

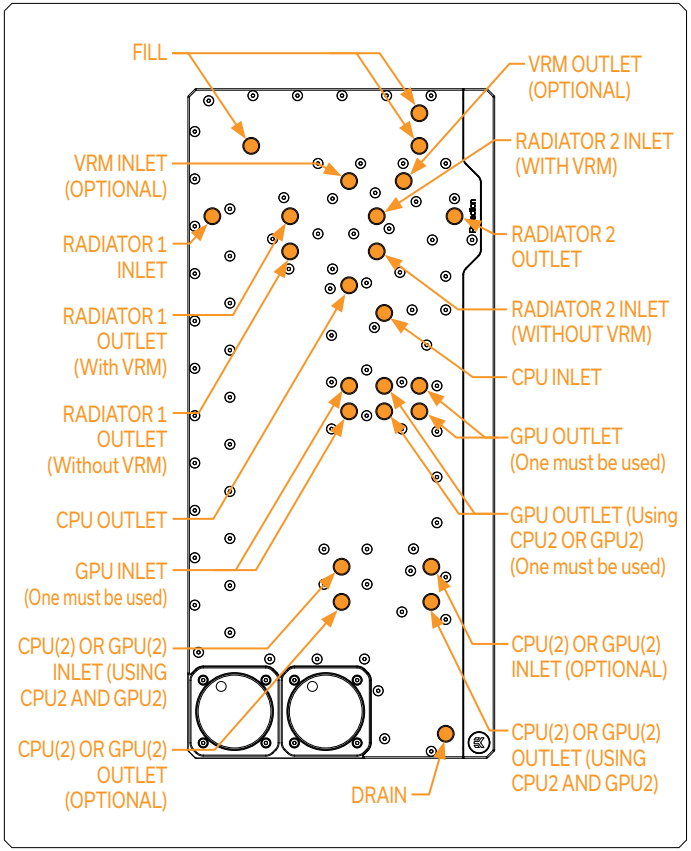



**STEP 1**
**UPPER MOUNTING BRACKET**
Carefully place the EK-Quantum Reflection 1000D distribution plate on the Upper mounting bracket. Secure it with enclosed M4 X 8 DIN7984 screws and steel washers.




**STEP 2**
**LOWER MOUNTING BRACKET**
Attach the EK-Quantum Reflection 1000D D5 distribution plate on the Lower mounting bracket and secure it with enclosed M4 X 8 7984DIN Screws and steel washers.

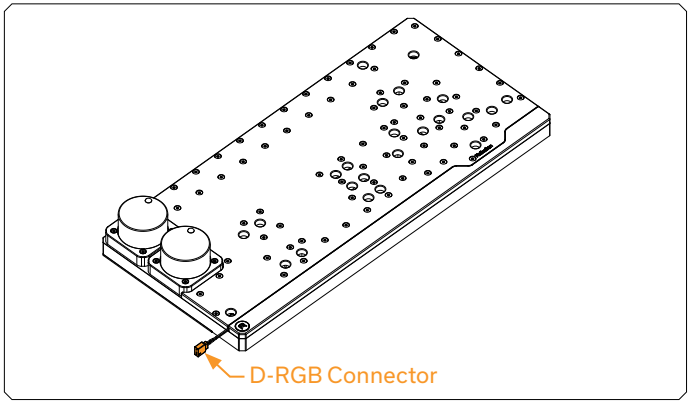
# RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS




In order to complete your loop, all of the ports should be used as marked on the diagrams.

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

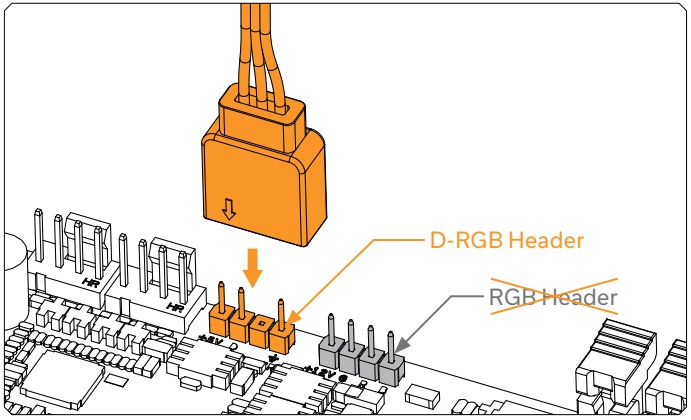
# CONNECTING THE D-RGB LED STRIP



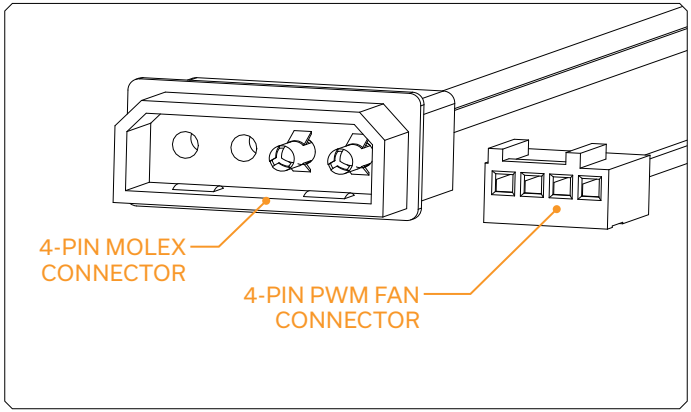

Plug the 3-pin connector of the distribution plate D-RGB LED light to the D-RGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: +5V, Digital, Empty, Ground.

Please ensure that the arrow indicated on the connector is plugged into the +5V line as indicated on your motherboard. If you put LED Diode to the 12V RGB HEADER you can damage the LEDs.

Connector is the same on D-RGB and RGB versions, but D-RGB version has 3 cables from connector to PCB; RGB version has 4 cables. If you connect D-RGB led to ordinary RGB header you can damage your motherboard or LED strip.



# CONNECTING THE PUMP

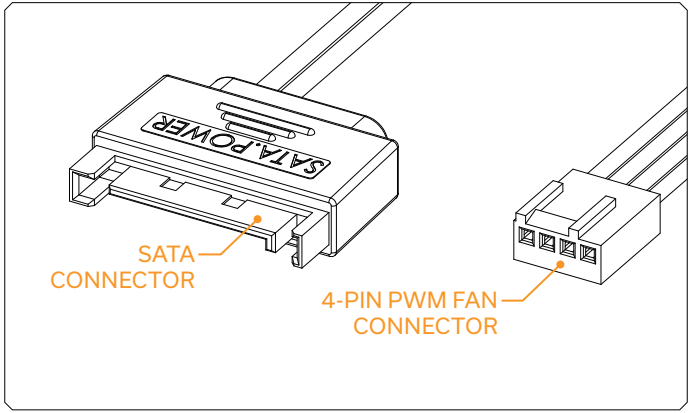



## CONNECTING THE PUMP – MOLEX CONNECTOR

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

For assistance please contact:
**http://support.ekwb.com/**

EKWB d.o.o.
Pod lipami 18
1218 Komenda
Slovenia - EU

## SOCIAL MEDIA

EKWaterBlocks

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