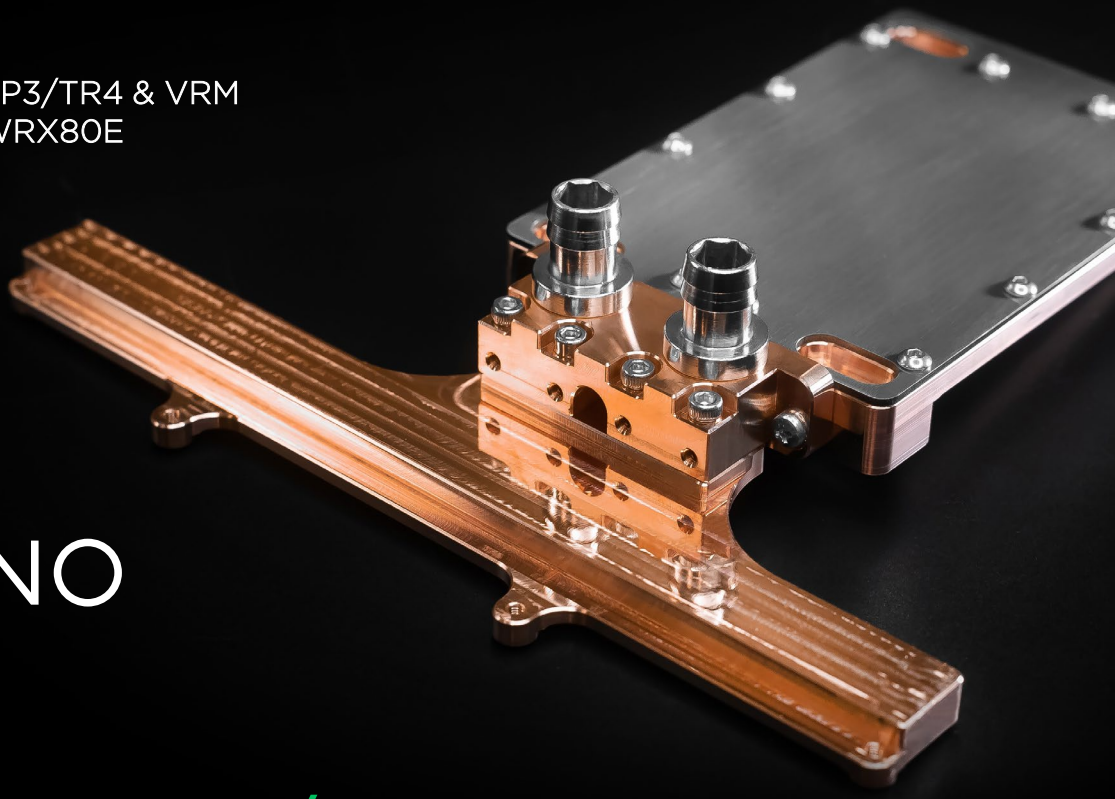
DATASHEET
CPU WATERBLOCK SP3/TR4 & VRM
FOR ASUS PRO WS WRX80E



COMINO

CPU WATERBLOCK SP3/TR4 & VRM FOR ASUS PRO WS WRX80E-SAGE SE WIFI

KEY ADVANTAGES

High quality liquid cooling of all the crucial CPU components, including VRM modules on the motherboard

Thermally-tested and quality assured

Patented and awarded deformational cutting technology

Customly designed for AMD SP3/TR4 sockets

X10

Heat dissipation increased up to 10 times as compared to the air-cooling

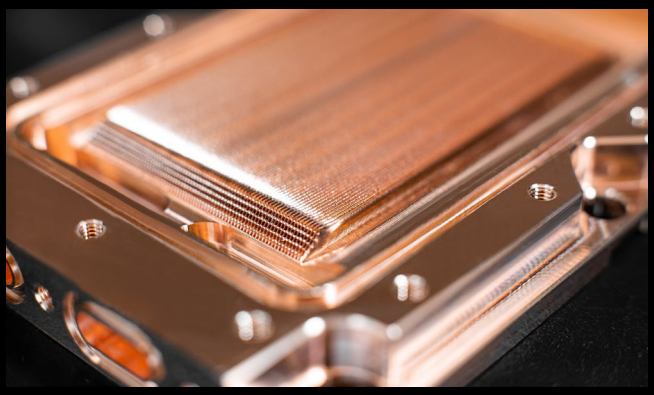
COMINO WATERBLOCKS TECHNOLOGY

The Comino liquid-cooling system is based on the patented deformational cutting technology that allows to transfer more heat from the source than you would normally expect with direct liquid cooling.

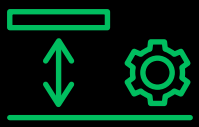
The deformational cutting allows to create a fin as thin as 0.1mm with 0.1mm channel and 3mm height on such materials as cooper, aluminum and their alloys, titanium, steel, plastics, etc. without any special expensive tooling.

Due to a large increase in the surface area (up to 12 times) heat is dissipated fast enough to keep GPU temperatures within a safe range even at 24/7 operation and prevent thermal throttling.

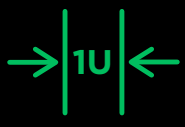
This advantage makes our water blocks cost-effective and extremely efficient.



Unique design for the CPU waterblocks with inter-changeable VRM cold-plates. Use the same CPU waterblock with different motherboards.



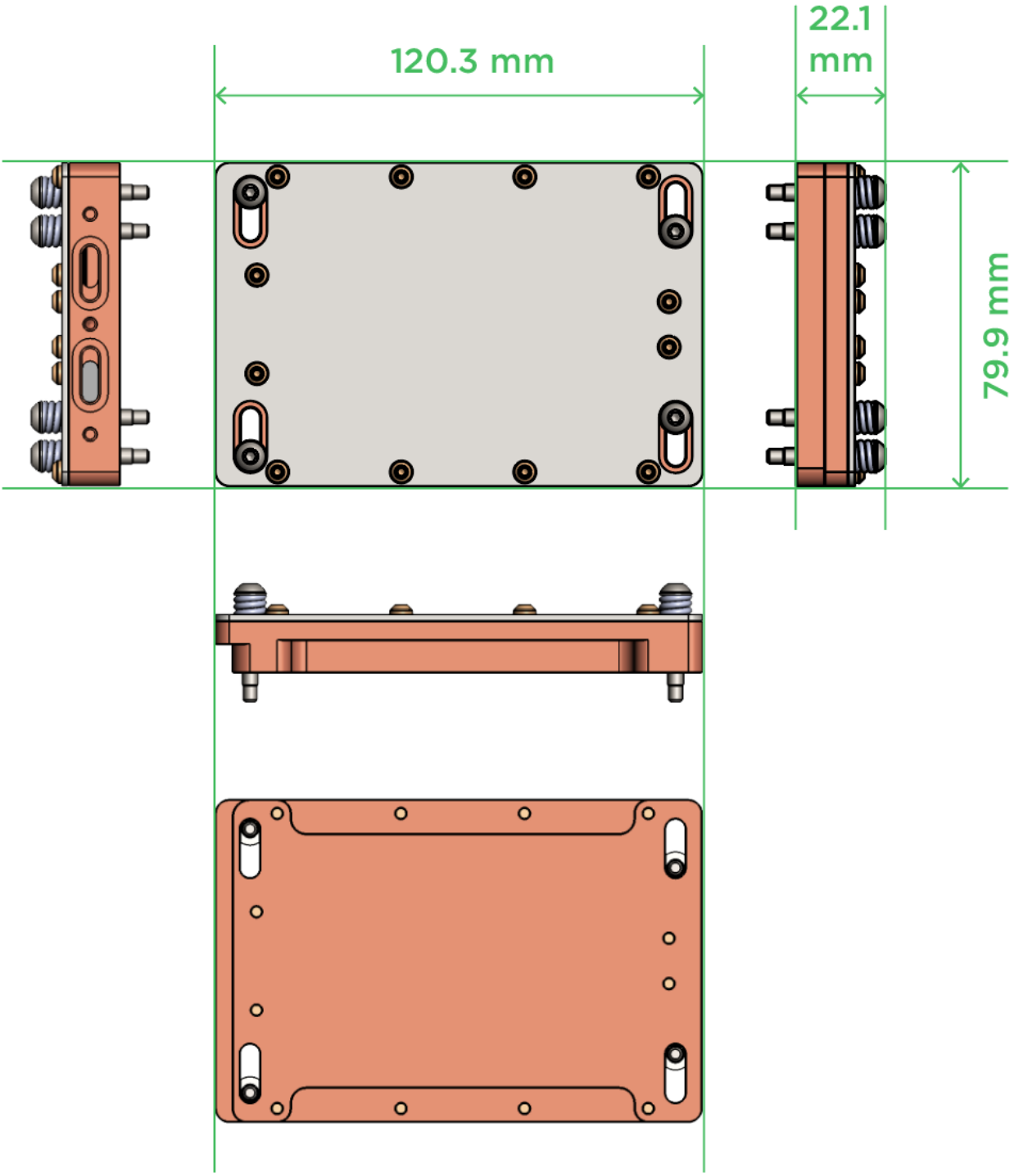
Level-varied VRM coldplates. Ultimate cooling for each and every CPU



Slim waterblocks design that can be used in 1U servers

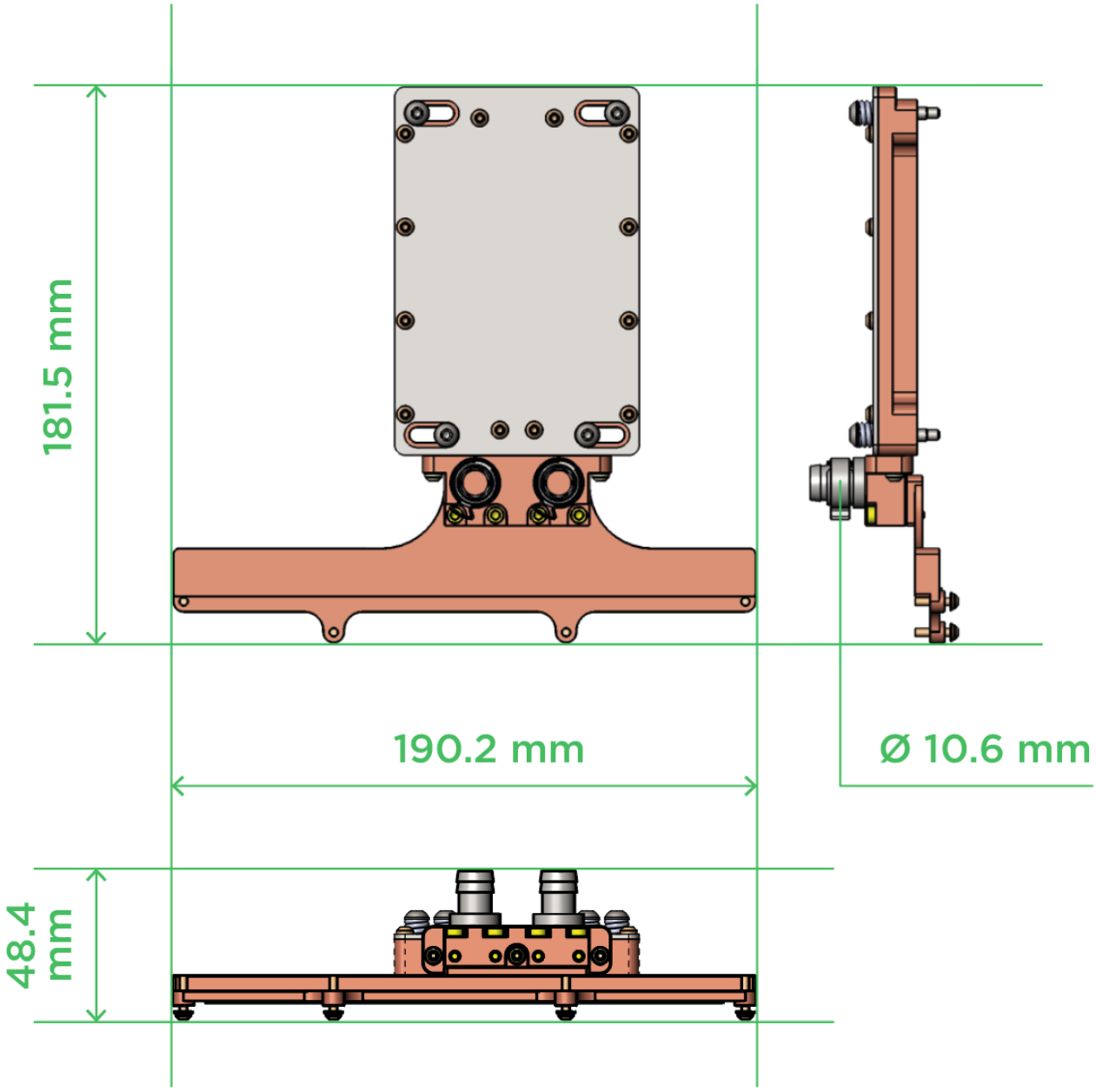
TECHNICAL SPECIFICATIONS

CPU WATERBLOCK SP3/TR4

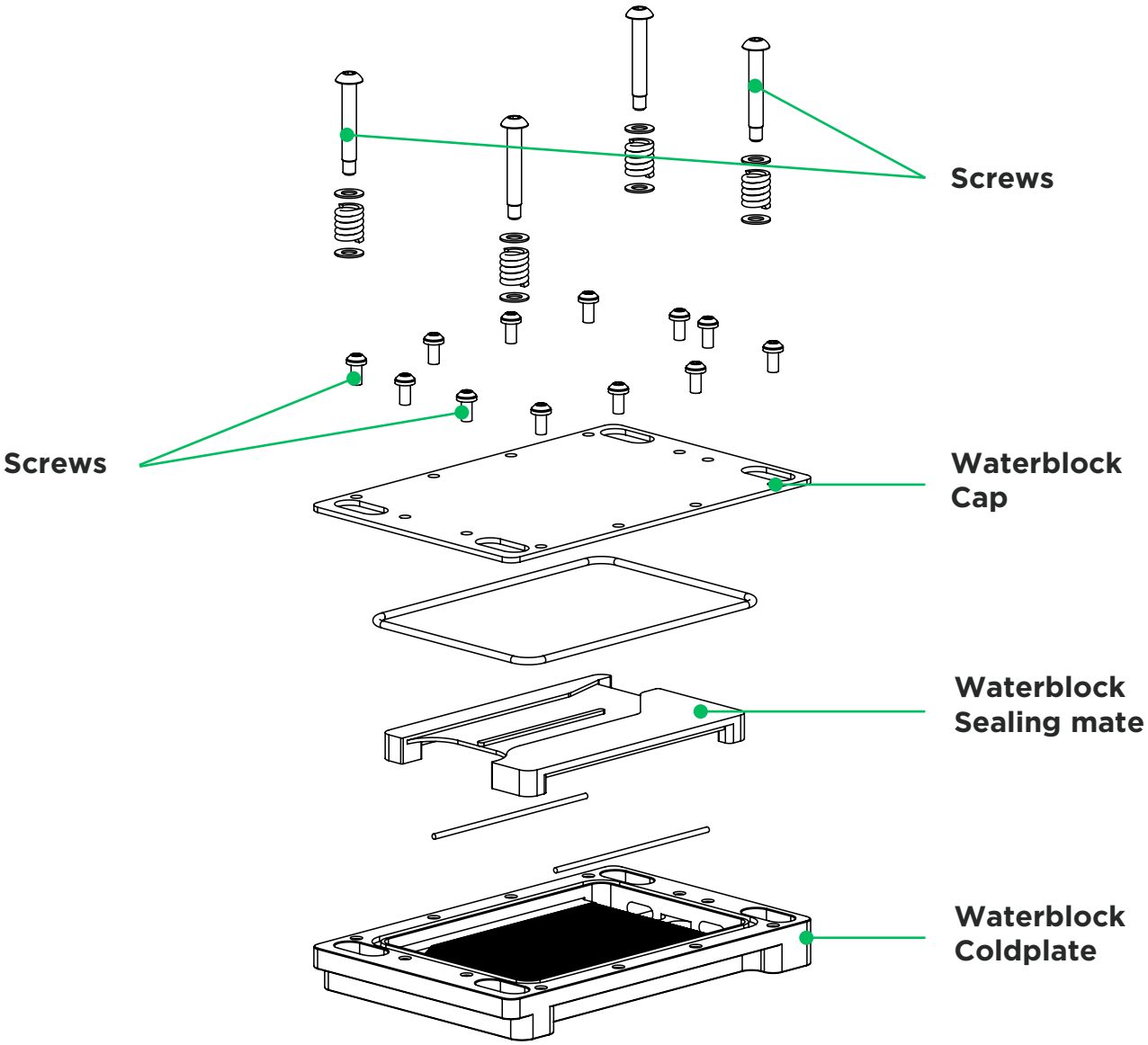


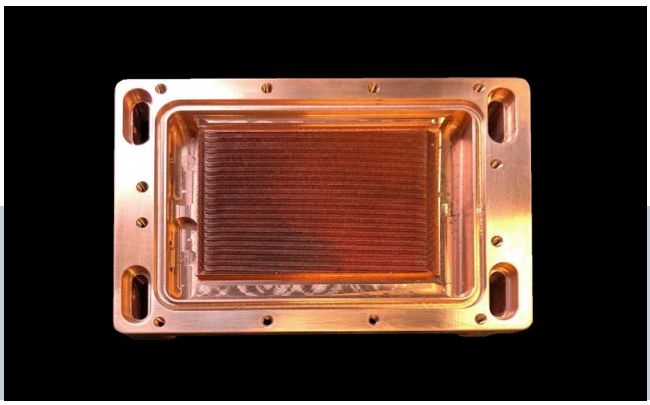
TECHNICAL SPECIFICATIONS

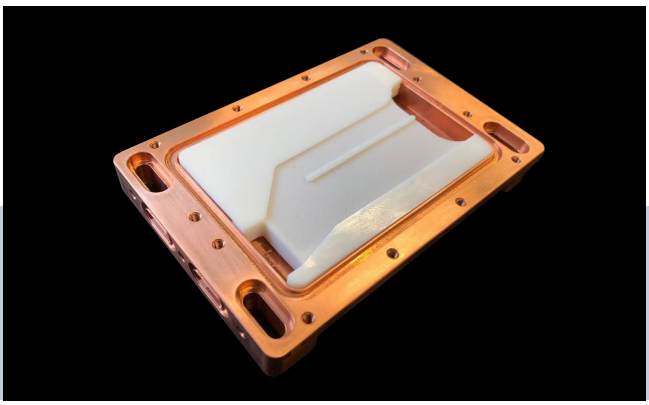
CPU WATERBLOCK SP3/TR4 & VRM FOR ASUS PRO WS WRX80E



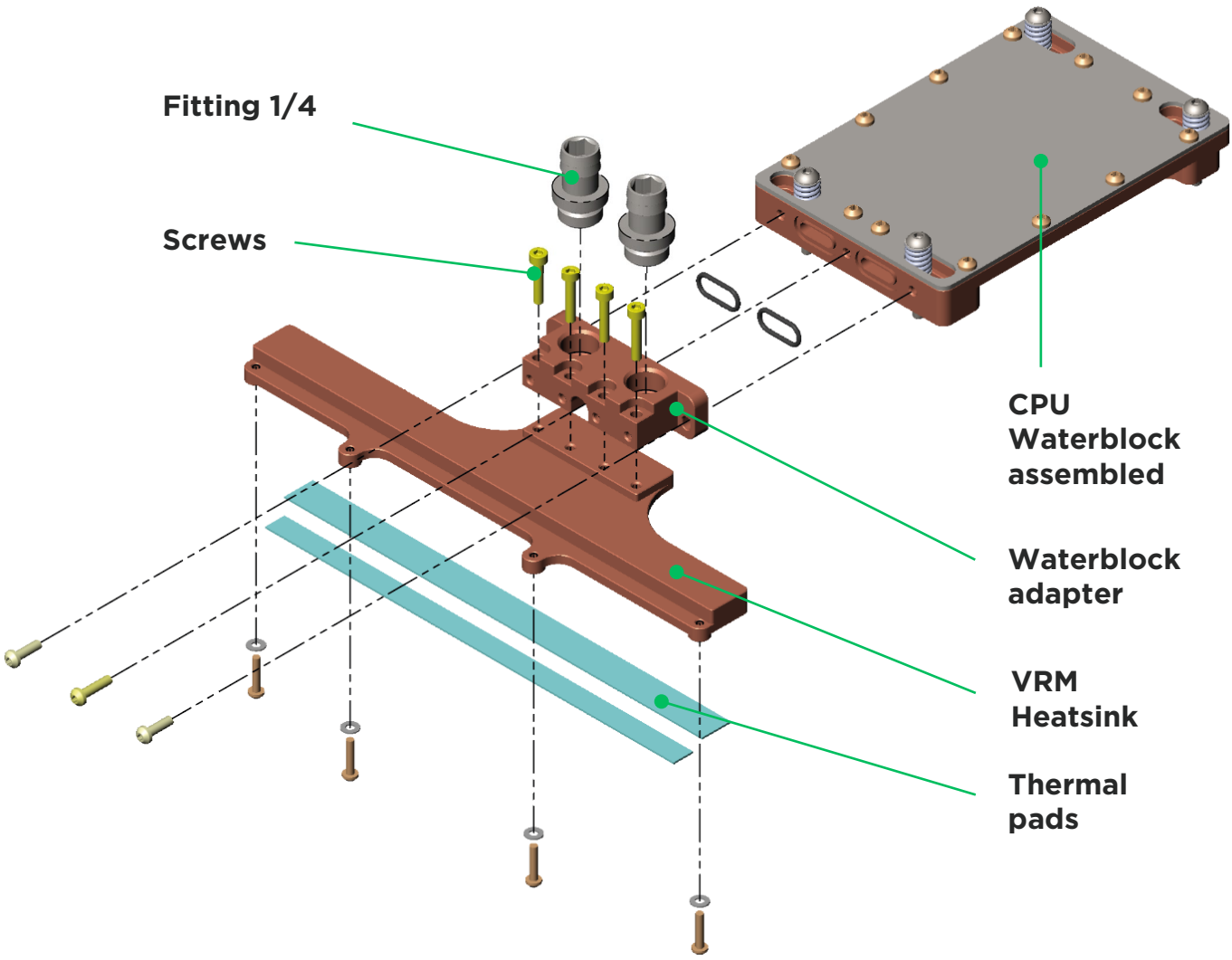
WATERBLOCK ASSEMBLY

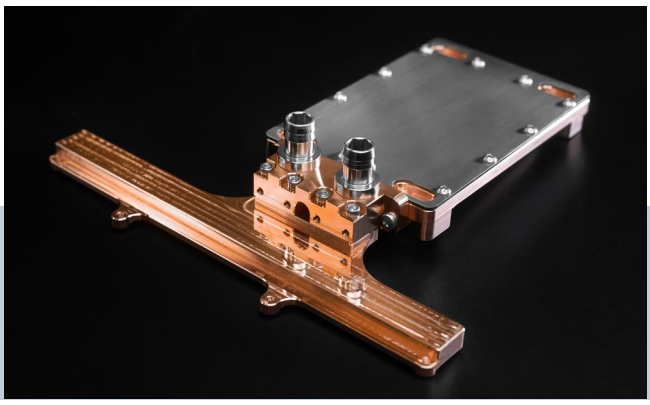




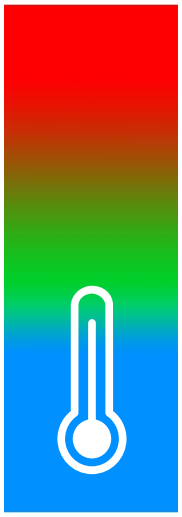


VRM ASSEMBLY





THERMAL PERFORMANCE



85°C Max temp

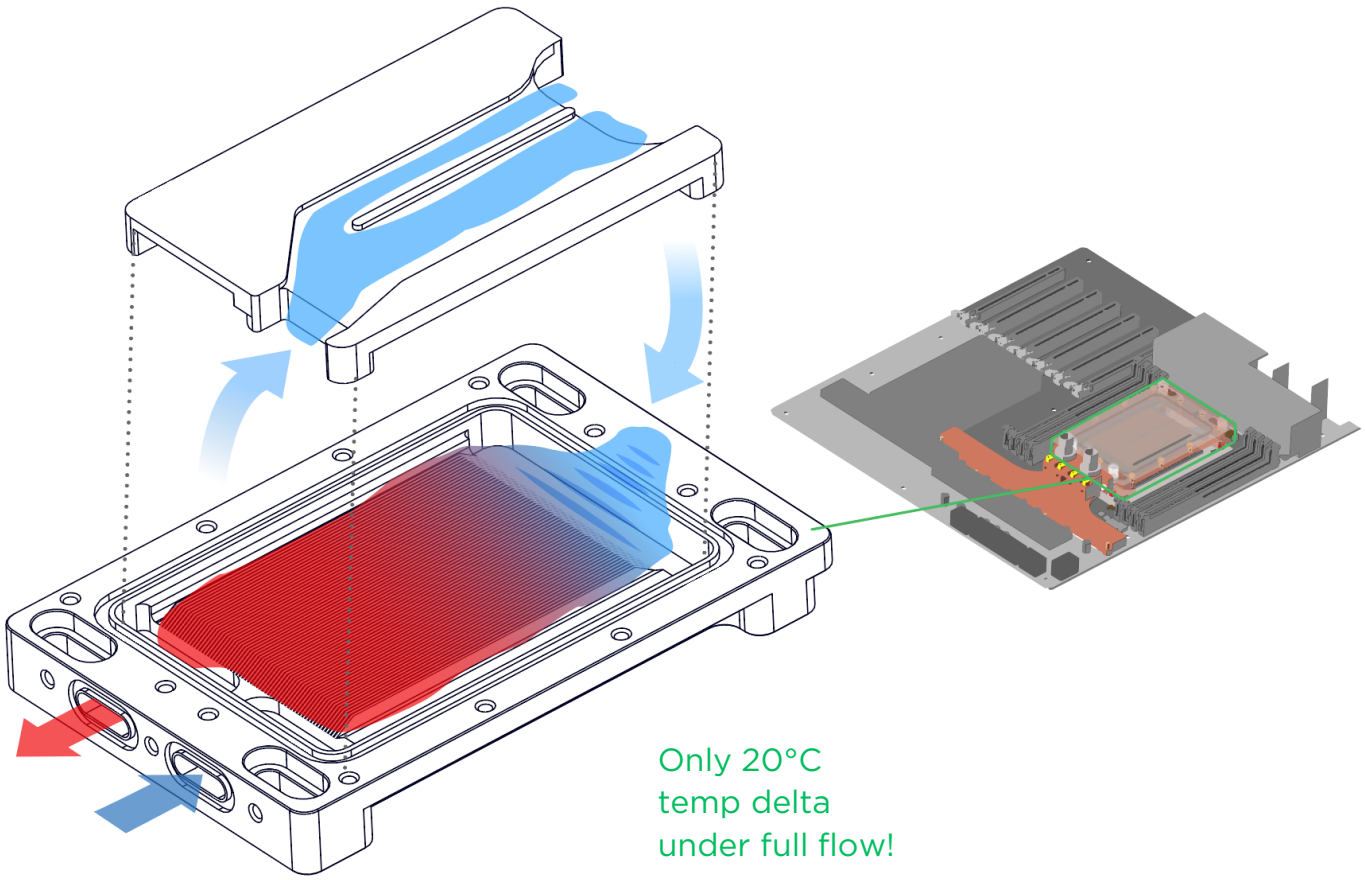
Competitors range*

50°C
40°C **Comino waterblock**

20°C Coolant

0°C

* — For the same coolant flow



Only 20°C
temp delta
under full flow!

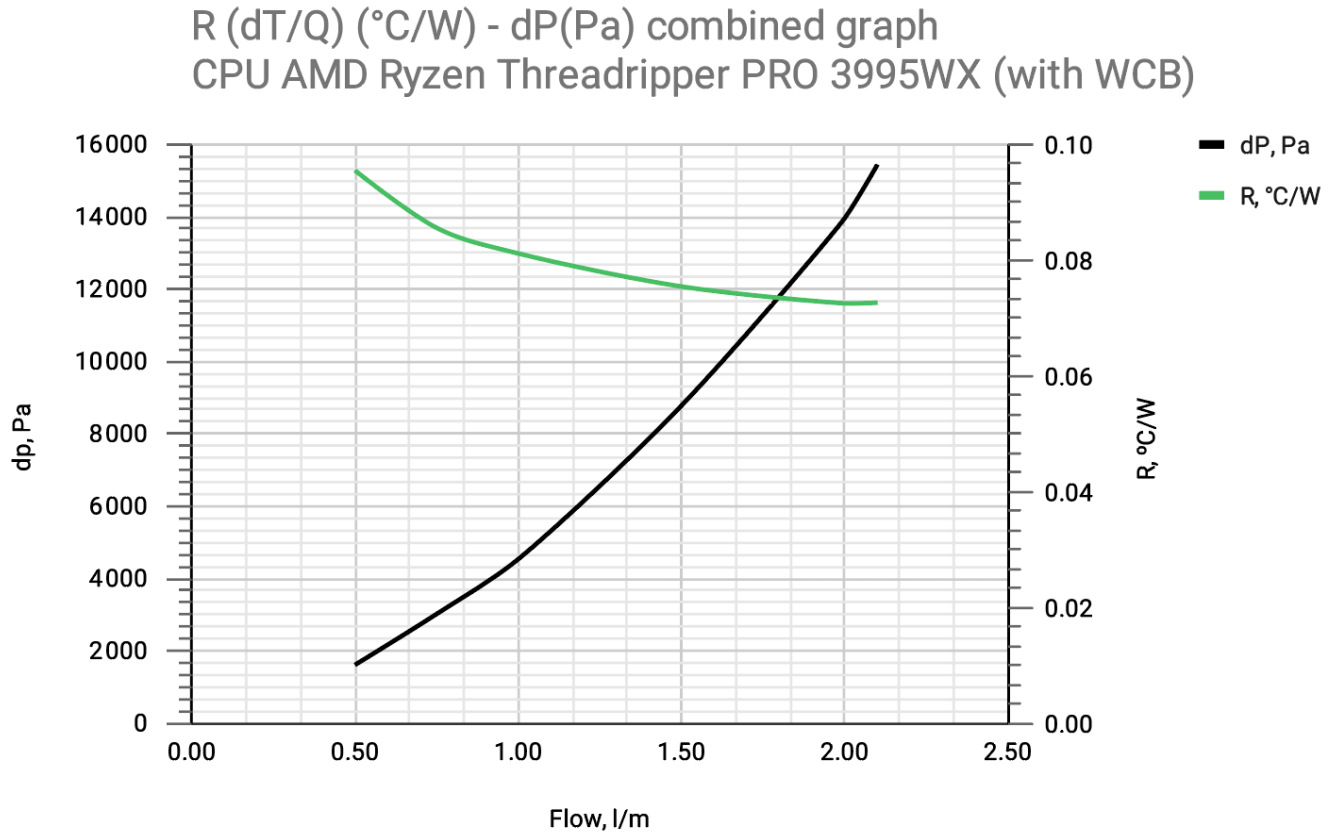
THERMAL RESISTANCE (CPU-WATER INLET), TEMPERATURE RISE and PRESSURE DROP vs FLOW RATE

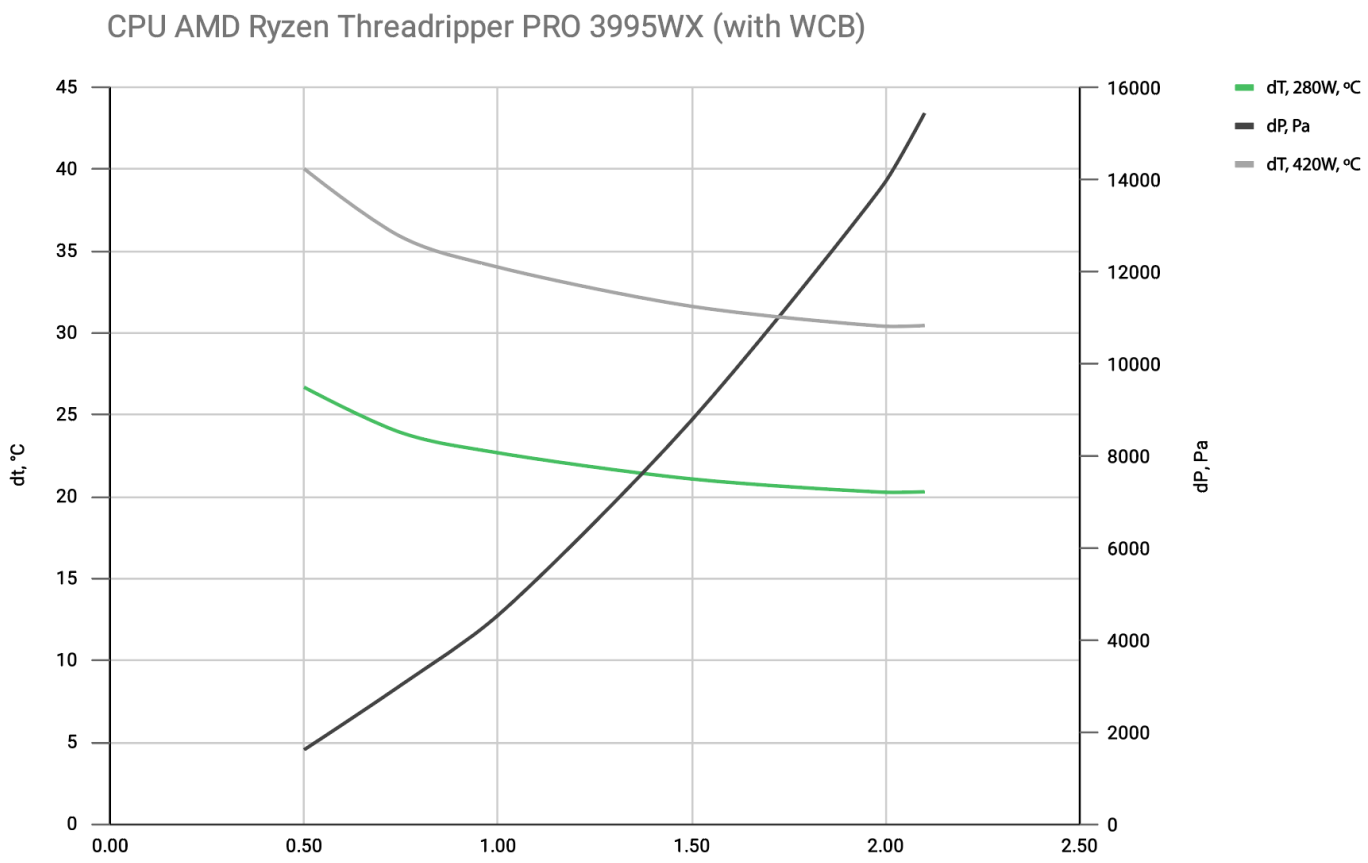
The upper graph indicates waterblock thermal resistance (°C/W) and coolant pressure drop (Pa) between inlet and outlet of waterblock vs coolant flow rate (l/min). The lower graph indicates temperature rise of CPU processor p-n junction relatively to coolant inlet temperature (0°C) vs coolant flow rate (l/min) under different CPU processor power consumption rates.

Motherboard: ASUS Pro WS WRX80E-SAGE SE WIFI

CPU: AMD Ryzen TM Threadripper™ TM PRO 3995WX

CPU Waterblock: Comino WCB SP3/TR4





Thermal resistance research for other CPU models available upon request

COMPATIBLE MODELS

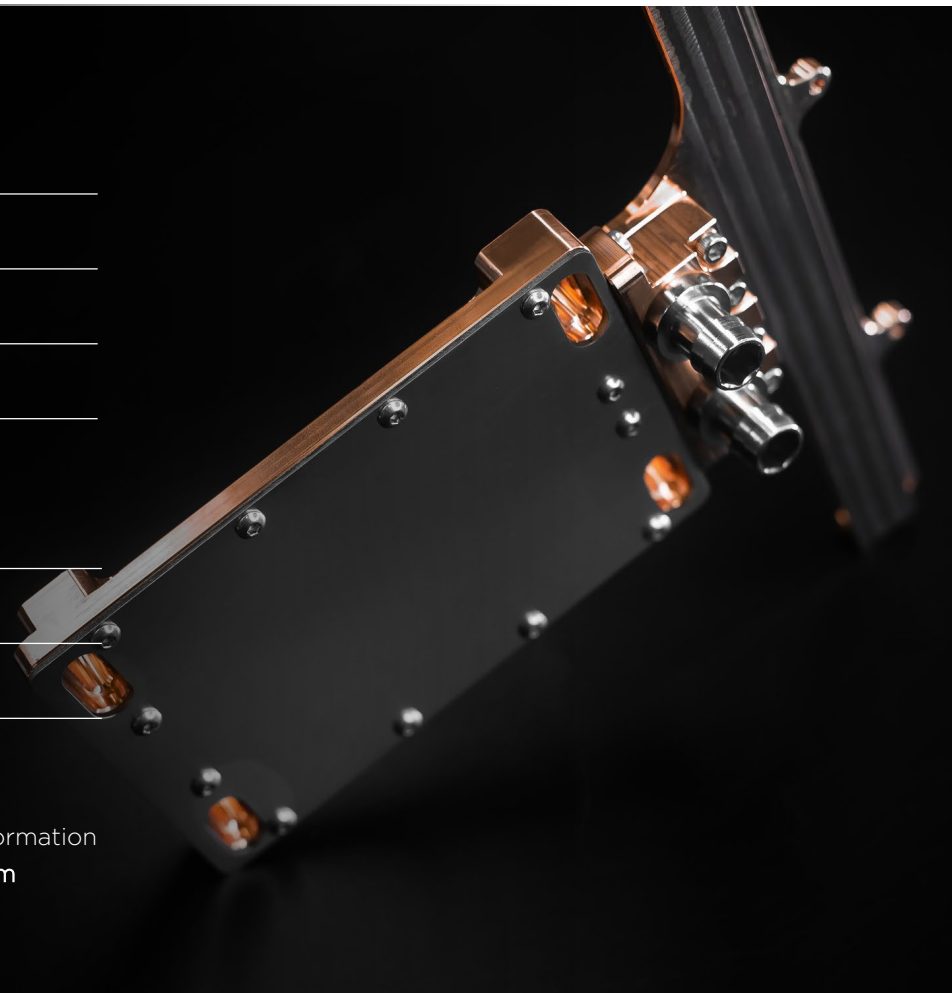
CPU Waterblock for SP3/TR4 socket is compatible with motherboards:

- Gigabyte WRX80-SU8-IPMI
- ASUS Pro WS WRX80E-SAGE SE WIFI
- ASUS ROG STRIX TRX40-E Gaming

(!) VRM-module for each MoBo is different

COMPOSITION OF THE KIT

- Fullcover waterblock SP3/TR4
- VRM for Asus Pro WS WRX80E-SAGE SE WIFI
- Thread adapter
- Fittings
- Mounting kit
- Thermopads



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