

Cold Plate

Full capacity in cold plate design, simulation, production and test.



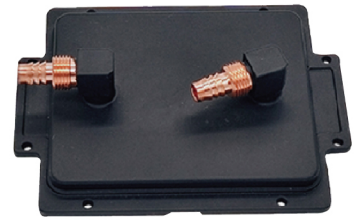
► Product Features

- High reliability, high density, no leakage
- Optimized internal channel and high-density skiving-fin design
- ANSYS / 6SigmaET thermal simulation capability
- Full set of cold plate manufacturing device, including water immersion ultrasonic test, box-type helium detection, as well as flow resistance and thermal resistance test, etc.
- Meet Intel Whitley/Purley/Eagle Stream/OKS stream, AMD Genoa /Turin /Venice CPUs specifications
- Meet Nvidia H100 GB200 GPUs specifications
- Highly customizable cold plate design and production

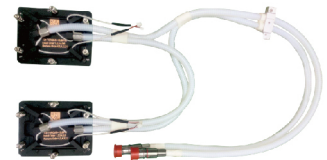
▶ AMD Genoa/Turin Cold Plate

1. Product Features

- Skiving-fin flow channel design, and high heat dissipation efficiency
- AMD standard platform interface design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability
- Cofferdam and double casing for enhanced liquid leakage protection (Turin)



Genoa Cold Plate



Turin Cold Plate Loop

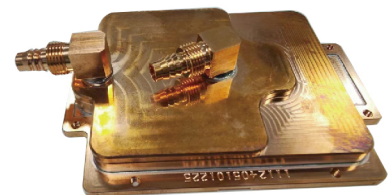
2. Material

- Cu1100

▶ Venice Cold Plate

1. Product Features

- 2 in 2 out skiving-fin flow channel design, low flow resistance, high cooling efficiency
- AMD standard platform interface design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



Venice Cold Plate

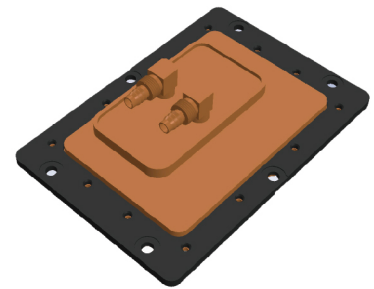
2. Material

- Cu1100

► OKS Cold Plate

1. Product Features

- Dual-flow skiving-fin flow channel design, high cooling efficiency
- Intel standard platform interface design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



OKS Cold Plate

2. Material

- Cu1100

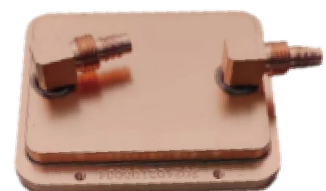
► BHS Cold Plate

1. Product Features

- Skiving-fin flow channel design for high heat dissipation efficiency
- Intel standard platform interface design, convenient installation and adaptation.
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



AP



SP

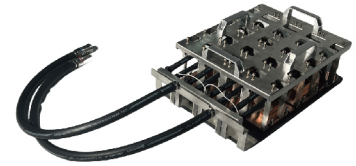
2. Material

- Cu1100

► H100 Cold Plate Loop

1. Product Features

- High density skiving-fin flow channel design, high cooling efficiency
- Integral mounting design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



H100 Cold Plate Loop

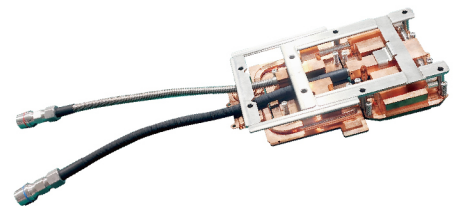
2. Material

- Cu1100, SUS304

► GB200 Cold Plate Loop

1. Product Features

- High density skiving-fin flow channel design, high cooling efficiency
- Copper tube floating design, convenient installation and adaptation
- Copper material for efficient heat conduction
- One-piece brazing, high reliability



GB200 Cold Plate Loop

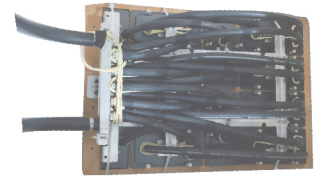
2. Material

- Cu1100, SUS304

► B200 Cold Plate Module

1. Product Features

- High-density Skiving-fin high heat dissipation
- Whole plate module, one-piece installation, quick connection
- Copper material for efficient heat conduction
- One-piece brazing design, high reliability



B200 Cold Plate Module

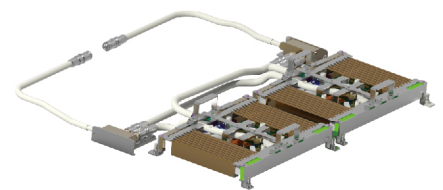
2. Material

- Cu1100

► Fully Liquid Cooling Solution

1. Product Features

- Cold plate+Heat Pipe design, enable high density and high power memory deployment
- Heat pipe with out-shell design to enhance reliability
- PI Film for DRAM enable easy installation and maintenance



Fully Liquid Cooling Solution

2. Material

- Cu1100

► QSFP Liquid Cooling Solution

1. Product Features

- Liquid cooling solution enable high density and high power QFSP deployment
- Parallel flow loop design, enable to achieve low pressure drop, low temp difference and low flow resistance
- Flow control valve to dynamically adjust flow rate based on actual needs
- Flow Meter to real-time detect actual flow rate



QSFP Liquid Cooling Solution

2. Material

- Cu1100

Welcome to contact us!

- Coolant Distribution Unit(CDU)
- Rear Door Heat Exchanger (RDHx)
- Rack Manifold (MANIFOLD)
- Quick Disconnect (QD)
- Cold Plate
- Thermal Test Vehicle(TTV)
- Immersion Tank
- Coolant
- Leakage Detection Product
- Liquid Cooling Solution

Advanced Cooling Technology SDN.BHD

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