

Global Direct-To-Chip Liquid Cold Plate Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GC33905C60EFEN.html>

Date: August 2026

Pages: 204

Price: US\$ 4,480.00 (Single User License)

ID: GC33905C60EFEN

Abstracts

The global Direct-To-Chip Liquid Cold Plate market size is expected to reach \$ 8664 million by 2032, rising at a market growth of 26.4% CAGR during the forecast period (2026-2032).

Server direct-to-chip liquid cold plates are precision liquid heat exchangers mounted directly on high-heat-flux electronic components within data-center servers, including CPUs, GPUs, AI ASICs, FPGAs, DPUs, network-switching chips, memory modules, optical transceivers and power-conversion components. A cold plate establishes a low-thermal-resistance interface with the semiconductor package and transfers heat into a circulating coolant through internal microchannels, fin arrays, impingement structures or two-phase evaporative chambers. Commercial products are generally manufactured from copper, aluminum, stainless steel or engineered metal combinations using machining, skiving, stamping, brazing, friction-stir welding, etched-foil stacking, diffusion bonding, additive manufacturing or hybrid fabrication processes. Key performance parameters include heat-removal capacity, local heat-flux capability, thermal resistance, coolant flow rate, pressure drop, fluid and material compatibility, proof pressure, leakage rate, flatness, surface finish and long-term corrosion reliability. The products are primarily deployed in AI training and inference servers, high-performance computing systems, cloud servers, data-center networking equipment and other compute-dense infrastructure.

The global supply base combines large-scale Taiwanese thermal ODMs, North American technology specialists, Chinese full-chain liquid-cooling suppliers and Japanese precision-manufacturing companies. Asia Vital Components, Auras Technology, Cooler Master, Delta, Forcecon and TaiSol benefit from established server-thermal relationships, high-volume manufacturing and proximity to the global server

ODM ecosystem. CoolIT, Boyd, Motivair, JetCool, Mikros, ZutaCore and Accelsius differentiate through large installed bases, high-performance customization, micro-impingement or two-phase cooling. In China, Envicool and FRD have established relatively clear product and manufacturing positions, while JONHON and several additional thermal-management companies are progressing through platform qualification. The broad supplier pool is materially larger than the core formal list because the ability to manufacture a generic industrial liquid cold plate does not automatically demonstrate data-center qualification, server-platform compatibility or sustained high-volume production.

Single-phase water-based cooling is expected to remain the mainstream architecture over the medium term because it benefits from a mature supply chain, established service practices and compatibility with existing data-center infrastructure. However, rising device power will accelerate the adoption of denser microchannels, impingement cooling, floating mechanical interfaces, diffusion-bonded structures and two-phase evaporative cold plates. Two-phase D2C offers the potential for higher heat-flux capability and more uniform component temperatures, but widespread adoption still depends on refrigerant management, pressure control, material compatibility, maintainability and long-duration field reliability. Competitive advantage will increasingly depend on chip-level co-design, qualification speed, low-defect mass production and the ability to integrate cold plates with manifolds, quick disconnects, CDUs and monitoring systems.

This report studies the global Direct-To-Chip Liquid Cold Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct-To-Chip Liquid Cold Plate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Direct-To-Chip Liquid Cold Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct-To-Chip Liquid Cold Plate total production and demand, 2021-2032, (K Pcs)

Global Direct-To-Chip Liquid Cold Plate total production value, 2021-2032, (USD Million)

Global Direct-To-Chip Liquid Cold Plate production by region & country, production,

value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global Direct-To-Chip Liquid Cold Plate consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: Direct-To-Chip Liquid Cold Plate domestic production, consumption, key domestic manufacturers and share

Global Direct-To-Chip Liquid Cold Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global Direct-To-Chip Liquid Cold Plate production by Material, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global Direct-To-Chip Liquid Cold Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global Direct-To-Chip Liquid Cold Plate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AVC, Auras Technology, Cooler Master, Forcecon Technology, KENMEC MECHANICAL ENGINEERING, Sunon, Delta Electronics, Inc, TaiSol Electronics, Ecolab (CoolIT Systems), Eaton (Boyd Thermal), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct-To-Chip Liquid Cold Plate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pcs) by manufacturer, by Material, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Direct-To-Chip Liquid Cold Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Direct-To-Chip Liquid Cold Plate Market, Segmentation by Material:

Copper Cold Plate

Copper+Aluminum Cold Plate

Others

Global Direct-To-Chip Liquid Cold Plate Market, Segmentation by Heat Transfer Mechanism:

Single-Phase Cold Plate

Two-Phase Cold Plate

Global Direct-To-Chip Liquid Cold Plate Market, Segmentation by Server Type:

AI Liquid Cooling Server

General-Purpose Liquid Cooling Server

Global Direct-To-Chip Liquid Cold Plate Market, Segmentation by Application:

GPU Cold Plate

CPU Cold Plate

ASIC Cold Plate

DIMM Cold Plate

Others

Companies Profiled:

AVC

Auras Technology

Cooler Master

Forcecon Technology

KENMEC MECHANICAL ENGINEERING

Sunon

Delta Electronics, Inc

TaiSol Electronics

Ecolab (CoolIT Systems)

Eaton (Boyd Thermal)

JetCool Technologies Inc

Chilldyne

Motivair Corporation

Advanced Cooling Technologies, Inc. (ACT)

United Precision Technologies Co., Ltd. (UPT)

DCX Liquid Cooling Systems

Mikros Technologies

Frore Systems

Alloy Enterprises

Jentech Precision Industrial

Advanced Thermal Solutions, Inc. (ATS)

ZutaCore

Nidec

Shenzhen Cotran New Material

Shenzhen FRD

Shenzhen Envicool Technology

JONHON OPTRONIC TECHNOLOGY

Shenglan Technology

BEEHE TECHNOLOGY

Vekooler Technology

Haite Xinke New Materials Technology

General Connectivity System

Key Questions Answered:

1. How big is the global Direct-To-Chip Liquid Cold Plate market?
2. What is the demand of the global Direct-To-Chip Liquid Cold Plate market?
3. What is the year over year growth of the global Direct-To-Chip Liquid Cold Plate market?
4. What is the production and production value of the global Direct-To-Chip Liquid Cold Plate market?
5. Who are the key producers in the global Direct-To-Chip Liquid Cold Plate market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Direct-To-Chip Liquid Cold Plate Introduction
- 1.2 World Direct-To-Chip Liquid Cold Plate Supply & Forecast
 - 1.2.1 World Direct-To-Chip Liquid Cold Plate Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.2.3 World Direct-To-Chip Liquid Cold Plate Pricing Trends (2021-2032)
- 1.3 World Direct-To-Chip Liquid Cold Plate Production by Region (Based on Production Site)
 - 1.3.1 World Direct-To-Chip Liquid Cold Plate Production Value by Region (2021-2032)
 - 1.3.2 World Direct-To-Chip Liquid Cold Plate Production by Region (2021-2032)
 - 1.3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Region (2021-2032)
 - 1.3.4 North America Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.3.5 Europe Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.3.6 China Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.3.7 Japan Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.3.8 China Taiwan Direct-To-Chip Liquid Cold Plate Production (2021-2032)
 - 1.3.9 Southeast Asia Direct-To-Chip Liquid Cold Plate Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Direct-To-Chip Liquid Cold Plate Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Direct-To-Chip Liquid Cold Plate Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Direct-To-Chip Liquid Cold Plate Demand (2021-2032)
- 2.2 World Direct-To-Chip Liquid Cold Plate Consumption by Region
 - 2.2.1 World Direct-To-Chip Liquid Cold Plate Consumption by Region (2021-2026)
 - 2.2.2 World Direct-To-Chip Liquid Cold Plate Consumption Forecast by Region (2027-2032)
- 2.3 United States Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.4 China Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.5 Europe Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.6 Japan Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.7 South Korea Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.8 ASEAN Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)
- 2.9 India Direct-To-Chip Liquid Cold Plate Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Direct-To-Chip Liquid Cold Plate Production Value by Manufacturer (2021-2026)
- 3.2 World Direct-To-Chip Liquid Cold Plate Production by Manufacturer (2021-2026)
- 3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Manufacturer (2021-2026)
- 3.4 Direct-To-Chip Liquid Cold Plate Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Direct-To-Chip Liquid Cold Plate Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Direct-To-Chip Liquid Cold Plate in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Direct-To-Chip Liquid Cold Plate in 2025
- 3.6 Direct-To-Chip Liquid Cold Plate Market: Overall Company Footprint Analysis
 - 3.6.1 Direct-To-Chip Liquid Cold Plate Market: Region Footprint
 - 3.6.2 Direct-To-Chip Liquid Cold Plate Market: Company Product Type Footprint
 - 3.6.3 Direct-To-Chip Liquid Cold Plate Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Direct-To-Chip Liquid Cold Plate Production Value Comparison
 - 4.1.1 United States VS China: Direct-To-Chip Liquid Cold Plate Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Direct-To-Chip Liquid Cold Plate Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Direct-To-Chip Liquid Cold Plate Production Comparison
 - 4.2.1 United States VS China: Direct-To-Chip Liquid Cold Plate Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Direct-To-Chip Liquid Cold Plate Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Direct-To-Chip Liquid Cold Plate Consumption Comparison
 - 4.3.1 United States VS China: Direct-To-Chip Liquid Cold Plate Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Direct-To-Chip Liquid Cold Plate Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Direct-To-Chip Liquid Cold Plate Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value (2021-2026)

4.4.3 United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production (2021-2026)

4.5 China Based Direct-To-Chip Liquid Cold Plate Manufacturers and Market Share

4.5.1 China Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value (2021-2026)

4.5.3 China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production (2021-2026)

4.6 Rest of World Based Direct-To-Chip Liquid Cold Plate Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production (2021-2026)

5 MARKET ANALYSIS BY MATERIAL

5.1 World Direct-To-Chip Liquid Cold Plate Market Size Overview by Material: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Material

5.2.1 Copper Cold Plate

5.2.2 Copper+Aluminum Cold Plate

5.2.3 Others

5.3 Market Segment by Material

5.3.1 World Direct-To-Chip Liquid Cold Plate Production by Material (2021-2032)

5.3.2 World Direct-To-Chip Liquid Cold Plate Production Value by Material (2021-2032)

5.3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Material (2021-2032)

6 MARKET ANALYSIS BY HEAT TRANSFER MECHANISM

6.1 World Direct-To-Chip Liquid Cold Plate Market Size Overview by Heat Transfer Mechanism: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Heat Transfer Mechanism

6.2.1 Single-Phase Cold Plate

6.2.2 Two-Phase Cold Plate

6.3 Market Segment by Heat Transfer Mechanism

6.3.1 World Direct-To-Chip Liquid Cold Plate Production by Heat Transfer Mechanism (2021-2032)

6.3.2 World Direct-To-Chip Liquid Cold Plate Production Value by Heat Transfer Mechanism (2021-2032)

6.3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Heat Transfer Mechanism (2021-2032)

7 MARKET ANALYSIS BY SERVER TYPE

7.1 World Direct-To-Chip Liquid Cold Plate Market Size Overview by Server Type: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Server Type

7.2.1 AI Liquid Cooling Server

7.2.2 General-Purpose Liquid Cooling Server

7.3 Market Segment by Server Type

7.3.1 World Direct-To-Chip Liquid Cold Plate Production by Server Type (2021-2032)

7.3.2 World Direct-To-Chip Liquid Cold Plate Production Value by Server Type (2021-2032)

7.3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Server Type (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Direct-To-Chip Liquid Cold Plate Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 GPU Cold Plate

8.2.2 CPU Cold Plate

8.2.3 ASIC Cold Plate

8.2.4 DIMM Cold Plate

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Direct-To-Chip Liquid Cold Plate Production by Application (2021-2032)

8.3.2 World Direct-To-Chip Liquid Cold Plate Production Value by Application (2021-2032)

8.3.3 World Direct-To-Chip Liquid Cold Plate Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 AVC

9.1.1 AVC Details

9.1.2 AVC Major Business

9.1.3 AVC Direct-To-Chip Liquid Cold Plate Product and Services

9.1.4 AVC Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 AVC Recent Developments/Updates

9.1.6 AVC Competitive Strengths & Weaknesses

9.2 Auras Technology

9.2.1 Auras Technology Details

9.2.2 Auras Technology Major Business

9.2.3 Auras Technology Direct-To-Chip Liquid Cold Plate Product and Services

9.2.4 Auras Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Auras Technology Recent Developments/Updates

9.2.6 Auras Technology Competitive Strengths & Weaknesses

9.3 Cooler Master

9.3.1 Cooler Master Details

9.3.2 Cooler Master Major Business

9.3.3 Cooler Master Direct-To-Chip Liquid Cold Plate Product and Services

9.3.4 Cooler Master Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Cooler Master Recent Developments/Updates

9.3.6 Cooler Master Competitive Strengths & Weaknesses

9.4 Forcecon Technology

9.4.1 Forcecon Technology Details

9.4.2 Forcecon Technology Major Business

9.4.3 Forcecon Technology Direct-To-Chip Liquid Cold Plate Product and Services

9.4.4 Forcecon Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.4.5 Forcecon Technology Recent Developments/Updates

9.4.6 Forcecon Technology Competitive Strengths & Weaknesses

9.5 KENMEC MECHANICAL ENGINEERING

9.5.1 KENMEC MECHANICAL ENGINEERING Details

9.5.2 KENMEC MECHANICAL ENGINEERING Major Business

9.5.3 KENMEC MECHANICAL ENGINEERING Direct-To-Chip Liquid Cold Plate Product and Services

9.5.4 KENMEC MECHANICAL ENGINEERING Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 KENMEC MECHANICAL ENGINEERING Recent Developments/Updates

9.5.6 KENMEC MECHANICAL ENGINEERING Competitive Strengths & Weaknesses

9.6 Sunon

9.6.1 Sunon Details

9.6.2 Sunon Major Business

9.6.3 Sunon Direct-To-Chip Liquid Cold Plate Product and Services

9.6.4 Sunon Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Sunon Recent Developments/Updates

9.6.6 Sunon Competitive Strengths & Weaknesses

9.7 Delta Electronics, Inc

9.7.1 Delta Electronics, Inc Details

9.7.2 Delta Electronics, Inc Major Business

9.7.3 Delta Electronics, Inc Direct-To-Chip Liquid Cold Plate Product and Services

9.7.4 Delta Electronics, Inc Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Delta Electronics, Inc Recent Developments/Updates

9.7.6 Delta Electronics, Inc Competitive Strengths & Weaknesses

9.8 TaiSol Electronics

9.8.1 TaiSol Electronics Details

9.8.2 TaiSol Electronics Major Business

9.8.3 TaiSol Electronics Direct-To-Chip Liquid Cold Plate Product and Services

9.8.4 TaiSol Electronics Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 TaiSol Electronics Recent Developments/Updates

9.8.6 TaiSol Electronics Competitive Strengths & Weaknesses

9.9 Ecolab (CoolIT Systems)

9.9.1 Ecolab (CoolIT Systems) Details

9.9.2 Ecolab (CoolIT Systems) Major Business

- 9.9.3 Ecolab (CoolIT Systems) Direct-To-Chip Liquid Cold Plate Product and Services
- 9.9.4 Ecolab (CoolIT Systems) Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 Ecolab (CoolIT Systems) Recent Developments/Updates
- 9.9.6 Ecolab (CoolIT Systems) Competitive Strengths & Weaknesses
- 9.10 Eaton (Boyd Thermal)
- 9.10.1 Eaton (Boyd Thermal) Details
- 9.10.2 Eaton (Boyd Thermal) Major Business
- 9.10.3 Eaton (Boyd Thermal) Direct-To-Chip Liquid Cold Plate Product and Services
- 9.10.4 Eaton (Boyd Thermal) Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.10.5 Eaton (Boyd Thermal) Recent Developments/Updates
- 9.10.6 Eaton (Boyd Thermal) Competitive Strengths & Weaknesses
- 9.11 JetCool Technologies Inc
- 9.11.1 JetCool Technologies Inc Details
- 9.11.2 JetCool Technologies Inc Major Business
- 9.11.3 JetCool Technologies Inc Direct-To-Chip Liquid Cold Plate Product and Services
- 9.11.4 JetCool Technologies Inc Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 JetCool Technologies Inc Recent Developments/Updates
- 9.11.6 JetCool Technologies Inc Competitive Strengths & Weaknesses
- 9.12 Chilldyne
- 9.12.1 Chilldyne Details
- 9.12.2 Chilldyne Major Business
- 9.12.3 Chilldyne Direct-To-Chip Liquid Cold Plate Product and Services
- 9.12.4 Chilldyne Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Chilldyne Recent Developments/Updates
- 9.12.6 Chilldyne Competitive Strengths & Weaknesses
- 9.13 Motivair Corporation
- 9.13.1 Motivair Corporation Details
- 9.13.2 Motivair Corporation Major Business
- 9.13.3 Motivair Corporation Direct-To-Chip Liquid Cold Plate Product and Services
- 9.13.4 Motivair Corporation Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.13.5 Motivair Corporation Recent Developments/Updates
- 9.13.6 Motivair Corporation Competitive Strengths & Weaknesses
- 9.14 Advanced Cooling Technologies, Inc. (ACT)

- 9.14.1 Advanced Cooling Technologies, Inc. (ACT) Details
- 9.14.2 Advanced Cooling Technologies, Inc. (ACT) Major Business
- 9.14.3 Advanced Cooling Technologies, Inc. (ACT) Direct-To-Chip Liquid Cold Plate Product and Services
- 9.14.4 Advanced Cooling Technologies, Inc. (ACT) Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 Advanced Cooling Technologies, Inc. (ACT) Recent Developments/Updates
- 9.14.6 Advanced Cooling Technologies, Inc. (ACT) Competitive Strengths & Weaknesses
- 9.15 United Precision Technologies Co., Ltd. (UPT)
- 9.15.1 United Precision Technologies Co., Ltd. (UPT) Details
- 9.15.2 United Precision Technologies Co., Ltd. (UPT) Major Business
- 9.15.3 United Precision Technologies Co., Ltd. (UPT) Direct-To-Chip Liquid Cold Plate Product and Services
- 9.15.4 United Precision Technologies Co., Ltd. (UPT) Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.15.5 United Precision Technologies Co., Ltd. (UPT) Recent Developments/Updates
- 9.15.6 United Precision Technologies Co., Ltd. (UPT) Competitive Strengths & Weaknesses
- 9.16 DCX Liquid Cooling Systems
- 9.16.1 DCX Liquid Cooling Systems Details
- 9.16.2 DCX Liquid Cooling Systems Major Business
- 9.16.3 DCX Liquid Cooling Systems Direct-To-Chip Liquid Cold Plate Product and Services
- 9.16.4 DCX Liquid Cooling Systems Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.16.5 DCX Liquid Cooling Systems Recent Developments/Updates
- 9.16.6 DCX Liquid Cooling Systems Competitive Strengths & Weaknesses
- 9.17 Mikros Technologies
- 9.17.1 Mikros Technologies Details
- 9.17.2 Mikros Technologies Major Business
- 9.17.3 Mikros Technologies Direct-To-Chip Liquid Cold Plate Product and Services
- 9.17.4 Mikros Technologies Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.17.5 Mikros Technologies Recent Developments/Updates
- 9.17.6 Mikros Technologies Competitive Strengths & Weaknesses
- 9.18 Frore Systems
- 9.18.1 Frore Systems Details
- 9.18.2 Frore Systems Major Business

- 9.18.3 Frore Systems Direct-To-Chip Liquid Cold Plate Product and Services
- 9.18.4 Frore Systems Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.18.5 Frore Systems Recent Developments/Updates
- 9.18.6 Frore Systems Competitive Strengths & Weaknesses
- 9.19 Alloy Enterprises
 - 9.19.1 Alloy Enterprises Details
 - 9.19.2 Alloy Enterprises Major Business
 - 9.19.3 Alloy Enterprises Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.19.4 Alloy Enterprises Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.19.5 Alloy Enterprises Recent Developments/Updates
 - 9.19.6 Alloy Enterprises Competitive Strengths & Weaknesses
- 9.20 Jentech Precision Industrial
 - 9.20.1 Jentech Precision Industrial Details
 - 9.20.2 Jentech Precision Industrial Major Business
 - 9.20.3 Jentech Precision Industrial Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.20.4 Jentech Precision Industrial Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Jentech Precision Industrial Recent Developments/Updates
 - 9.20.6 Jentech Precision Industrial Competitive Strengths & Weaknesses
- 9.21 Advanced Thermal Solutions, Inc. (ATS)
 - 9.21.1 Advanced Thermal Solutions, Inc. (ATS) Details
 - 9.21.2 Advanced Thermal Solutions, Inc. (ATS) Major Business
 - 9.21.3 Advanced Thermal Solutions, Inc. (ATS) Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.21.4 Advanced Thermal Solutions, Inc. (ATS) Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.21.5 Advanced Thermal Solutions, Inc. (ATS) Recent Developments/Updates
 - 9.21.6 Advanced Thermal Solutions, Inc. (ATS) Competitive Strengths & Weaknesses
- 9.22 ZutaCore
 - 9.22.1 ZutaCore Details
 - 9.22.2 ZutaCore Major Business
 - 9.22.3 ZutaCore Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.22.4 ZutaCore Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.22.5 ZutaCore Recent Developments/Updates
 - 9.22.6 ZutaCore Competitive Strengths & Weaknesses

9.23 Nidec

9.23.1 Nidec Details

9.23.2 Nidec Major Business

9.23.3 Nidec Direct-To-Chip Liquid Cold Plate Product and Services

9.23.4 Nidec Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.23.5 Nidec Recent Developments/Updates

9.23.6 Nidec Competitive Strengths & Weaknesses

9.24 Shenzhen Cotran New Material

9.24.1 Shenzhen Cotran New Material Details

9.24.2 Shenzhen Cotran New Material Major Business

9.24.3 Shenzhen Cotran New Material Direct-To-Chip Liquid Cold Plate Product and Services

9.24.4 Shenzhen Cotran New Material Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.24.5 Shenzhen Cotran New Material Recent Developments/Updates

9.24.6 Shenzhen Cotran New Material Competitive Strengths & Weaknesses

9.25 Shenzhen FRD

9.25.1 Shenzhen FRD Details

9.25.2 Shenzhen FRD Major Business

9.25.3 Shenzhen FRD Direct-To-Chip Liquid Cold Plate Product and Services

9.25.4 Shenzhen FRD Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.25.5 Shenzhen FRD Recent Developments/Updates

9.25.6 Shenzhen FRD Competitive Strengths & Weaknesses

9.26 Shenzhen Envicool Technology

9.26.1 Shenzhen Envicool Technology Details

9.26.2 Shenzhen Envicool Technology Major Business

9.26.3 Shenzhen Envicool Technology Direct-To-Chip Liquid Cold Plate Product and Services

9.26.4 Shenzhen Envicool Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.26.5 Shenzhen Envicool Technology Recent Developments/Updates

9.26.6 Shenzhen Envicool Technology Competitive Strengths & Weaknesses

9.27 JONHON OPTRONIC TECHNOLOGY

9.27.1 JONHON OPTRONIC TECHNOLOGY Details

9.27.2 JONHON OPTRONIC TECHNOLOGY Major Business

9.27.3 JONHON OPTRONIC TECHNOLOGY Direct-To-Chip Liquid Cold Plate Product and Services

- 9.27.4 JONHON OPTRONIC TECHNOLOGY Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.27.5 JONHON OPTRONIC TECHNOLOGY Recent Developments/Updates
- 9.27.6 JONHON OPTRONIC TECHNOLOGY Competitive Strengths & Weaknesses
- 9.28 Shenglan Technology
 - 9.28.1 Shenglan Technology Details
 - 9.28.2 Shenglan Technology Major Business
 - 9.28.3 Shenglan Technology Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.28.4 Shenglan Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.28.5 Shenglan Technology Recent Developments/Updates
 - 9.28.6 Shenglan Technology Competitive Strengths & Weaknesses
- 9.29 BEEHE TECHNOLOGY
 - 9.29.1 BEEHE TECHNOLOGY Details
 - 9.29.2 BEEHE TECHNOLOGY Major Business
 - 9.29.3 BEEHE TECHNOLOGY Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.29.4 BEEHE TECHNOLOGY Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.29.5 BEEHE TECHNOLOGY Recent Developments/Updates
 - 9.29.6 BEEHE TECHNOLOGY Competitive Strengths & Weaknesses
- 9.30 Vekooler Technology
 - 9.30.1 Vekooler Technology Details
 - 9.30.2 Vekooler Technology Major Business
 - 9.30.3 Vekooler Technology Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.30.4 Vekooler Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.30.5 Vekooler Technology Recent Developments/Updates
 - 9.30.6 Vekooler Technology Competitive Strengths & Weaknesses
- 9.31 Haite Xinke New Materials Technology
 - 9.31.1 Haite Xinke New Materials Technology Details
 - 9.31.2 Haite Xinke New Materials Technology Major Business
 - 9.31.3 Haite Xinke New Materials Technology Direct-To-Chip Liquid Cold Plate Product and Services
 - 9.31.4 Haite Xinke New Materials Technology Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.31.5 Haite Xinke New Materials Technology Recent Developments/Updates
 - 9.31.6 Haite Xinke New Materials Technology Competitive Strengths & Weaknesses
- 9.32 General Connectivity System
 - 9.32.1 General Connectivity System Details

- 9.32.2 General Connectivity System Major Business
- 9.32.3 General Connectivity System Direct-To-Chip Liquid Cold Plate Product and Services
- 9.32.4 General Connectivity System Direct-To-Chip Liquid Cold Plate Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.32.5 General Connectivity System Recent Developments/Updates
- 9.32.6 General Connectivity System Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Direct-To-Chip Liquid Cold Plate Industry Chain
- 10.2 Direct-To-Chip Liquid Cold Plate Upstream Analysis
 - 10.2.1 Direct-To-Chip Liquid Cold Plate Core Raw Materials
 - 10.2.2 Main Manufacturers of Direct-To-Chip Liquid Cold Plate Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Direct-To-Chip Liquid Cold Plate Production Mode
- 10.6 Direct-To-Chip Liquid Cold Plate Procurement Model
- 10.7 Direct-To-Chip Liquid Cold Plate Industry Sales Model and Sales Channels
 - 10.7.1 Direct-To-Chip Liquid Cold Plate Sales Model
 - 10.7.2 Direct-To-Chip Liquid Cold Plate Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Direct-To-Chip Liquid Cold Plate Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Direct-To-Chip Liquid Cold Plate Production Value by Region (2021-2026) & (USD Million)

Table 3. World Direct-To-Chip Liquid Cold Plate Production Value by Region (2027-2032) & (USD Million)

Table 4. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Region (2021-2026)

Table 5. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Region (2027-2032)

Table 6. World Direct-To-Chip Liquid Cold Plate Production by Region (2021-2026) & (K Pcs)

Table 7. World Direct-To-Chip Liquid Cold Plate Production by Region (2027-2032) & (K Pcs)

Table 8. World Direct-To-Chip Liquid Cold Plate Production Market Share by Region (2021-2026)

Table 9. World Direct-To-Chip Liquid Cold Plate Production Market Share by Region (2027-2032)

Table 10. World Direct-To-Chip Liquid Cold Plate Average Price by Region (2021-2026) & (US\$/Pcs)

Table 11. World Direct-To-Chip Liquid Cold Plate Average Price by Region (2027-2032) & (US\$/Pcs)

Table 12. Direct-To-Chip Liquid Cold Plate Major Market Trends

Table 13. World Direct-To-Chip Liquid Cold Plate Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Pcs)

Table 14. World Direct-To-Chip Liquid Cold Plate Consumption by Region (2021-2026) & (K Pcs)

Table 15. World Direct-To-Chip Liquid Cold Plate Consumption Forecast by Region (2027-2032) & (K Pcs)

Table 16. World Direct-To-Chip Liquid Cold Plate Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Direct-To-Chip Liquid Cold Plate Producers in 2025

Table 18. World Direct-To-Chip Liquid Cold Plate Production by Manufacturer (2021-2026) & (K Pcs)

Table 19. Production Market Share of Key Direct-To-Chip Liquid Cold Plate Producers in 2025

Table 20. World Direct-To-Chip Liquid Cold Plate Average Price by Manufacturer (2021-2026) & (US\$/Pcs)

Table 21. Global Direct-To-Chip Liquid Cold Plate Company Evaluation Quadrant

Table 22. World Direct-To-Chip Liquid Cold Plate Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Direct-To-Chip Liquid Cold Plate Production Site of Key Manufacturer

Table 24. Direct-To-Chip Liquid Cold Plate Market: Company Product Type Footprint

Table 25. Direct-To-Chip Liquid Cold Plate Market: Company Product Application Footprint

Table 26. Direct-To-Chip Liquid Cold Plate Competitive Factors

Table 27. Direct-To-Chip Liquid Cold Plate New Entrant and Capacity Expansion Plans

Table 28. Direct-To-Chip Liquid Cold Plate Mergers & Acquisitions Activity

Table 29. United States VS China Direct-To-Chip Liquid Cold Plate Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Direct-To-Chip Liquid Cold Plate Production Comparison, (2021 & 2025 & 2032) & (K Pcs)

Table 31. United States VS China Direct-To-Chip Liquid Cold Plate Consumption Comparison, (2021 & 2025 & 2032) & (K Pcs)

Table 32. United States Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production (2021-2026) & (K Pcs)

Table 36. United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share (2021-2026)

Table 37. China Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production, (2021-2026) & (K Pcs)

Table 41. China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share (2021-2026)

Table 42. Rest of World Based Direct-To-Chip Liquid Cold Plate Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production, (2021-2026) & (K Pcs)

Table 46. Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share (2021-2026)

Table 47. World Direct-To-Chip Liquid Cold Plate Production Value by Material, (USD Million), 2021 & 2025 & 2032

Table 48. World Direct-To-Chip Liquid Cold Plate Production by Material (2021-2026) & (K Pcs)

Table 49. World Direct-To-Chip Liquid Cold Plate Production by Material (2027-2032) & (K Pcs)

Table 50. World Direct-To-Chip Liquid Cold Plate Production Value by Material (2021-2026) & (USD Million)

Table 51. World Direct-To-Chip Liquid Cold Plate Production Value by Material (2027-2032) & (USD Million)

Table 52. World Direct-To-Chip Liquid Cold Plate Average Price by Material (2021-2026) & (US\$/Pcs)

Table 53. World Direct-To-Chip Liquid Cold Plate Average Price by Material (2027-2032) & (US\$/Pcs)

Table 54. World Direct-To-Chip Liquid Cold Plate Production Value by Heat Transfer Mechanism, (USD Million), 2021 & 2025 & 2032

Table 55. World Direct-To-Chip Liquid Cold Plate Production by Heat Transfer Mechanism (2021-2026) & (K Pcs)

Table 56. World Direct-To-Chip Liquid Cold Plate Production by Heat Transfer Mechanism (2027-2032) & (K Pcs)

Table 57. World Direct-To-Chip Liquid Cold Plate Production Value by Heat Transfer Mechanism (2021-2026) & (USD Million)

Table 58. World Direct-To-Chip Liquid Cold Plate Production Value by Heat Transfer Mechanism (2027-2032) & (USD Million)

Table 59. World Direct-To-Chip Liquid Cold Plate Average Price by Heat Transfer Mechanism (2021-2026) & (US\$/Pcs)

Table 60. World Direct-To-Chip Liquid Cold Plate Average Price by Heat Transfer

Mechanism (2027-2032) & (US\$/Pcs)

Table 61. World Direct-To-Chip Liquid Cold Plate Production Value by Server Type, (USD Million), 2021 & 2025 & 2032

Table 62. World Direct-To-Chip Liquid Cold Plate Production by Server Type (2021-2026) & (K Pcs)

Table 63. World Direct-To-Chip Liquid Cold Plate Production by Server Type (2027-2032) & (K Pcs)

Table 64. World Direct-To-Chip Liquid Cold Plate Production Value by Server Type (2021-2026) & (USD Million)

Table 65. World Direct-To-Chip Liquid Cold Plate Production Value by Server Type (2027-2032) & (USD Million)

Table 66. World Direct-To-Chip Liquid Cold Plate Average Price by Server Type (2021-2026) & (US\$/Pcs)

Table 67. World Direct-To-Chip Liquid Cold Plate Average Price by Server Type (2027-2032) & (US\$/Pcs)

Table 68. World Direct-To-Chip Liquid Cold Plate Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Direct-To-Chip Liquid Cold Plate Production by Application (2021-2026) & (K Pcs)

Table 70. World Direct-To-Chip Liquid Cold Plate Production by Application (2027-2032) & (K Pcs)

Table 71. World Direct-To-Chip Liquid Cold Plate Production Value by Application (2021-2026) & (USD Million)

Table 72. World Direct-To-Chip Liquid Cold Plate Production Value by Application (2027-2032) & (USD Million)

Table 73. World Direct-To-Chip Liquid Cold Plate Average Price by Application (2021-2026) & (US\$/Pcs)

Table 74. World Direct-To-Chip Liquid Cold Plate Average Price by Application (2027-2032) & (US\$/Pcs)

Table 75. AVC Basic Information, Manufacturing Base and Competitors

Table 76. AVC Major Business

Table 77. AVC Direct-To-Chip Liquid Cold Plate Product and Services

Table 78. AVC Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. AVC Recent Developments/Updates

Table 80. AVC Competitive Strengths & Weaknesses

Table 81. Auras Technology Basic Information, Manufacturing Base and Competitors

Table 82. Auras Technology Major Business

Table 83. Auras Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 84. Auras Technology Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Auras Technology Recent Developments/Updates

Table 86. Auras Technology Competitive Strengths & Weaknesses

Table 87. Cooler Master Basic Information, Manufacturing Base and Competitors

Table 88. Cooler Master Major Business

Table 89. Cooler Master Direct-To-Chip Liquid Cold Plate Product and Services

Table 90. Cooler Master Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Cooler Master Recent Developments/Updates

Table 92. Cooler Master Competitive Strengths & Weaknesses

Table 93. Forcecon Technology Basic Information, Manufacturing Base and Competitors

Table 94. Forcecon Technology Major Business

Table 95. Forcecon Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 96. Forcecon Technology Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Forcecon Technology Recent Developments/Updates

Table 98. Forcecon Technology Competitive Strengths & Weaknesses

Table 99. KENMEC MECHANICAL ENGINEERING Basic Information, Manufacturing Base and Competitors

Table 100. KENMEC MECHANICAL ENGINEERING Major Business

Table 101. KENMEC MECHANICAL ENGINEERING Direct-To-Chip Liquid Cold Plate Product and Services

Table 102. KENMEC MECHANICAL ENGINEERING Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. KENMEC MECHANICAL ENGINEERING Recent Developments/Updates

Table 104. KENMEC MECHANICAL ENGINEERING Competitive Strengths & Weaknesses

Table 105. Sunon Basic Information, Manufacturing Base and Competitors

Table 106. Sunon Major Business

Table 107. Sunon Direct-To-Chip Liquid Cold Plate Product and Services

Table 108. Sunon Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Sunon Recent Developments/Updates

Table 110. Sunon Competitive Strengths & Weaknesses

Table 111. Delta Electronics, Inc Basic Information, Manufacturing Base and Competitors

Table 112. Delta Electronics, Inc Major Business

Table 113. Delta Electronics, Inc Direct-To-Chip Liquid Cold Plate Product and Services

Table 114. Delta Electronics, Inc Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Delta Electronics, Inc Recent Developments/Updates

Table 116. Delta Electronics, Inc Competitive Strengths & Weaknesses

Table 117. TaiSol Electronics Basic Information, Manufacturing Base and Competitors

Table 118. TaiSol Electronics Major Business

Table 119. TaiSol Electronics Direct-To-Chip Liquid Cold Plate Product and Services

Table 120. TaiSol Electronics Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. TaiSol Electronics Recent Developments/Updates

Table 122. TaiSol Electronics Competitive Strengths & Weaknesses

Table 123. Ecolab (CoolIT Systems) Basic Information, Manufacturing Base and Competitors

Table 124. Ecolab (CoolIT Systems) Major Business

Table 125. Ecolab (CoolIT Systems) Direct-To-Chip Liquid Cold Plate Product and Services

Table 126. Ecolab (CoolIT Systems) Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Ecolab (CoolIT Systems) Recent Developments/Updates

Table 128. Ecolab (CoolIT Systems) Competitive Strengths & Weaknesses

Table 129. Eaton (Boyd Thermal) Basic Information, Manufacturing Base and Competitors

Table 130. Eaton (Boyd Thermal) Major Business

Table 131. Eaton (Boyd Thermal) Direct-To-Chip Liquid Cold Plate Product and Services

Table 132. Eaton (Boyd Thermal) Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Eaton (Boyd Thermal) Recent Developments/Updates

Table 134. Eaton (Boyd Thermal) Competitive Strengths & Weaknesses

Table 135. JetCool Technologies Inc Basic Information, Manufacturing Base and Competitors

Table 136. JetCool Technologies Inc Major Business

Table 137. JetCool Technologies Inc Direct-To-Chip Liquid Cold Plate Product and Services

Table 138. JetCool Technologies Inc Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. JetCool Technologies Inc Recent Developments/Updates

Table 140. JetCool Technologies Inc Competitive Strengths & Weaknesses

Table 141. Chilldyne Basic Information, Manufacturing Base and Competitors

Table 142. Chilldyne Major Business

Table 143. Chilldyne Direct-To-Chip Liquid Cold Plate Product and Services

Table 144. Chilldyne Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Chilldyne Recent Developments/Updates

Table 146. Chilldyne Competitive Strengths & Weaknesses

Table 147. Motivair Corporation Basic Information, Manufacturing Base and Competitors

Table 148. Motivair Corporation Major Business

Table 149. Motivair Corporation Direct-To-Chip Liquid Cold Plate Product and Services

Table 150. Motivair Corporation Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Motivair Corporation Recent Developments/Updates

Table 152. Motivair Corporation Competitive Strengths & Weaknesses

Table 153. Advanced Cooling Technologies, Inc. (ACT) Basic Information, Manufacturing Base and Competitors

Table 154. Advanced Cooling Technologies, Inc. (ACT) Major Business

Table 155. Advanced Cooling Technologies, Inc. (ACT) Direct-To-Chip Liquid Cold Plate Product and Services

Table 156. Advanced Cooling Technologies, Inc. (ACT) Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Advanced Cooling Technologies, Inc. (ACT) Recent Developments/Updates

Table 158. Advanced Cooling Technologies, Inc. (ACT) Competitive Strengths & Weaknesses

Table 159. United Precision Technologies Co., Ltd. (UPT) Basic Information,

Manufacturing Base and Competitors

Table 160. United Precision Technologies Co., Ltd. (UPT) Major Business

Table 161. United Precision Technologies Co., Ltd. (UPT) Direct-To-Chip Liquid Cold Plate Product and Services

Table 162. United Precision Technologies Co., Ltd. (UPT) Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. United Precision Technologies Co., Ltd. (UPT) Recent Developments/Updates

Table 164. United Precision Technologies Co., Ltd. (UPT) Competitive Strengths & Weaknesses

Table 165. DCX Liquid Cooling Systems Basic Information, Manufacturing Base and Competitors

Table 166. DCX Liquid Cooling Systems Major Business

Table 167. DCX Liquid Cooling Systems Direct-To-Chip Liquid Cold Plate Product and Services

Table 168. DCX Liquid Cooling Systems Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. DCX Liquid Cooling Systems Recent Developments/Updates

Table 170. DCX Liquid Cooling Systems Competitive Strengths & Weaknesses

Table 171. Mikros Technologies Basic Information, Manufacturing Base and Competitors

Table 172. Mikros Technologies Major Business

Table 173. Mikros Technologies Direct-To-Chip Liquid Cold Plate Product and Services

Table 174. Mikros Technologies Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Mikros Technologies Recent Developments/Updates

Table 176. Mikros Technologies Competitive Strengths & Weaknesses

Table 177. Frore Systems Basic Information, Manufacturing Base and Competitors

Table 178. Frore Systems Major Business

Table 179. Frore Systems Direct-To-Chip Liquid Cold Plate Product and Services

Table 180. Frore Systems Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Frore Systems Recent Developments/Updates

Table 182. Frore Systems Competitive Strengths & Weaknesses

Table 183. Alloy Enterprises Basic Information, Manufacturing Base and Competitors

Table 184. Alloy Enterprises Major Business

Table 185. Alloy Enterprises Direct-To-Chip Liquid Cold Plate Product and Services

Table 186. Alloy Enterprises Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Alloy Enterprises Recent Developments/Updates

Table 188. Alloy Enterprises Competitive Strengths & Weaknesses

Table 189. Jentech Precision Industrial Basic Information, Manufacturing Base and Competitors

Table 190. Jentech Precision Industrial Major Business

Table 191. Jentech Precision Industrial Direct-To-Chip Liquid Cold Plate Product and Services

Table 192. Jentech Precision Industrial Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Jentech Precision Industrial Recent Developments/Updates

Table 194. Jentech Precision Industrial Competitive Strengths & Weaknesses

Table 195. Advanced Thermal Solutions, Inc. (ATS) Basic Information, Manufacturing Base and Competitors

Table 196. Advanced Thermal Solutions, Inc. (ATS) Major Business

Table 197. Advanced Thermal Solutions, Inc. (ATS) Direct-To-Chip Liquid Cold Plate Product and Services

Table 198. Advanced Thermal Solutions, Inc. (ATS) Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. Advanced Thermal Solutions, Inc. (ATS) Recent Developments/Updates

Table 200. Advanced Thermal Solutions, Inc. (ATS) Competitive Strengths & Weaknesses

Table 201. ZutaCore Basic Information, Manufacturing Base and Competitors

Table 202. ZutaCore Major Business

Table 203. ZutaCore Direct-To-Chip Liquid Cold Plate Product and Services

Table 204. ZutaCore Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 205. ZutaCore Recent Developments/Updates

Table 206. ZutaCore Competitive Strengths & Weaknesses

Table 207. Nidec Basic Information, Manufacturing Base and Competitors

Table 208. Nidec Major Business

Table 209. Nidec Direct-To-Chip Liquid Cold Plate Product and Services

Table 210. Nidec Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 211. Nidec Recent Developments/Updates

Table 212. Nidec Competitive Strengths & Weaknesses

Table 213. Shenzhen Cotran New Material Basic Information, Manufacturing Base and Competitors

Table 214. Shenzhen Cotran New Material Major Business

Table 215. Shenzhen Cotran New Material Direct-To-Chip Liquid Cold Plate Product and Services

Table 216. Shenzhen Cotran New Material Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 217. Shenzhen Cotran New Material Recent Developments/Updates

Table 218. Shenzhen Cotran New Material Competitive Strengths & Weaknesses

Table 219. Shenzhen FRD Basic Information, Manufacturing Base and Competitors

Table 220. Shenzhen FRD Major Business

Table 221. Shenzhen FRD Direct-To-Chip Liquid Cold Plate Product and Services

Table 222. Shenzhen FRD Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 223. Shenzhen FRD Recent Developments/Updates

Table 224. Shenzhen FRD Competitive Strengths & Weaknesses

Table 225. Shenzhen Envicool Technology Basic Information, Manufacturing Base and Competitors

Table 226. Shenzhen Envicool Technology Major Business

Table 227. Shenzhen Envicool Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 228. Shenzhen Envicool Technology Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 229. Shenzhen Envicool Technology Recent Developments/Updates

Table 230. Shenzhen Envicool Technology Competitive Strengths & Weaknesses

Table 231. JONHON OPTRONIC TECHNOLOGY Basic Information, Manufacturing Base and Competitors

Table 232. JONHON OPTRONIC TECHNOLOGY Major Business

Table 233. JONHON OPTRONIC TECHNOLOGY Direct-To-Chip Liquid Cold Plate Product and Services

Table 234. JONHON OPTRONIC TECHNOLOGY Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and

Market Share (2021-2026)

Table 235. JONHON OPTRONIC TECHNOLOGY Recent Developments/Updates

Table 236. JONHON OPTRONIC TECHNOLOGY Competitive Strengths & Weaknesses

Table 237. Shenglan Technology Basic Information, Manufacturing Base and Competitors

Table 238. Shenglan Technology Major Business

Table 239. Shenglan Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 240. Shenglan Technology Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 241. Shenglan Technology Recent Developments/Updates

Table 242. Shenglan Technology Competitive Strengths & Weaknesses

Table 243. BEEHE TECHNOLOGY Basic Information, Manufacturing Base and Competitors

Table 244. BEEHE TECHNOLOGY Major Business

Table 245. BEEHE TECHNOLOGY Direct-To-Chip Liquid Cold Plate Product and Services

Table 246. BEEHE TECHNOLOGY Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 247. BEEHE TECHNOLOGY Recent Developments/Updates

Table 248. BEEHE TECHNOLOGY Competitive Strengths & Weaknesses

Table 249. Vekooler Technology Basic Information, Manufacturing Base and Competitors

Table 250. Vekooler Technology Major Business

Table 251. Vekooler Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 252. Vekooler Technology Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 253. Vekooler Technology Recent Developments/Updates

Table 254. Vekooler Technology Competitive Strengths & Weaknesses

Table 255. Haite Xinke New Materials Technology Basic Information, Manufacturing Base and Competitors

Table 256. Haite Xinke New Materials Technology Major Business

Table 257. Haite Xinke New Materials Technology Direct-To-Chip Liquid Cold Plate Product and Services

Table 258. Haite Xinke New Materials Technology Direct-To-Chip Liquid Cold Plate

Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 259. Haite Xinke New Materials Technology Recent Developments/Updates

Table 260. Haite Xinke New Materials Technology Competitive Strengths & Weaknesses

Table 261. General Connectivity System Basic Information, Manufacturing Base and Competitors

Table 262. General Connectivity System Major Business

Table 263. General Connectivity System Direct-To-Chip Liquid Cold Plate Product and Services

Table 264. General Connectivity System Direct-To-Chip Liquid Cold Plate Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 265. General Connectivity System Recent Developments/Updates

Table 266. General Connectivity System Competitive Strengths & Weaknesses

Table 267. Global Key Players of Direct-To-Chip Liquid Cold Plate Upstream (Raw Materials)

Table 268. Global Direct-To-Chip Liquid Cold Plate Typical Customers

Table 269. Direct-To-Chip Liquid Cold Plate Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Direct-To-Chip Liquid Cold Plate Picture

Figure 2. World Direct-To-Chip Liquid Cold Plate Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Direct-To-Chip Liquid Cold Plate Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 5. World Direct-To-Chip Liquid Cold Plate Average Price (2021-2032) & (US\$/Pcs)

Figure 6. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Region (2021-2032)

Figure 7. World Direct-To-Chip Liquid Cold Plate Production Market Share by Region (2021-2032)

Figure 8. North America Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 9. Europe Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 10. China Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 11. Japan Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 12. China Taiwan Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 13. Southeast Asia Direct-To-Chip Liquid Cold Plate Production (2021-2032) & (K Pcs)

Figure 14. Direct-To-Chip Liquid Cold Plate Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 17. World Direct-To-Chip Liquid Cold Plate Consumption Market Share by Region (2021-2032)

Figure 18. United States Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 19. China Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 20. Europe Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 21. Japan Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 22. South Korea Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 23. ASEAN Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K

Pcs)

Figure 24. India Direct-To-Chip Liquid Cold Plate Consumption (2021-2032) & (K Pcs)

Figure 25. Producer Shipments of Direct-To-Chip Liquid Cold Plate by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Direct-To-Chip Liquid Cold Plate Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Direct-To-Chip Liquid Cold Plate Markets in 2025

Figure 28. United States VS China: Direct-To-Chip Liquid Cold Plate Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Direct-To-Chip Liquid Cold Plate Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Direct-To-Chip Liquid Cold Plate Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share 2025

Figure 32. China Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Direct-To-Chip Liquid Cold Plate Production Market Share 2025

Figure 34. World Direct-To-Chip Liquid Cold Plate Production Value by Material, (USD Million), 2021 & 2025 & 2032

Figure 35. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Material in 2025

Figure 36. Copper Cold Plate

Figure 37. Copper+Aluminum Cold Plate

Figure 38. Others

Figure 39. World Direct-To-Chip Liquid Cold Plate Production Market Share by Material (2021-2032)

Figure 40. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Material (2021-2032)

Figure 41. World Direct-To-Chip Liquid Cold Plate Average Price by Material (2021-2032) & (US\$/Pcs)

Figure 42. World Direct-To-Chip Liquid Cold Plate Production Value by Heat Transfer Mechanism, (USD Million), 2021 & 2025 & 2032

Figure 43. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Heat Transfer Mechanism in 2025

Figure 44. Single-Phase Cold Plate

Figure 45. Two-Phase Cold Plate

Figure 46. World Direct-To-Chip Liquid Cold Plate Production Market Share by Heat Transfer Mechanism (2021-2032)

Figure 47. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Heat Transfer Mechanism (2021-2032)

Figure 48. World Direct-To-Chip Liquid Cold Plate Average Price by Heat Transfer Mechanism (2021-2032) & (US\$/Pcs)

Figure 49. World Direct-To-Chip Liquid Cold Plate Production Value by Server Type, (USD Million), 2021 & 2025 & 2032

Figure 50. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Server Type in 2025

Figure 51. AI Liquid Cooling Server

Figure 52. General-Purpose Liquid Cooling Server

Figure 53. World Direct-To-Chip Liquid Cold Plate Production Market Share by Server Type (2021-2032)

Figure 54. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Server Type (2021-2032)

Figure 55. World Direct-To-Chip Liquid Cold Plate Average Price by Server Type (2021-2032) & (US\$/Pcs)

Figure 56. World Direct-To-Chip Liquid Cold Plate Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Application in 2025

Figure 58. GPU Cold Plate

Figure 59. CPU Cold Plate

Figure 60. ASIC Cold Plate

Figure 61. DIMM Cold Plate

Figure 62. Others

Figure 63. World Direct-To-Chip Liquid Cold Plate Production Market Share by Application (2021-2032)

Figure 64. World Direct-To-Chip Liquid Cold Plate Production Value Market Share by Application (2021-2032)

Figure 65. World Direct-To-Chip Liquid Cold Plate Average Price by Application (2021-2032) & (US\$/Pcs)

Figure 66. Direct-To-Chip Liquid Cold Plate Industry Chain

Figure 67. Direct-To-Chip Liquid Cold Plate Procurement Model

Figure 68. Direct-To-Chip Liquid Cold Plate Sales Model

Figure 69. Direct-To-Chip Liquid Cold Plate Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global Direct-To-Chip Liquid Cold Plate Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GC33905C60EFEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC33905C60EFEN.html>