

Global Automotive Grade RISC-V Chip Market Growth 2026-2032

<https://marketpublishers.com/r/GEA85E07B82BEN.html>

Date: June 2026

Pages: 123

Price: US\$ 3,660.00 (Single User License)

ID: GEA85E07B82BEN

Abstracts

The global Automotive Grade RISC-V Chip market size is predicted to grow from US\$ 1945 million in 2025 to US\$ 2946 million in 2032; it is expected to grow at a CAGR of 6.2% from 2026 to 2032.

Automotive-grade RISC-V chips are processor chips based on the RISC-V architecture, designed specifically for automotive electronic systems, in line with automotive-grade standards, with stable operation and powerful processing capabilities. They are suitable for automotive applications such as smart cockpits, body control, powertrains, and ADAS, and have safety features and fail-safe capabilities. The development of automotive-grade RISC-V chips has promoted the process of autonomous control and localization of automotive chips.

United States market for Automotive Grade RISC-V Chip is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Automotive Grade RISC-V Chip is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Automotive Grade RISC-V Chip is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automotive Grade RISC-V Chip players cover Infineon, Kneron, Mobileye(Intel), Microchip Technology, Wuhan Binary Semiconductor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Automotive Grade RISC-V Chip

Industry Forecast? looks at past sales and reviews total world Automotive Grade RISC-V Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive Grade RISC-V Chip sales for 2026 through 2032. With Automotive Grade RISC-V Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Grade RISC-V Chip industry.

This Insight Report provides a comprehensive analysis of the global Automotive Grade RISC-V Chip landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive Grade RISC-V Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Grade RISC-V Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Grade RISC-V Chip and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive Grade RISC-V Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Grade RISC-V Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

MCU

SoC

ASIC

Segmentation by Application:

Passenger Cars

Commercial Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Infineon

Kneron

Mobileye(Intel)

Microchip Technology

Wuhan Binary Semiconductor

Shanghai HPMicro Semiconductor

Nanjing Cercis Semiconductor

Beijing ESWIN Computing Technology

Suzhou ChipEXT Semiconductor

Shanghai Chipvtech

Shanghai Chipways Communications Technology

Beijing Horizon Robotics Technology R&D

Black Sesame Technologies

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Grade RISC-V Chip market?

What factors are driving Automotive Grade RISC-V Chip market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive Grade RISC-V Chip market opportunities vary by end market size?

How does Automotive Grade RISC-V Chip break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Automotive Grade RISC-V Chip Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Automotive Grade RISC-V Chip by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Automotive Grade RISC-V Chip by Country/Region, 2021, 2025 & 2032
- 2.2 Automotive Grade RISC-V Chip Segment by Type
 - 2.2.1 MCU
 - 2.2.2 SoC
 - 2.2.3 ASIC
 - 2.2.4 Automotive Grade RISC-V Chip Sales by Type
 - 2.2.4.1 Global Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Automotive Grade RISC-V Chip Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Automotive Grade RISC-V Chip Sale Price by Type (2021-2026)
- 2.3 Automotive Grade RISC-V Chip Segment by Application
 - 2.3.1 Passenger Cars
 - 2.3.2 Commercial Vehicles
 - 2.3.3 Automotive Grade RISC-V Chip Sales by Application
 - 2.3.3.1 Global Automotive Grade RISC-V Chip Sale Market Share by Application (2021-2026)
 - 2.3.3.2 Global Automotive Grade RISC-V Chip Revenue and Market Share by Application (2021-2026)

2.3.3.3 Global Automotive Grade RISC-V Chip Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Automotive Grade RISC-V Chip Breakdown Data by Company

3.1.1 Global Automotive Grade RISC-V Chip Annual Sales by Company (2021-2026)

3.1.2 Global Automotive Grade RISC-V Chip Sales Market Share by Company (2021-2026)

3.2 Global Automotive Grade RISC-V Chip Annual Revenue by Company (2021-2026)

3.2.1 Global Automotive Grade RISC-V Chip Revenue by Company (2021-2026)

3.2.2 Global Automotive Grade RISC-V Chip Revenue Market Share by Company (2021-2026)

3.3 Global Automotive Grade RISC-V Chip Sale Price by Company

3.4 Key Manufacturers Automotive Grade RISC-V Chip Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Grade RISC-V Chip Product Location Distribution

3.4.2 Players Automotive Grade RISC-V Chip Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE GRADE RISC-V CHIP BY GEOGRAPHIC REGION

4.1 World Historic Automotive Grade RISC-V Chip Market Size by Geographic Region (2021-2026)

4.1.1 Global Automotive Grade RISC-V Chip Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Automotive Grade RISC-V Chip Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Automotive Grade RISC-V Chip Market Size by Country/Region (2021-2026)

4.2.1 Global Automotive Grade RISC-V Chip Annual Sales by Country/Region (2021-2026)

4.2.2 Global Automotive Grade RISC-V Chip Annual Revenue by Country/Region (2021-2026)

4.3 Americas Automotive Grade RISC-V Chip Sales Growth

- 4.4 APAC Automotive Grade RISC-V Chip Sales Growth
- 4.5 Europe Automotive Grade RISC-V Chip Sales Growth
- 4.6 Middle East & Africa Automotive Grade RISC-V Chip Sales Growth

5 AMERICAS

- 5.1 Americas Automotive Grade RISC-V Chip Sales by Country
 - 5.1.1 Americas Automotive Grade RISC-V Chip Sales by Country (2021-2026)
 - 5.1.2 Americas Automotive Grade RISC-V Chip Revenue by Country (2021-2026)
- 5.2 Americas Automotive Grade RISC-V Chip Sales by Type (2021-2026)
- 5.3 Americas Automotive Grade RISC-V Chip Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Automotive Grade RISC-V Chip Sales by Region
 - 6.1.1 APAC Automotive Grade RISC-V Chip Sales by Region (2021-2026)
 - 6.1.2 APAC Automotive Grade RISC-V Chip Revenue by Region (2021-2026)
- 6.2 APAC Automotive Grade RISC-V Chip Sales by Type (2021-2026)
- 6.3 APAC Automotive Grade RISC-V Chip Sales by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Automotive Grade RISC-V Chip by Country
 - 7.1.1 Europe Automotive Grade RISC-V Chip Sales by Country (2021-2026)
 - 7.1.2 Europe Automotive Grade RISC-V Chip Revenue by Country (2021-2026)
- 7.2 Europe Automotive Grade RISC-V Chip Sales by Type (2021-2026)
- 7.3 Europe Automotive Grade RISC-V Chip Sales by Application (2021-2026)
- 7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Automotive Grade RISC-V Chip by Country

8.1.1 Middle East & Africa Automotive Grade RISC-V Chip Sales by Country
(2021-2026)

8.1.2 Middle East & Africa Automotive Grade RISC-V Chip Revenue by Country
(2021-2026)

8.2 Middle East & Africa Automotive Grade RISC-V Chip Sales by Type (2021-2026)

8.3 Middle East & Africa Automotive Grade RISC-V Chip Sales by Application
(2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Automotive Grade RISC-V Chip

10.3 Manufacturing Process Analysis of Automotive Grade RISC-V Chip

10.4 Industry Chain Structure of Automotive Grade RISC-V Chip

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Automotive Grade RISC-V Chip Distributors

11.3 Automotive Grade RISC-V Chip Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE GRADE RISC-V CHIP BY GEOGRAPHIC REGION

12.1 Global Automotive Grade RISC-V Chip Market Size Forecast by Region

12.1.1 Global Automotive Grade RISC-V Chip Forecast by Region (2027-2032)

12.1.2 Global Automotive Grade RISC-V Chip Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Automotive Grade RISC-V Chip Forecast by Type (2027-2032)

12.7 Global Automotive Grade RISC-V Chip Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Infineon

13.1.1 Infineon Company Information

13.1.2 Infineon Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.1.3 Infineon Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Infineon Main Business Overview

13.1.5 Infineon Latest Developments

13.2 Kneron

13.2.1 Kneron Company Information

13.2.2 Kneron Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.2.3 Kneron Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Kneron Main Business Overview

13.2.5 Kneron Latest Developments

13.3 Mobileye(Intel)

13.3.1 Mobileye(Intel) Company Information

13.3.2 Mobileye(Intel) Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.3.3 Mobileye(Intel) Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.3.4 Mobileye(Intel) Main Business Overview
- 13.3.5 Mobileye(Intel) Latest Developments
- 13.4 Microchip Technology
 - 13.4.1 Microchip Technology Company Information
 - 13.4.2 Microchip Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications
 - 13.4.3 Microchip Technology Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 Microchip Technology Main Business Overview
 - 13.4.5 Microchip Technology Latest Developments
- 13.5 Wuhan Binary Semiconductor
 - 13.5.1 Wuhan Binary Semiconductor Company Information
 - 13.5.2 Wuhan Binary Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications
 - 13.5.3 Wuhan Binary Semiconductor Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 Wuhan Binary Semiconductor Main Business Overview
 - 13.5.5 Wuhan Binary Semiconductor Latest Developments
- 13.6 Shanghai HPMicro Semiconductor
 - 13.6.1 Shanghai HPMicro Semiconductor Company Information
 - 13.6.2 Shanghai HPMicro Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications
 - 13.6.3 Shanghai HPMicro Semiconductor Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 Shanghai HPMicro Semiconductor Main Business Overview
 - 13.6.5 Shanghai HPMicro Semiconductor Latest Developments
- 13.7 Nanjing Cercis Semiconductor
 - 13.7.1 Nanjing Cercis Semiconductor Company Information
 - 13.7.2 Nanjing Cercis Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications
 - 13.7.3 Nanjing Cercis Semiconductor Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Nanjing Cercis Semiconductor Main Business Overview
 - 13.7.5 Nanjing Cercis Semiconductor Latest Developments
- 13.8 Beijing ESWIN Computing Technology
 - 13.8.1 Beijing ESWIN Computing Technology Company Information
 - 13.8.2 Beijing ESWIN Computing Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications
 - 13.8.3 Beijing ESWIN Computing Technology Automotive Grade RISC-V Chip Sales,

Revenue, Price and Gross Margin (2021-2026)

13.8.4 Beijing ESWIN Computing Technology Main Business Overview

13.8.5 Beijing ESWIN Computing Technology Latest Developments

13.9 Suzhou ChipEXT Semiconductor

13.9.1 Suzhou ChipEXT Semiconductor Company Information

13.9.2 Suzhou ChipEXT Semiconductor Automotive Grade RISC-V Chip Product

Portfolios and Specifications

13.9.3 Suzhou ChipEXT Semiconductor Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Suzhou ChipEXT Semiconductor Main Business Overview

13.9.5 Suzhou ChipEXT Semiconductor Latest Developments

13.10 Shanghai Chipvtech

13.10.1 Shanghai Chipvtech Company Information

13.10.2 Shanghai Chipvtech Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.10.3 Shanghai Chipvtech Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Shanghai Chipvtech Main Business Overview

13.10.5 Shanghai Chipvtech Latest Developments

13.11 Shanghai Chipways Communications Technology

13.11.1 Shanghai Chipways Communications Technology Company Information

13.11.2 Shanghai Chipways Communications Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.11.3 Shanghai Chipways Communications Technology Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Shanghai Chipways Communications Technology Main Business Overview

13.11.5 Shanghai Chipways Communications Technology Latest Developments

13.12 Beijing Horizon Robotics Technology R&D

13.12.1 Beijing Horizon Robotics Technology R&D Company Information

13.12.2 Beijing Horizon Robotics Technology R&D Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.12.3 Beijing Horizon Robotics Technology R&D Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Beijing Horizon Robotics Technology R&D Main Business Overview

13.12.5 Beijing Horizon Robotics Technology R&D Latest Developments

13.13 Black Sesame Technologies

13.13.1 Black Sesame Technologies Company Information

13.13.2 Black Sesame Technologies Automotive Grade RISC-V Chip Product Portfolios and Specifications

13.13.3 Black Sesame Technologies Automotive Grade RISC-V Chip Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Black Sesame Technologies Main Business Overview

13.13.5 Black Sesame Technologies Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Automotive Grade RISC-V Chip Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Automotive Grade RISC-V Chip Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of MCU

Table 4. Major Players of SoC

Table 5. Major Players of ASIC

Table 6. Global Automotive Grade RISC-V Chip Sales by Type (2021-2026) & (Million Units)

Table 7. Global Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)

Table 8. Global Automotive Grade RISC-V Chip Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Automotive Grade RISC-V Chip Revenue Market Share by Type (2021-2026)

Table 10. Global Automotive Grade RISC-V Chip Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Global Automotive Grade RISC-V Chip Sale by Application (2021-2026) & (Million Units)

Table 12. Global Automotive Grade RISC-V Chip Sale Market Share by Application (2021-2026)

Table 13. Global Automotive Grade RISC-V Chip Revenue by Application (2021-2026) & (\$ million)

Table 14. Global Automotive Grade RISC-V Chip Revenue Market Share by Application (2021-2026)

Table 15. Global Automotive Grade RISC-V Chip Sale Price by Application (2021-2026) & (US\$/Unit)

Table 16. Global Automotive Grade RISC-V Chip Sales by Company (2021-2026) & (Million Units)

Table 17. Global Automotive Grade RISC-V Chip Sales Market Share by Company (2021-2026)

Table 18. Global Automotive Grade RISC-V Chip Revenue by Company (2021-2026) & (\$ millions)

Table 19. Global Automotive Grade RISC-V Chip Revenue Market Share by Company (2021-2026)

Table 20. Global Automotive Grade RISC-V Chip Sale Price by Company (2021-2026) & (US\$/Unit)

Table 21. Key Manufacturers Automotive Grade RISC-V Chip Producing Area Distribution and Sales Area

Table 22. Players Automotive Grade RISC-V Chip Products Offered

Table 23. Automotive Grade RISC-V Chip Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Automotive Grade RISC-V Chip Sales by Geographic Region (2021-2026) & (Million Units)

Table 27. Global Automotive Grade RISC-V Chip Sales Market Share Geographic Region (2021-2026)

Table 28. Global Automotive Grade RISC-V Chip Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 29. Global Automotive Grade RISC-V Chip Revenue Market Share by Geographic Region (2021-2026)

Table 30. Global Automotive Grade RISC-V Chip Sales by Country/Region (2021-2026) & (Million Units)

Table 31. Global Automotive Grade RISC-V Chip Sales Market Share by Country/Region (2021-2026)

Table 32. Global Automotive Grade RISC-V Chip Revenue by Country/Region (2021-2026) & (\$ millions)

Table 33. Global Automotive Grade RISC-V Chip Revenue Market Share by Country/Region (2021-2026)

Table 34. Americas Automotive Grade RISC-V Chip Sales by Country (2021-2026) & (Million Units)

Table 35. Americas Automotive Grade RISC-V Chip Sales Market Share by Country (2021-2026)

Table 36. Americas Automotive Grade RISC-V Chip Revenue by Country (2021-2026) & (\$ millions)

Table 37. Americas Automotive Grade RISC-V Chip Sales by Type (2021-2026) & (Million Units)

Table 38. Americas Automotive Grade RISC-V Chip Sales by Application (2021-2026) & (Million Units)

Table 39. APAC Automotive Grade RISC-V Chip Sales by Region (2021-2026) & (Million Units)

Table 40. APAC Automotive Grade RISC-V Chip Sales Market Share by Region (2021-2026)

- Table 41. APAC Automotive Grade RISC-V Chip Revenue by Region (2021-2026) & (\$ millions)
- Table 42. APAC Automotive Grade RISC-V Chip Sales by Type (2021-2026) & (Million Units)
- Table 43. APAC Automotive Grade RISC-V Chip Sales by Application (2021-2026) & (Million Units)
- Table 44. Europe Automotive Grade RISC-V Chip Sales by Country (2021-2026) & (Million Units)
- Table 45. Europe Automotive Grade RISC-V Chip Revenue by Country (2021-2026) & (\$ millions)
- Table 46. Europe Automotive Grade RISC-V Chip Sales by Type (2021-2026) & (Million Units)
- Table 47. Europe Automotive Grade RISC-V Chip Sales by Application (2021-2026) & (Million Units)
- Table 48. Middle East & Africa Automotive Grade RISC-V Chip Sales by Country (2021-2026) & (Million Units)
- Table 49. Middle East & Africa Automotive Grade RISC-V Chip Revenue Market Share by Country (2021-2026)
- Table 50. Middle East & Africa Automotive Grade RISC-V Chip Sales by Type (2021-2026) & (Million Units)
- Table 51. Middle East & Africa Automotive Grade RISC-V Chip Sales by Application (2021-2026) & (Million Units)
- Table 52. Key Market Drivers & Growth Opportunities of Automotive Grade RISC-V Chip
- Table 53. Key Market Challenges & Risks of Automotive Grade RISC-V Chip
- Table 54. Key Industry Trends of Automotive Grade RISC-V Chip
- Table 55. Automotive Grade RISC-V Chip Raw Material
- Table 56. Key Suppliers of Raw Materials
- Table 57. Automotive Grade RISC-V Chip Distributors List
- Table 58. Automotive Grade RISC-V Chip Customer List
- Table 59. Global Automotive Grade RISC-V Chip Sales Forecast by Region (2027-2032) & (Million Units)
- Table 60. Global Automotive Grade RISC-V Chip Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 61. Americas Automotive Grade RISC-V Chip Sales Forecast by Country (2027-2032) & (Million Units)
- Table 62. Americas Automotive Grade RISC-V Chip Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 63. APAC Automotive Grade RISC-V Chip Sales Forecast by Region (2027-2032)

& (Million Units)

Table 64. APAC Automotive Grade RISC-V Chip Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 65. Europe Automotive Grade RISC-V Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 66. Europe Automotive Grade RISC-V Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 67. Middle East & Africa Automotive Grade RISC-V Chip Sales Forecast by Country (2027-2032) & (Million Units)

Table 68. Middle East & Africa Automotive Grade RISC-V Chip Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 69. Global Automotive Grade RISC-V Chip Sales Forecast by Type (2027-2032) & (Million Units)

Table 70. Global Automotive Grade RISC-V Chip Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 71. Global Automotive Grade RISC-V Chip Sales Forecast by Application (2027-2032) & (Million Units)

Table 72. Global Automotive Grade RISC-V Chip Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 73. Infineon Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 74. Infineon Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 75. Infineon Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 76. Infineon Main Business

Table 77. Infineon Latest Developments

Table 78. Kneron Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 79. Kneron Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 80. Kneron Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 81. Kneron Main Business

Table 82. Kneron Latest Developments

Table 83. Mobileye(Intel) Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 84. Mobileye(Intel) Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 85. Mobileye(Intel) Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 86. Mobileye(Intel) Main Business

Table 87. Mobileye(Intel) Latest Developments

Table 88. Microchip Technology Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 89. Microchip Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 90. Microchip Technology Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 91. Microchip Technology Main Business

Table 92. Microchip Technology Latest Developments

Table 93. Wuhan Binary Semiconductor Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 94. Wuhan Binary Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 95. Wuhan Binary Semiconductor Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 96. Wuhan Binary Semiconductor Main Business

Table 97. Wuhan Binary Semiconductor Latest Developments

Table 98. Shanghai HPMicro Semiconductor Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 99. Shanghai HPMicro Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 100. Shanghai HPMicro Semiconductor Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 101. Shanghai HPMicro Semiconductor Main Business

Table 102. Shanghai HPMicro Semiconductor Latest Developments

Table 103. Nanjing Cercis Semiconductor Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 104. Nanjing Cercis Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 105. Nanjing Cercis Semiconductor Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 106. Nanjing Cercis Semiconductor Main Business

Table 107. Nanjing Cercis Semiconductor Latest Developments

Table 108. Beijing ESWIN Computing Technology Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 109. Beijing ESWIN Computing Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 110. Beijing ESWIN Computing Technology Automotive Grade RISC-V Chip

Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 111. Beijing ESWIN Computing Technology Main Business

Table 112. Beijing ESWIN Computing Technology Latest Developments

Table 113. Suzhou ChipEXT Semiconductor Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 114. Suzhou ChipEXT Semiconductor Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 115. Suzhou ChipEXT Semiconductor Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 116. Suzhou ChipEXT Semiconductor Main Business

Table 117. Suzhou ChipEXT Semiconductor Latest Developments

Table 118. Shanghai Chipvtech Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 119. Shanghai Chipvtech Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 120. Shanghai Chipvtech Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 121. Shanghai Chipvtech Main Business

Table 122. Shanghai Chipvtech Latest Developments

Table 123. Shanghai Chipways Communications Technology Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 124. Shanghai Chipways Communications Technology Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 125. Shanghai Chipways Communications Technology Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 126. Shanghai Chipways Communications Technology Main Business

Table 127. Shanghai Chipways Communications Technology Latest Developments

Table 128. Beijing Horizon Robotics Technology R&D Basic Information, Automotive Grade RISC-V Chip Manufacturing Base, Sales Area and Its Competitors

Table 129. Beijing Horizon Robotics Technology R&D Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 130. Beijing Horizon Robotics Technology R&D Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 131. Beijing Horizon Robotics Technology R&D Main Business

Table 132. Beijing Horizon Robotics Technology R&D Latest Developments

Table 133. Black Sesame Technologies Basic Information, Automotive Grade RISC-V

Chip Manufacturing Base, Sales Area and Its Competitors

Table 134. Black Sesame Technologies Automotive Grade RISC-V Chip Product Portfolios and Specifications

Table 135. Black Sesame Technologies Automotive Grade RISC-V Chip Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 136. Black Sesame Technologies Main Business

Table 137. Black Sesame Technologies Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Automotive Grade RISC-V Chip
- Figure 2. Automotive Grade RISC-V Chip Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Automotive Grade RISC-V Chip Sales Growth Rate 2021-2032 (Million Units)
- Figure 7. Global Automotive Grade RISC-V Chip Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Automotive Grade RISC-V Chip Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Automotive Grade RISC-V Chip Sales Market Share by Country/Region (2025)
- Figure 10. Automotive Grade RISC-V Chip Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of MCU
- Figure 12. Product Picture of SoC
- Figure 13. Product Picture of ASIC
- Figure 14. Global Automotive Grade RISC-V Chip Sales Market Share by Type in 2026
- Figure 15. Global Automotive Grade RISC-V Chip Revenue Market Share by Type (2021-2026)
- Figure 16. Automotive Grade RISC-V Chip Consumed in Passenger Cars
- Figure 17. Global Automotive Grade RISC-V Chip Market: Passenger Cars (2021-2026) & (Million Units)
- Figure 18. Automotive Grade RISC-V Chip Consumed in Commercial Vehicles
- Figure 19. Global Automotive Grade RISC-V Chip Market: Commercial Vehicles (2021-2026) & (Million Units)
- Figure 20. Global Automotive Grade RISC-V Chip Sale Market Share by Application (2025)
- Figure 21. Global Automotive Grade RISC-V Chip Revenue Market Share by Application in 2026
- Figure 22. Automotive Grade RISC-V Chip Sales by Company in 2026 (Million Units)
- Figure 23. Global Automotive Grade RISC-V Chip Sales Market Share by Company in 2026
- Figure 24. Automotive Grade RISC-V Chip Revenue by Company in 2026 (\$ millions)

Figure 25. Global Automotive Grade RISC-V Chip Revenue Market Share by Company in 2026

Figure 26. Global Automotive Grade RISC-V Chip Sales Market Share by Geographic Region (2021-2026)

Figure 27. Global Automotive Grade RISC-V Chip Revenue Market Share by Geographic Region in 2026

Figure 28. Americas Automotive Grade RISC-V Chip Sales 2021-2026 (Million Units)

Figure 29. Americas Automotive Grade RISC-V Chip Revenue 2021-2026 (\$ millions)

Figure 30. APAC Automotive Grade RISC-V Chip Sales 2021-2026 (Million Units)

Figure 31. APAC Automotive Grade RISC-V Chip Revenue 2021-2026 (\$ millions)

Figure 32. Europe Automotive Grade RISC-V Chip Sales 2021-2026 (Million Units)

Figure 33. Europe Automotive Grade RISC-V Chip Revenue 2021-2026 (\$ millions)

Figure 34. Middle East & Africa Automotive Grade RISC-V Chip Sales 2021-2026 (Million Units)

Figure 35. Middle East & Africa Automotive Grade RISC-V Chip Revenue 2021-2026 (\$ millions)

Figure 36. Americas Automotive Grade RISC-V Chip Sales Market Share by Country in 2026

Figure 37. Americas Automotive Grade RISC-V Chip Revenue Market Share by Country (2021-2026)

Figure 38. Americas Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)

Figure 39. Americas Automotive Grade RISC-V Chip Sales Market Share by Application (2021-2026)

Figure 40. United States Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 41. Canada Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 42. Mexico Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 43. Brazil Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 44. APAC Automotive Grade RISC-V Chip Sales Market Share by Region in 2026

Figure 45. APAC Automotive Grade RISC-V Chip Revenue Market Share by Region (2021-2026)

Figure 46. APAC Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)

Figure 47. APAC Automotive Grade RISC-V Chip Sales Market Share by Application

(2021-2026)

Figure 48. China Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 49. Japan Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 50. South Korea Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 51. Southeast Asia Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 52. India Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 53. Australia Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 54. China Taiwan Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 55. Europe Automotive Grade RISC-V Chip Sales Market Share by Country in 2026

Figure 56. Europe Automotive Grade RISC-V Chip Revenue Market Share by Country (2021-2026)

Figure 57. Europe Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)

Figure 58. Europe Automotive Grade RISC-V Chip Sales Market Share by Application (2021-2026)

Figure 59. Germany Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 60. France Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 61. UK Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 62. Italy Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 63. Russia Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 64. Middle East & Africa Automotive Grade RISC-V Chip Sales Market Share by Country (2021-2026)

Figure 65. Middle East & Africa Automotive Grade RISC-V Chip Sales Market Share by Type (2021-2026)

Figure 66. Middle East & Africa Automotive Grade RISC-V Chip Sales Market Share by Application (2021-2026)

Figure 67. Egypt Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 68. South Africa Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 69. Israel Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 70. Turkey Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 71. GCC Countries Automotive Grade RISC-V Chip Revenue Growth 2021-2026 (\$ millions)

Figure 72. Manufacturing Cost Structure Analysis of Automotive Grade RISC-V Chip in 2026

Figure 73. Manufacturing Process Analysis of Automotive Grade RISC-V Chip

Figure 74. Industry Chain Structure of Automotive Grade RISC-V Chip

Figure 75. Channels of Distribution

Figure 76. Global Automotive Grade RISC-V Chip Sales Market Forecast by Region (2027-2032)

Figure 77. Global Automotive Grade RISC-V Chip Revenue Market Share Forecast by Region (2027-2032)

Figure 78. Global Automotive Grade RISC-V Chip Sales Market Share Forecast by Type (2027-2032)

Figure 79. Global Automotive Grade RISC-V Chip Revenue Market Share Forecast by Type (2027-2032)

Figure 80. Global Automotive Grade RISC-V Chip Sales Market Share Forecast by Application (2027-2032)

Figure 81. Global Automotive Grade RISC-V Chip Revenue Market Share Forecast by Application (2027-2032)

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