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Global Automobile Grade IC Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Automobile Grade IC market size was valued at US$ million in 2025 and is forecast to a readjusted size of US$ million by 2032 with a CAGR of %during review period.

Automotive-grade IC refers to integrated circuits (Integrated Circuits, ICs) that comply with the specifications and standards of the automotive industry. These ICs are specifically designed for use in automotive electronic systems and therefore need to meet stringent safety, reliability and environmental suitability requirements. The automotive industry's needs for integrated circuits are very different from general consumer electronics. Automotive electronic systems need to be able to operate reliably under environmental conditions such as extreme temperatures, humidity, and vibration, and to have higher safety and stability. Therefore, automotive-grade ICs need to consider these factors during the design and production process, and are usually subject to more stringent testing and certification.

This report is a detailed and comprehensive analysis for global Automobile Grade IC market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

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Global Automobile Grade IC market size and forecasts, in consumption value ($ Million), 2021-2032

Global Automobile Grade IC market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Automobile Grade IC market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Automobile Grade IC market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automobile Grade IC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automobile Grade IC market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon Technologies, STMicroelectronics, NXP, Renesas Electronics, Texas Instruments, SemiDrive, AutoChips, Wingtech Technology, ON Semiconductor, Microchip Technology, etc.

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

Market segmentation

Automobile Grade IC market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts

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for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Main control IC

Power IC

Storage IC

Communication IC

Sensing IC

Market segment by Application

Commercial Vehicles

Passenger Car

Market segment by players, this report covers

Infineon Technologies

STMicroelectronics

NXP

Renesas Electronics

Texas Instruments

SemiDrive

AutoChips

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Wingtech Technology

ON Semiconductor

Microchip Technology

Micron Technology

Samsung Electronics

SK Hynix Semiconductor

Winbond Electronics

Western Digital

Kioxia

GigaDevice

ISSI

Analog Devices

Nanya Technology

Horizon

STARPOWER

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-

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Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Automobile Grade IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automobile Grade IC, with revenue, gross margin, and global market share of Automobile Grade IC from 2021 to 2026.

Chapter 3, the Automobile Grade IC competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Automobile Grade IC market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automobile Grade IC.

Chapter 13, to describe Automobile Grade IC research findings and conclusion.

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Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope
1.2 Market Estimation Caveats and Base Year
1.3 Classification of Automobile Grade IC by Type
  1.3.1 Overview: Global Automobile Grade IC Market Size by Type: 2021 Versus 2025 Versus 2032
  1.3.2 Global Automobile Grade IC Consumption Value Market Share by Type in 2025
  1.3.3 Main control IC
  1.3.4 Power IC
  1.3.5 Storage IC
  1.3.6 Communication IC
  1.3.7 Sensing IC
1.4 Global Automobile Grade IC Market by Application
  1.4.1 Overview: Global Automobile Grade IC Market Size by Application: 2021 Versus 2025 Versus 2032
  1.4.2 Commercial Vehicles
  1.4.3 Passenger Car
1.5 Global Automobile Grade IC Market Size & Forecast
1.6 Global Automobile Grade IC Market Size and Forecast by Region
  1.6.1 Global Automobile Grade IC Market Size by Region: 2021 VS 2025 VS 2032
  1.6.2 Global Automobile Grade IC Market Size by Region, (2021-2032)
  1.6.3 North America Automobile Grade IC Market Size and Prospect (2021-2032)
  1.6.4 Europe Automobile Grade IC Market Size and Prospect (2021-2032)
  1.6.5 Asia-Pacific Automobile Grade IC Market Size and Prospect (2021-2032)
  1.6.6 South America Automobile Grade IC Market Size and Prospect (2021-2032)
  1.6.7 Middle East & Africa Automobile Grade IC Market Size and Prospect (2021-2032)

2 COMPANY PROFILES

2.1 Infineon Technologies
  2.1.1 Infineon Technologies Details
  2.1.2 Infineon Technologies Major Business
  2.1.3 Infineon Technologies Automobile Grade IC Product and Solutions
  2.1.4 Infineon Technologies Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)

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2.1.5 Infineon Technologies Recent Developments and Future Plans
2.2 STMicroelectronics
2.2.1 STMicroelectronics Details
2.2.2 STMicroelectronics Major Business
2.2.3 STMicroelectronics Automobile Grade IC Product and Solutions
2.2.4 STMicroelectronics Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.2.5 STMicroelectronics Recent Developments and Future Plans
2.3 NXP
2.3.1 NXP Details
2.3.2 NXP Major Business
2.3.3 NXP Automobile Grade IC Product and Solutions
2.3.4 NXP Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.3.5 NXP Recent Developments and Future Plans
2.4 Renesas Electronics
2.4.1 Renesas Electronics Details
2.4.2 Renesas Electronics Major Business
2.4.3 Renesas Electronics Automobile Grade IC Product and Solutions
2.4.4 Renesas Electronics Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.4.5 Renesas Electronics Recent Developments and Future Plans
2.5 Texas Instruments
2.5.1 Texas Instruments Details
2.5.2 Texas Instruments Major Business
2.5.3 Texas Instruments Automobile Grade IC Product and Solutions
2.5.4 Texas Instruments Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.5.5 Texas Instruments Recent Developments and Future Plans
2.6 SemiDrive
2.6.1 SemiDrive Details
2.6.2 SemiDrive Major Business
2.6.3 SemiDrive Automobile Grade IC Product and Solutions
2.6.4 SemiDrive Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.6.5 SemiDrive Recent Developments and Future Plans
2.7 AutoChips
2.7.1 AutoChips Details
2.7.2 AutoChips Major Business

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2.7.3 AutoChips Automobile Grade IC Product and Solutions
2.7.4 AutoChips Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.7.5 AutoChips Recent Developments and Future Plans
2.8 Wingtech Technology
2.8.1 Wingtech Technology Details
2.8.2 Wingtech Technology Major Business
2.8.3 Wingtech Technology Automobile Grade IC Product and Solutions
2.8.4 Wingtech Technology Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.8.5 Wingtech Technology Recent Developments and Future Plans
2.9 ON Semiconductor
2.9.1 ON Semiconductor Details
2.9.2 ON Semiconductor Major Business
2.9.3 ON Semiconductor Automobile Grade IC Product and Solutions
2.9.4 ON Semiconductor Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.9.5 ON Semiconductor Recent Developments and Future Plans
2.10 Microchip Technology
2.10.1 Microchip Technology Details
2.10.2 Microchip Technology Major Business
2.10.3 Microchip Technology Automobile Grade IC Product and Solutions
2.10.4 Microchip Technology Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.10.5 Microchip Technology Recent Developments and Future Plans
2.11 Micron Technology
2.11.1 Micron Technology Details
2.11.2 Micron Technology Major Business
2.11.3 Micron Technology Automobile Grade IC Product and Solutions
2.11.4 Micron Technology Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.11.5 Micron Technology Recent Developments and Future Plans
2.12 Samsung Electronics
2.12.1 Samsung Electronics Details
2.12.2 Samsung Electronics Major Business
2.12.3 Samsung Electronics Automobile Grade IC Product and Solutions
2.12.4 Samsung Electronics Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.12.5 Samsung Electronics Recent Developments and Future Plans

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2.13 SK Hynix Semiconductor
2.13.1 SK Hynix Semiconductor Details
2.13.2 SK Hynix Semiconductor Major Business
2.13.3 SK Hynix Semiconductor Automobile Grade IC Product and Solutions
2.13.4 SK Hynix Semiconductor Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.13.5 SK Hynix Semiconductor Recent Developments and Future Plans
2.14 Winbond Electronics
2.14.1 Winbond Electronics Details
2.14.2 Winbond Electronics Major Business
2.14.3 Winbond Electronics Automobile Grade IC Product and Solutions
2.14.4 Winbond Electronics Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.14.5 Winbond Electronics Recent Developments and Future Plans
2.15 Western Digital
2.15.1 Western Digital Details
2.15.2 Western Digital Major Business
2.15.3 Western Digital Automobile Grade IC Product and Solutions
2.15.4 Western Digital Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.15.5 Western Digital Recent Developments and Future Plans
2.16 Kioxia
2.16.1 Kioxia Details
2.16.2 Kioxia Major Business
2.16.3 Kioxia Automobile Grade IC Product and Solutions
2.16.4 Kioxia Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.16.5 Kioxia Recent Developments and Future Plans
2.17 GigaDevice
2.17.1 GigaDevice Details
2.17.2 GigaDevice Major Business
2.17.3 GigaDevice Automobile Grade IC Product and Solutions
2.17.4 GigaDevice Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.17.5 GigaDevice Recent Developments and Future Plans
2.18 ISSI
2.18.1 ISSI Details
2.18.2 ISSI Major Business
2.18.3 ISSI Automobile Grade IC Product and Solutions

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2.18.4 ISSI Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.18.5 ISSI Recent Developments and Future Plans
2.19 Analog Devices
2.19.1 Analog Devices Details
2.19.2 Analog Devices Major Business
2.19.3 Analog Devices Automobile Grade IC Product and Solutions
2.19.4 Analog Devices Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.19.5 Analog Devices Recent Developments and Future Plans
2.20 Nanya Technology
2.20.1 Nanya Technology Details
2.20.2 Nanya Technology Major Business
2.20.3 Nanya Technology Automobile Grade IC Product and Solutions
2.20.4 Nanya Technology Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.20.5 Nanya Technology Recent Developments and Future Plans
2.21 Horizon
2.21.1 Horizon Details
2.21.2 Horizon Major Business
2.21.3 Horizon Automobile Grade IC Product and Solutions
2.21.4 Horizon Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.21.5 Horizon Recent Developments and Future Plans
2.22 STARPOWER
2.22.1 STARPOWER Details
2.22.2 STARPOWER Major Business
2.22.3 STARPOWER Automobile Grade IC Product and Solutions
2.22.4 STARPOWER Automobile Grade IC Revenue, Gross Margin and Market Share (2021-2026)
2.22.5 STARPOWER Recent Developments and Future Plans

3 MARKET COMPETITION, BY PLAYERS

3.1 Global Automobile Grade IC Revenue and Share by Players (2021-2026)
3.2 Market Share Analysis (2025)
3.2.1 Market Share of Automobile Grade IC by Company Revenue
3.2.2 Top 3 Automobile Grade IC Players Market Share in 2025
3.2.3 Top 6 Automobile Grade IC Players Market Share in 2025

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3.3 Automobile Grade IC Market: Overall Company Footprint Analysis
3.3.1 Automobile Grade IC Market: Region Footprint
3.3.2 Automobile Grade IC Market: Company Product Type Footprint
3.3.3 Automobile Grade IC Market: Company Product Application Footprint
3.4 New Market Entrants and Barriers to Market Entry
3.5 Mergers, Acquisition, Agreements, and Collaborations

4 MARKET SIZE SEGMENT BY TYPE

4.1 Global Automobile Grade IC Consumption Value and Market Share by Type (2021-2026)
4.2 Global Automobile Grade IC Market Forecast by Type (2027-2032)

5 MARKET SIZE SEGMENT BY APPLICATION

5.1 Global Automobile Grade IC Consumption Value Market Share by Application (2021-2026)
5.2 Global Automobile Grade IC Market Forecast by Application (2027-2032)

6 NORTH AMERICA

6.1 North America Automobile Grade IC Consumption Value by Type (2021-2032)
6.2 North America Automobile Grade IC Market Size by Application (2021-2032)
6.3 North America Automobile Grade IC Market Size by Country
6.3.1 North America Automobile Grade IC Consumption Value by Country (2021-2032)
6.3.2 United States Automobile Grade IC Market Size and Forecast (2021-2032)
6.3.3 Canada Automobile Grade IC Market Size and Forecast (2021-2032)
6.3.4 Mexico Automobile Grade IC Market Size and Forecast (2021-2032)

7 EUROPE

7.1 Europe Automobile Grade IC Consumption Value by Type (2021-2032)
7.2 Europe Automobile Grade IC Consumption Value by Application (2021-2032)
7.3 Europe Automobile Grade IC Market Size by Country
7.3.1 Europe Automobile Grade IC Consumption Value by Country (2021-2032)
7.3.2 Germany Automobile Grade IC Market Size and Forecast (2021-2032)
7.3.3 France Automobile Grade IC Market Size and Forecast (2021-2032)
7.3.4 United Kingdom Automobile Grade IC Market Size and Forecast (2021-2032)
7.3.5 Russia Automobile Grade IC Market Size and Forecast (2021-2032)

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7.3.6 Italy Automobile Grade IC Market Size and Forecast (2021-2032)

8 ASIA-PACIFIC

8.1 Asia-Pacific Automobile Grade IC Consumption Value by Type (2021-2032)
8.2 Asia-Pacific Automobile Grade IC Consumption Value by Application (2021-2032)
8.3 Asia-Pacific Automobile Grade IC Market Size by Region
8.3.1 Asia-Pacific Automobile Grade IC Consumption Value by Region (2021-2032)
8.3.2 China Automobile Grade IC Market Size and Forecast (2021-2032)
8.3.3 Japan Automobile Grade IC Market Size and Forecast (2021-2032)
8.3.4 South Korea Automobile Grade IC Market Size and Forecast (2021-2032)
8.3.5 India Automobile Grade IC Market Size and Forecast (2021-2032)
8.3.6 Southeast Asia Automobile Grade IC Market Size and Forecast (2021-2032)
8.3.7 Australia Automobile Grade IC Market Size and Forecast (2021-2032)

9 SOUTH AMERICA

9.1 South America Automobile Grade IC Consumption Value by Type (2021-2032)
9.2 South America Automobile Grade IC Consumption Value by Application (2021-2032)
9.3 South America Automobile Grade IC Market Size by Country
9.3.1 South America Automobile Grade IC Consumption Value by Country (2021-2032)
9.3.2 Brazil Automobile Grade IC Market Size and Forecast (2021-2032)
9.3.3 Argentina Automobile Grade IC Market Size and Forecast (2021-2032)

10 MIDDLE EAST & AFRICA

10.1 Middle East & Africa Automobile Grade IC Consumption Value by Type (2021-2032)
10.2 Middle East & Africa Automobile Grade IC Consumption Value by Application (2021-2032)
10.3 Middle East & Africa Automobile Grade IC Market Size by Country
10.3.1 Middle East & Africa Automobile Grade IC Consumption Value by Country (2021-2032)
10.3.2 Turkey Automobile Grade IC Market Size and Forecast (2021-2032)
10.3.3 Saudi Arabia Automobile Grade IC Market Size and Forecast (2021-2032)
10.3.4 UAE Automobile Grade IC Market Size and Forecast (2021-2032)

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11 MARKET DYNAMICS

11.1 Automobile Grade IC Market Drivers
11.2 Automobile Grade IC Market Restraints
11.3 Automobile Grade IC Trends Analysis
11.4 Porters Five Forces Analysis
  11.4.1 Threat of New Entrants
  11.4.2 Bargaining Power of Suppliers
  11.4.3 Bargaining Power of Buyers
  11.4.4 Threat of Substitutes
  11.4.5 Competitive Rivalry

12 INDUSTRY CHAIN ANALYSIS

12.1 Automobile Grade IC Industry Chain
12.2 Automobile Grade IC Upstream Analysis
12.3 Automobile Grade IC Midstream Analysis
12.4 Automobile Grade IC Downstream Analysis

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

14.1 Methodology
14.2 Research Process and Data Source
14.3 Disclaimer

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List Of Tables

LIST OF TABLES

Table 1. Global Automobile Grade IC Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
Table 2. Global Automobile Grade IC Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Table 3. Global Automobile Grade IC Consumption Value by Region (2021-2026) & (USD Million)
Table 4. Global Automobile Grade IC Consumption Value by Region (2027-2032) & (USD Million)
Table 5. Infineon Technologies Company Information, Head Office, and Major Competitors
Table 6. Infineon Technologies Major Business
Table 7. Infineon Technologies Automobile Grade IC Product and Solutions
Table 8. Infineon Technologies Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 9. Infineon Technologies Recent Developments and Future Plans
Table 10. STMicroelectronics Company Information, Head Office, and Major Competitors
Table 11. STMicroelectronics Major Business
Table 12. STMicroelectronics Automobile Grade IC Product and Solutions
Table 13. STMicroelectronics Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 14. STMicroelectronics Recent Developments and Future Plans
Table 15. NXP Company Information, Head Office, and Major Competitors
Table 16. NXP Major Business
Table 17. NXP Automobile Grade IC Product and Solutions
Table 18. NXP Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 19. Renesas Electronics Company Information, Head Office, and Major Competitors
Table 20. Renesas Electronics Major Business
Table 21. Renesas Electronics Automobile Grade IC Product and Solutions
Table 22. Renesas Electronics Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 23. Renesas Electronics Recent Developments and Future Plans
Table 24. Texas Instruments Company Information, Head Office, and Major

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Competitors
Table 25. Texas Instruments Major Business
Table 26. Texas Instruments Automobile Grade IC Product and Solutions
Table 27. Texas Instruments Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 28. Texas Instruments Recent Developments and Future Plans
Table 29. SemiDrive Company Information, Head Office, and Major Competitors
Table 30. SemiDrive Major Business
Table 31. SemiDrive Automobile Grade IC Product and Solutions
Table 32. SemiDrive Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 33. SemiDrive Recent Developments and Future Plans
Table 34. AutoChips Company Information, Head Office, and Major Competitors
Table 35. AutoChips Major Business
Table 36. AutoChips Automobile Grade IC Product and Solutions
Table 37. AutoChips Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 38. AutoChips Recent Developments and Future Plans
Table 39. Wingtech Technology Company Information, Head Office, and Major Competitors
Table 40. Wingtech Technology Major Business
Table 41. Wingtech Technology Automobile Grade IC Product and Solutions
Table 42. Wingtech Technology Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 43. Wingtech Technology Recent Developments and Future Plans
Table 44. ON Semiconductor Company Information, Head Office, and Major Competitors
Table 45. ON Semiconductor Major Business
Table 46. ON Semiconductor Automobile Grade IC Product and Solutions
Table 47. ON Semiconductor Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 48. ON Semiconductor Recent Developments and Future Plans
Table 49. Microchip Technology Company Information, Head Office, and Major Competitors
Table 50. Microchip Technology Major Business
Table 51. Microchip Technology Automobile Grade IC Product and Solutions
Table 52. Microchip Technology Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 53. Microchip Technology Recent Developments and Future Plans

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Table 54. Micron Technology Company Information, Head Office, and Major Competitors
Table 55. Micron Technology Major Business
Table 56. Micron Technology Automobile Grade IC Product and Solutions
Table 57. Micron Technology Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 58. Micron Technology Recent Developments and Future Plans
Table 59. Samsung Electronics Company Information, Head Office, and Major Competitors
Table 60. Samsung Electronics Major Business
Table 61. Samsung Electronics Automobile Grade IC Product and Solutions
Table 62. Samsung Electronics Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 63. Samsung Electronics Recent Developments and Future Plans
Table 64. SK Hynix Semiconductor Company Information, Head Office, and Major Competitors
Table 65. SK Hynix Semiconductor Major Business
Table 66. SK Hynix Semiconductor Automobile Grade IC Product and Solutions
Table 67. SK Hynix Semiconductor Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 68. SK Hynix Semiconductor Recent Developments and Future Plans
Table 69. Winbond Electronics Company Information, Head Office, and Major Competitors
Table 70. Winbond Electronics Major Business
Table 71. Winbond Electronics Automobile Grade IC Product and Solutions
Table 72. Winbond Electronics Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 73. Winbond Electronics Recent Developments and Future Plans
Table 74. Western Digital Company Information, Head Office, and Major Competitors
Table 75. Western Digital Major Business
Table 76. Western Digital Automobile Grade IC Product and Solutions
Table 77. Western Digital Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 78. Western Digital Recent Developments and Future Plans
Table 79. Kioxia Company Information, Head Office, and Major Competitors
Table 80. Kioxia Major Business
Table 81. Kioxia Automobile Grade IC Product and Solutions
Table 82. Kioxia Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)

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Table 83. Kioxia Recent Developments and Future Plans
Table 84. GigaDevice Company Information, Head Office, and Major Competitors
Table 85. GigaDevice Major Business
Table 86. GigaDevice Automobile Grade IC Product and Solutions
Table 87. GigaDevice Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 88. GigaDevice Recent Developments and Future Plans
Table 89. ISSI Company Information, Head Office, and Major Competitors
Table 90. ISSI Major Business
Table 91. ISSI Automobile Grade IC Product and Solutions
Table 92. ISSI Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 93. ISSI Recent Developments and Future Plans
Table 94. Analog Devices Company Information, Head Office, and Major Competitors
Table 95. Analog Devices Major Business
Table 96. Analog Devices Automobile Grade IC Product and Solutions
Table 97. Analog Devices Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 98. Analog Devices Recent Developments and Future Plans
Table 99. Nanya Technology Company Information, Head Office, and Major Competitors
Table 100. Nanya Technology Major Business
Table 101. Nanya Technology Automobile Grade IC Product and Solutions
Table 102. Nanya Technology Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Nanya Technology Recent Developments and Future Plans
Table 104. Horizon Company Information, Head Office, and Major Competitors
Table 105. Horizon Major Business
Table 106. Horizon Automobile Grade IC Product and Solutions
Table 107. Horizon Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 108. Horizon Recent Developments and Future Plans
Table 109. STARPOWER Company Information, Head Office, and Major Competitors
Table 110. STARPOWER Major Business
Table 111. STARPOWER Automobile Grade IC Product and Solutions
Table 112. STARPOWER Automobile Grade IC Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 113. STARPOWER Recent Developments and Future Plans
Table 114. Global Automobile Grade IC Revenue (USD Million) by Players (2021-2026)

+357 96 030922
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Table 115. Global Automobile Grade IC Revenue Share by Players (2021-2026)
Table 116. Breakdown of Automobile Grade IC by Company Type (Tier 1, Tier 2, and Tier 3)
Table 117. Market Position of Players in Automobile Grade IC, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 118. Head Office of Key Automobile Grade IC Players
Table 119. Automobile Grade IC Market: Company Product Type Footprint
Table 120. Automobile Grade IC Market: Company Product Application Footprint
Table 121. Automobile Grade IC New Market Entrants and Barriers to Market Entry
Table 122. Automobile Grade IC Mergers, Acquisition, Agreements, and Collaborations
Table 123. Global Automobile Grade IC Consumption Value (USD Million) by Type (2021-2026)
Table 124. Global Automobile Grade IC Consumption Value Share by Type (2021-2026)
Table 125. Global Automobile Grade IC Consumption Value Forecast by Type (2027-2032)
Table 126. Global Automobile Grade IC Consumption Value by Application (2021-2026)
Table 127. Global Automobile Grade IC Consumption Value Forecast by Application (2027-2032)
Table 128. North America Automobile Grade IC Consumption Value by Type (2021-2026) & (USD Million)
Table 129. North America Automobile Grade IC Consumption Value by Type (2027-2032) & (USD Million)
Table 130. North America Automobile Grade IC Consumption Value by Application (2021-2026) & (USD Million)
Table 131. North America Automobile Grade IC Consumption Value by Application (2027-2032) & (USD Million)
Table 132. North America Automobile Grade IC Consumption Value by Country (2021-2026) & (USD Million)
Table 133. North America Automobile Grade IC Consumption Value by Country (2027-2032) & (USD Million)
Table 134. Europe Automobile Grade IC Consumption Value by Type (2021-2026) & (USD Million)
Table 135. Europe Automobile Grade IC Consumption Value by Type (2027-2032) & (USD Million)
Table 136. Europe Automobile Grade IC Consumption Value by Application (2021-2026) & (USD Million)
Table 137. Europe Automobile Grade IC Consumption Value by Application (2027-2032) & (USD Million)

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Table 138. Europe Automobile Grade IC Consumption Value by Country (2021-2026) & (USD Million)
Table 139. Europe Automobile Grade IC Consumption Value by Country (2027-2032) & (USD Million)
Table 140. Asia-Pacific Automobile Grade IC Consumption Value by Type (2021-2026) & (USD Million)
Table 141. Asia-Pacific Automobile Grade IC Consumption Value by Type (2027-2032) & (USD Million)
Table 142. Asia-Pacific Automobile Grade IC Consumption Value by Application (2021-2026) & (USD Million)
Table 143. Asia-Pacific Automobile Grade IC Consumption Value by Application (2027-2032) & (USD Million)
Table 144. Asia-Pacific Automobile Grade IC Consumption Value by Region (2021-2026) & (USD Million)
Table 145. Asia-Pacific Automobile Grade IC Consumption Value by Region (2027-2032) & (USD Million)
Table 146. South America Automobile Grade IC Consumption Value by Type (2021-2026) & (USD Million)
Table 147. South America Automobile Grade IC Consumption Value by Type (2027-2032) & (USD Million)
Table 148. South America Automobile Grade IC Consumption Value by Application (2021-2026) & (USD Million)
Table 149. South America Automobile Grade IC Consumption Value by Application (2027-2032) & (USD Million)
Table 150. South America Automobile Grade IC Consumption Value by Country (2021-2026) & (USD Million)
Table 151. South America Automobile Grade IC Consumption Value by Country (2027-2032) & (USD Million)
Table 152. Middle East & Africa Automobile Grade IC Consumption Value by Type (2021-2026) & (USD Million)
Table 153. Middle East & Africa Automobile Grade IC Consumption Value by Type (2027-2032) & (USD Million)
Table 154. Middle East & Africa Automobile Grade IC Consumption Value by Application (2021-2026) & (USD Million)
Table 155. Middle East & Africa Automobile Grade IC Consumption Value by Application (2027-2032) & (USD Million)
Table 156. Middle East & Africa Automobile Grade IC Consumption Value by Country (2021-2026) & (USD Million)
Table 157. Middle East & Africa Automobile Grade IC Consumption Value by Country

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(2027-2032) & (USD Million)
Table 158. Global Key Players of Automobile Grade IC Upstream (Raw Materials)
Table 159. Global Automobile Grade IC Typical Customers

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List Of Figures

LIST OF FIGURES

Figure 1. Automobile Grade IC Picture
Figure 2. Global Automobile Grade IC Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 3. Global Automobile Grade IC Consumption Value Market Share by Type in 2025
Figure 4. Main control IC
Figure 5. Power IC
Figure 6. Storage IC
Figure 7. Communication IC
Figure 8. Sensing IC
Figure 9. Global Automobile Grade IC Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 10. Automobile Grade IC Consumption Value Market Share by Application in 2025
Figure 11. Commercial Vehicles Picture
Figure 12. Passenger Car Picture
Figure 13. Global Automobile Grade IC Consumption Value, (USD Million): 2021 & 2025 & 2032
Figure 14. Global Automobile Grade IC Consumption Value and Forecast (2021-2032) & (USD Million)
Figure 15. Global Market Automobile Grade IC Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)
Figure 16. Global Automobile Grade IC Consumption Value Market Share by Region (2021-2032)
Figure 17. Global Automobile Grade IC Consumption Value Market Share by Region in 2025
Figure 18. North America Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 19. Europe Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 20. Asia-Pacific Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 21. South America Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 22. Middle East & Africa Automobile Grade IC Consumption Value (2021-2032)

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& (USD Million)
Figure 23. Company Three Recent Developments and Future Plans
Figure 24. Global Automobile Grade IC Revenue Share by Players in 2025
Figure 25. Automobile Grade IC Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025
Figure 26. Market Share of Automobile Grade IC by Player Revenue in 2025
Figure 27. Top 3 Automobile Grade IC Players Market Share in 2025
Figure 28. Top 6 Automobile Grade IC Players Market Share in 2025
Figure 29. Global Automobile Grade IC Consumption Value Share by Type (2021-2026)
Figure 30. Global Automobile Grade IC Market Share Forecast by Type (2027-2032)
Figure 31. Global Automobile Grade IC Consumption Value Share by Application (2021-2026)
Figure 32. Global Automobile Grade IC Market Share Forecast by Application (2027-2032)
Figure 33. North America Automobile Grade IC Consumption Value Market Share by Type (2021-2032)
Figure 34. North America Automobile Grade IC Consumption Value Market Share by Application (2021-2032)
Figure 35. North America Automobile Grade IC Consumption Value Market Share by Country (2021-2032)
Figure 36. United States Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 37. Canada Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 38. Mexico Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 39. Europe Automobile Grade IC Consumption Value Market Share by Type (2021-2032)
Figure 40. Europe Automobile Grade IC Consumption Value Market Share by Application (2021-2032)
Figure 41. Europe Automobile Grade IC Consumption Value Market Share by Country (2021-2032)
Figure 42. Germany Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 43. France Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 44. United Kingdom Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 45. Russia Automobile Grade IC Consumption Value (2021-2032) & (USD

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Million)
Figure 46. Italy Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 47. Asia-Pacific Automobile Grade IC Consumption Value Market Share by Type (2021-2032)
Figure 48. Asia-Pacific Automobile Grade IC Consumption Value Market Share by Application (2021-2032)
Figure 49. Asia-Pacific Automobile Grade IC Consumption Value Market Share by Region (2021-2032)
Figure 50. China Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 51. Japan Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 52. South Korea Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 53. India Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 54. Southeast Asia Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 55. Australia Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 56. South America Automobile Grade IC Consumption Value Market Share by Type (2021-2032)
Figure 57. South America Automobile Grade IC Consumption Value Market Share by Application (2021-2032)
Figure 58. South America Automobile Grade IC Consumption Value Market Share by Country (2021-2032)
Figure 59. Brazil Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 60. Argentina Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 61. Middle East & Africa Automobile Grade IC Consumption Value Market Share by Type (2021-2032)
Figure 62. Middle East & Africa Automobile Grade IC Consumption Value Market Share by Application (2021-2032)
Figure 63. Middle East & Africa Automobile Grade IC Consumption Value Market Share by Country (2021-2032)
Figure 64. Turkey Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 65. Saudi Arabia Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 66. UAE Automobile Grade IC Consumption Value (2021-2032) & (USD Million)
Figure 67. Automobile Grade IC Market Drivers
Figure 68. Automobile Grade IC Market Restraints

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Figure 69. Automobile Grade IC Market Trends
Figure 70. Porters Five Forces Analysis
Figure 71. Automobile Grade IC Industrial Chain
Figure 72. Methodology
Figure 73. Research Process and Data Source

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