

Global Automotive Semiconductors Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Automotive Semiconductors market size will reach 38,548 Million USD in 2025 and is projected to reach 50,455 Million USD by 2032, with a CAGR of 3.92% (2025-2032). Notably, the China Automotive Semiconductors market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Automotive semiconductors refer to electronic components and systems that are used in automobiles to control various functions of the vehicle. These semiconductor devices are specifically designed and manufactured to meet the stringent requirements such as temperature, humidity, and durability of the automotive industry. Some examples of automotive semiconductors include microcontrollers, sensors, power management ICs, and memory devices. These devices play a crucial role in the safety, performance, and overall functionality of modern vehicles. As automotive technology advances, the demand for advanced semiconductors with features such as connectivity and autonomous driving capabilities is increasing.

The major global manufacturers of Automotive Semiconductors include NXP Semiconductors, Infineon Technologies, Texas Instruments, Renesas Electronics, Robert Bosch GmbH, ROHM, ON Semiconductor, Denso, Analog Devices, Nxpperia (Wingtech), Toshiba, Micron Technology, Navinfo, Allwinner Technology, Starpower, GigaDevice, Horizon Robotics, etc. The global players competition landscape in this

report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Automotive Semiconductors. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Automotive Semiconductors market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Automotive Semiconductors market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Automotive Semiconductors industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Automotive Semiconductors Include:

NXP Semiconductors

Infineon Technologies

Texas Instruments

Renesas Electronics

Robert Bosch GmbH

ROHM

ON Semiconductor

Denso

Analog Devices

Nexperia (Wingtech)

Toshiba

Micron Technology

Navinfo

Allwinner Technology

Starpower

GigaDevice

Horizon Robotics

Automotive Semiconductors Product Segment Include:

ASSP/ASIC

Micro-Component IC

Discrete

Optoelectronics

Nonoptical Sensors

Memory IC

Analog IC

General-Purpose Logic IC

Automotive Semiconductors Product Application Include:

Infotainment & Cluster

Body

ADAS

Chassis

Powertrain

EV/HEV

Safety

Aftermarket

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Automotive Semiconductors Industry PESTEL Analysis

Chapter 3: Global Automotive Semiconductors Industry Porter's Five Forces Analysis

Chapter 4: Global Automotive Semiconductors Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Automotive Semiconductors Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 10: Latin America Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 11: Middle East and Africa Automotive Semiconductors Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 12: Global Automotive Semiconductors Competitive Analysis of Key Manufacturers (Sales, Revenue, Market Share, Price, Regional Distribution and Industry Concentration)

Chapter 13: Key Company Profiles (Product Portfolio, Sales, Revenue, Price and Gross Margin)

Chapter 14: Industrial Chain Analysis, Include Raw Material Suppliers, Distributors and Customers

Chapter 15: Research Findings and Conclusion

Chapter 16: Methodology and Data Sources

Contents

1 AUTOMOTIVE SEMICONDUCTORS MARKET OVERVIEW

- 1.1 Product Definition and Statistical Scope
- 1.2 Automotive Semiconductors Product by Type
 - 1.2.1 ASSP/ASIC
 - 1.2.2 Micro-Component IC
 - 1.2.3 Discrete
 - 1.2.4 Optoelectronics
 - 1.2.5 Nonoptical Sensors
 - 1.2.6 Memory IC
 - 1.2.7 Analog IC
 - 1.2.8 General-Purpose Logic IC
- 1.3 Automotive Semiconductors Product by Application
 - 1.3.1 Infotainment & Cluster
 - 1.3.2 Body
 - 1.3.3 ADAS
 - 1.3.4 Chassis
 - 1.3.5 Powertrain
 - 1.3.6 EV/HEV
 - 1.3.7 Safety
 - 1.3.8 Aftermarket
- 1.4 Global Automotive Semiconductors Market Revenue and Sales Analysis
 - 1.4.1 Global Automotive Semiconductors Revenue Market Size Analysis (2020-2032)
 - 1.4.2 Global Automotive Semiconductors Sales Market Size Analysis (2020-2032)
 - 1.4.3 Global Automotive Semiconductors Market Sales Price Trend Analysis (2020-2032)
- 1.5 Automotive Semiconductors Industry Trends and Innovation
 - 1.5.1 Automotive Semiconductors Industry Trends and Innovation
 - 1.5.2 Automotive Semiconductors Market Drivers and Challenges

2 AUTOMOTIVE SEMICONDUCTORS MARKET PESTEL ANALYSIS

- 2.1 Political Factors Analysis
- 2.2 Economic Factors Analysis
- 2.3 Social Factors Analysis
- 2.4 Technological Factors Analysis
- 2.5 Environmental Factors Analysis

2.6 Legal Factors Analysis

3 AUTOMOTIVE SEMICONDUCTORS MARKET PORTER'S FIVE FORCES ANALYSIS

3.1 Competitive Rivalry

3.2 Threat of New Entrants

3.3 Bargaining Power of Suppliers

3.4 Bargaining Power of Buyers

3.5 Threat of Substitutes

4 GLOBAL AUTOMOTIVE SEMICONDUCTORS MARKET ANALYSIS BY REGIONS

4.1 Global Automotive Semiconductors Overall Market: 2024 VS 2025 VS 2032

4.2 Global Automotive Semiconductors Revenue and Forecast Analysis (2020-2032)

4.2.1 Global Automotive Semiconductors Revenue and Market Share by Region (2020-2025)

4.2.2 Global Automotive Semiconductors Revenue and Market Share Forecast by Region (2026-2032)

4.3 Global Automotive Semiconductors Sales and Forecast Analysis (2020-2032)

4.3.1 Global Automotive Semiconductors Sales and Market Share by Region (2020-2025)

4.3.2 Global Automotive Semiconductors Sales and Market Share Forecast by Region (2026-2032)

4.4 Global Automotive Semiconductors Sales Price Trend Analysis (2020-2032)

5 GLOBAL AUTOMOTIVE SEMICONDUCTORS MARKET SIZE BY TYPE AND APPLICATION

5.1 Global Automotive Semiconductors Market Size by Type

5.1.1 Global Automotive Semiconductors Revenue and Forecast Analysis by Type (2020-2032)

5.1.2 Global Automotive Semiconductors Sales and Forecast Analysis by Type (2020-2032)

5.2 Global Automotive Semiconductors Market Size by Application

5.2.1 Global Automotive Semiconductors Revenue and Forecast Analysis by Application (2020-2032)

5.2.2 Global Automotive Semiconductors Sales and Forecast Analysis by Application (2020-2032)

6 NORTH AMERICA

6.1 North America Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

6.2 North America Key Manufacturers Analysis

6.3 North America Automotive Semiconductors Market Size by Type

6.3.1 North America Automotive Semiconductors Sales by Type (2020-2032)

6.3.2 North America Automotive Semiconductors Revenue by Type (2020-2032)

6.4 North America Automotive Semiconductors Market Size by Application

6.4.1 North America Automotive Semiconductors Sales by Application (2020-2032)

6.4.2 North America Automotive Semiconductors Revenue by Application (2020-2032)

6.5 North America Automotive Semiconductors Market Size by Country

6.5.1 US

6.5.2 Canada

7 EUROPE

7.1 Europe Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

7.2 Europe Key Manufacturers Analysis

7.3 Europe Automotive Semiconductors Market Size by Type

7.3.1 Europe Automotive Semiconductors Sales by Type (2020-2032)

7.3.2 Europe Automotive Semiconductors Revenue by Type (2020-2032)

7.4 Europe Automotive Semiconductors Market Size by Application

7.4.1 Europe Automotive Semiconductors Sales by Application (2020-2032)

7.4.2 Europe Automotive Semiconductors Revenue by Application (2020-2032)

7.5 Europe Automotive Semiconductors Market Size by Country

7.5.1 Germany

7.5.2 France

7.5.3 United Kingdom

7.5.4 Italy

7.5.5 Spain

7.5.6 Benelux

8 CHINA

8.1 China Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

8.2 China Key Manufacturers Analysis

8.3 China Automotive Semiconductors Market Size by Type

8.3.1 China Automotive Semiconductors Sales by Type (2020-2032)

8.3.2 China Automotive Semiconductors Revenue by Type (2020-2032)

8.4 China Automotive Semiconductors Market Size by Application

8.4.1 China Automotive Semiconductors Sales by Application (2020-2032)

8.4.2 China Automotive Semiconductors Revenue by Application (2020-2032)

9 APAC (EXCL. CHINA)

9.1 APAC (excl. China) Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

9.2 APAC (excl. China) Key Manufacturers Analysis

9.3 APAC (excl. China) Automotive Semiconductors Market Size by Type

9.3.1 APAC (excl. China) Automotive Semiconductors Sales by Type (2020-2032)

9.3.2 APAC (excl. China) Automotive Semiconductors Revenue by Type (2020-2032)

9.4 APAC (excl. China) Automotive Semiconductors Market Size by Application

9.4.1 APAC (excl. China) Automotive Semiconductors Sales by Application (2020-2032)

9.4.2 APAC (excl. China) Automotive Semiconductors Revenue by Application (2020-2032)

9.5 APAC (excl. China) Automotive Semiconductors Market Size by Country

9.5.1 Japan

9.5.2 South Korea

9.5.3 India

9.5.4 Australia

9.5.5 Southeast Asia

10 LATIN AMERICA

10.1 Latin America Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

10.2 Latin America Key Manufacturers Analysis

10.3 Latin America Automotive Semiconductors Market Size by Type

10.3.1 Latin America Automotive Semiconductors Sales by Type (2020-2032)

10.3.2 Latin America Automotive Semiconductors Revenue by Type (2020-2032)

10.4 Latin America Automotive Semiconductors Market Size by Application

10.4.1 Latin America Automotive Semiconductors Sales by Application (2020-2032)

10.4.2 Latin America Automotive Semiconductors Revenue by Application (2020-2032)

10.5 Latin America Automotive Semiconductors Market Size by Country

10.6 Latin America Automotive Semiconductors Market Size by Country

10.6.1 Mexico

10.6.2 Brazil

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Semiconductors Market Size and Growth Rate Analysis (2020-2032)

11.2 Middle East & Africa Key Manufacturers Analysis

11.3 Middle East & Africa Automotive Semiconductors Market Size by Type

11.3.1 Middle East & Africa Automotive Semiconductors Sales by Type (2020-2032)

11.3.2 Middle East & Africa Automotive Semiconductors Revenue by Type (2020-2032)

11.4 Middle East & Africa Automotive Semiconductors Market Size by Application

11.4.1 Middle East & Africa Automotive Semiconductors Sales by Application (2020-2032)

11.4.2 Middle East & Africa Automotive Semiconductors Revenue by Application (2020-2032)

11.5 Middle East Automotive Semiconductors Market Size by Country

11.5.1 Saudi Arabia

11.5.2 South Africa

12 COMPETITION BY MANUFACTURERS

12.1 Global Automotive Semiconductors Market Sales, Revenue and Price by Key Manufacturers (2021-2025)

12.1.1 Global Automotive Semiconductors Market Sales by Key Manufacturers (2021-2025)

12.1.2 Global Automotive Semiconductors Market Revenue by Key Manufacturers (2021-2025)

12.1.3 Global Automotive Semiconductors Average Sales Price by Manufacturers (2021-2025)

12.2 Automotive Semiconductors Competitive Landscape Analysis and Market Dynamic

12.2.1 Automotive Semiconductors Competitive Landscape Analysis

12.2.2 Global Key Manufacturers Headquarter Location and Key Area Sales

12.2.3 Market Dynamic

13 KEY COMPANIES ANALYSIS

13.1 NXP Semiconductors

13.1.1 NXP Semiconductors Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.1.2 NXP Semiconductors Automotive Semiconductors Product Portfolio

13.1.3 NXP Semiconductors Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.2 Infineon Technologies

13.2.1 Infineon Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.2.2 Infineon Technologies Automotive Semiconductors Product Portfolio

13.2.3 Infineon Technologies Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.3 Texas Instruments

13.3.1 Texas Instruments Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.3.2 Texas Instruments Automotive Semiconductors Product Portfolio

13.3.3 Texas Instruments Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.4 Renesas Electronics

13.4.1 Renesas Electronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.4.2 Renesas Electronics Automotive Semiconductors Product Portfolio

13.4.3 Renesas Electronics Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.5 Robert Bosch GmbH

13.5.1 Robert Bosch GmbH Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.5.2 Robert Bosch GmbH Automotive Semiconductors Product Portfolio

13.5.3 Robert Bosch GmbH Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.6 ROHM

13.6.1 ROHM Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.6.2 ROHM Automotive Semiconductors Product Portfolio

13.6.3 ROHM Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.7 ON Semiconductor

13.7.1 ON Semiconductor Basic Company Profile (Employees, Areas Service,

Competitors and Contact Information)

13.7.2 ON Semiconductor Automotive Semiconductors Product Portfolio

13.7.3 ON Semiconductor Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.8 Denso

13.8.1 Denso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.8.2 Denso Automotive Semiconductors Product Portfolio

13.8.3 Denso Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.9 Analog Devices

13.9.1 Analog Devices Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.9.2 Analog Devices Automotive Semiconductors Product Portfolio

13.9.3 Analog Devices Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.10 Nexperia (Wingtech)

13.10.1 Nexperia (Wingtech) Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.10.2 Nexperia (Wingtech) Automotive Semiconductors Product Portfolio

13.10.3 Nexperia (Wingtech) Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.11 Toshiba

13.11.1 Toshiba Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.11.2 Toshiba Automotive Semiconductors Product Portfolio

13.11.3 Toshiba Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.12 Micron Technology

13.12.1 Micron Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.12.2 Micron Technology Automotive Semiconductors Product Portfolio

13.12.3 Micron Technology Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.13 Navinfo

13.13.1 Navinfo Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.13.2 Navinfo Automotive Semiconductors Product Portfolio

13.13.3 Navinfo Automotive Semiconductors Market Data Analysis (Revenue, Sales,

Price, Gross Margin and Market Share) (2021-2025)

13.14 Allwinner Technology

13.14.1 Allwinner Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.14.2 Allwinner Technology Automotive Semiconductors Product Portfolio

13.14.3 Allwinner Technology Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.15 Starpower

13.15.1 Starpower Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.15.2 Starpower Automotive Semiconductors Product Portfolio

13.15.3 Starpower Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.16 GigaDevice

13.16.1 GigaDevice Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.16.2 GigaDevice Automotive Semiconductors Product Portfolio

13.16.3 GigaDevice Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

13.17 Horizon Robotics

13.17.1 Horizon Robotics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

13.17.2 Horizon Robotics Automotive Semiconductors Product Portfolio

13.17.3 Horizon Robotics Automotive Semiconductors Market Data Analysis (Revenue, Sales, Price, Gross Margin and Market Share) (2021-2025)

14 INDUSTRY CHAIN ANALYSIS

14.1 Automotive Semiconductors Industry Chain Analysis

14.2 Automotive Semiconductors Industry Raw Material and Suppliers Analysis

14.2.1 Automotive Semiconductors Key Raw Material Supply Analysis

14.2.2 Raw Material Suppliers and Contact Information

14.3 Automotive Semiconductors Typical Downstream Customers

14.4 Automotive Semiconductors Sales Channel Analysis

15 RESEARCH FINDINGS AND CONCLUSION

16 METHODOLOGY AND DATA SOURCE

16.1 Methodology/Research Approach

16.2 Research Scope

16.3 Benchmarks and Assumptions

16.4 Data Source

16.4.1 Primary Sources

16.4.2 Secondary Sources

16.5 Data Cross Validation

16.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1: Global Automotive Semiconductors Market Size Growth Rate by Type, 2024 VS 2025 VS 2032 (US\$ Million)

Table 2: Global Automotive Semiconductors Market Size Growth Rate by Application, 2024 VS 2025 VS 2032 (US\$ Million)

Table 3: Automotive Semiconductors Industry Development Status

Table 4: Automotive Semiconductors Industry Development Trends

Table 5: Global Automotive Semiconductors Market Size by Region in US\$ Million: 2024 VS 2025 VS 2032

Table 6: Global Automotive Semiconductors Revenue by Region (2020-2025) & (US\$ Million)

Table 7: Global Automotive Semiconductors Revenue Market Share by Region (2020-2025)

Table 8: Global Automotive Semiconductors Revenue Forecast by Region (2026-2032) & (US\$ Million)

Table 9: Global Automotive Semiconductors Revenue Market Share Forecast by Region (2026-2032)

Table 10: Global Automotive Semiconductors Sales by Region (2020-2025) & (K Unit)

Table 11: Global Automotive Semiconductors Sales Market Share by Region (2020-2025)

Table 12: Global Automotive Semiconductors Sales Forecast by Region (2026-2032) & (K Unit)

Table 13: Global Automotive Semiconductors Sales Market Share Forecast by Region (2026-2032)

Table 14: Global Automotive Semiconductors Revenue Analysis by Type (2020-2025) & (US\$ Million)

Table 15: Global Automotive Semiconductors Revenue Analysis Forecast by Type (2026-2032) & (US\$ Million)

Table 16: Global Automotive Semiconductors Sales Analysis by Type (2020-2025) & (K Unit)

Table 17: Global Automotive Semiconductors Sales Analysis Forecast by Type (2026-2032) & (K Unit)

Table 18: Global Automotive Semiconductors Revenue Analysis by Application (2020-2025) & (US\$ Million)

Table 19: Global Automotive Semiconductors Revenue Analysis Forecast by Application (2026-2032) & (US\$ Million)

Table 20: Global Automotive Semiconductors Sales Analysis by Application (2020-2025) & (K Unit)

Table 21: Global Automotive Semiconductors Sales Analysis Forecast by Application (2026-2032) & (K Unit)

Table 22: Key Automotive Semiconductors Players in North America

Table 23: North America Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)

Table 24: North America Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)

Table 25: North America Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)

Table 26: North America Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)

Table 27: North America Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)

Table 28: North America Automotive Semiconductors Sales by Application (2026-2032) & (K Unit)

Table 29: North America Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)

Table 30: North America Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)

Table 31: North America Automotive Semiconductors Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 32: North America Automotive Semiconductors Revenue Market Size by Country (2026-2032) & (US\$ Million)

Table 33: North America Automotive Semiconductors Sales Market Size by Country (2020-2025) & (K Unit)

Table 34: North America Automotive Semiconductors Sales Market Size by Country (2026-2032) & (K Unit)

Table 35: Key Automotive Semiconductors Players in Europe

Table 36: Europe Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)

Table 37: Europe Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)

Table 38: Europe Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)

Table 39: Europe Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)

Table 40: Europe Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)

Table 41: Europe Automotive Semiconductors Sales by Application (2026-2032) & (K

Unit)

Table 42: Europe Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)

Table 43: Europe Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)

Table 44: Europe Automotive Semiconductors Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 45: Europe Automotive Semiconductors Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 46: Europe Automotive Semiconductors Sales Market Size by Country (2020-2025) & (K Unit)

Table 47: Europe Automotive Semiconductors Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 48: Key Automotive Semiconductors Players in China

Table 49: China Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)

Table 50: China Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)

Table 51: China Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)

Table 52: China Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)

Table 53: China Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)

Table 54: China Automotive Semiconductors Sales by Application (2026-2032) & (K Unit)

Table 55: China Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)

Table 56: China Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)

Table 57: Key Automotive Semiconductors Players in APAC (excl. China)

Table 58: APAC (excl. China) Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)

Table 59: APAC (excl. China) Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)

Table 60: APAC (excl. China) Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)

Table 61: APAC (excl. China) Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)

Table 62: APAC (excl. China) Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)

Table 63: APAC (excl. China) Automotive Semiconductors Sales by Application (2026-2032) & (K Unit)

Table 64: APAC (excl. China) Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)

Table 65: APAC (excl. China) Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)

Table 66: APAC (excl. China) Automotive Semiconductors Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 67: APAC (excl. China) Automotive Semiconductors Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 68: APAC (excl. China) Automotive Semiconductors Sales Market Size by Country (2020-2025) & (K Unit)

Table 69: APAC (excl. China) Automotive Semiconductors Sales Market Size Forecast by Country (2026-2032) & (K Unit)

Table 70: Key Automotive Semiconductors Players in Latin America

Table 71: Latin America Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)

Table 72: Latin America Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)

Table 73: Latin America Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)

Table 74: Latin America Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)

Table 75: Latin America Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)

Table 76: Latin America Automotive Semiconductors Sales by Application (2026-2032) & (K Unit)

Table 77: Latin America Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)

Table 78: Latin America Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)

Table 79: Latin America Automotive Semiconductors Revenue Market Size by Country (2020-2025) & (US\$ Million)

Table 80: Latin America Automotive Semiconductors Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)

Table 81: Latin America Automotive Semiconductors Sales Market Size by Country (2020-2025) & (K Unit)

Table 82: Latin America Automotive Semiconductors Sales Market Size Forecast by Country (2026-2032) & (K Unit)

- Table 83: Key Automotive Semiconductors Players in Middle East & Africa
- Table 84: Middle East & Africa Automotive Semiconductors Sales by Type (2020-2025) & (K Unit)
- Table 85: Middle East & Africa Automotive Semiconductors Sales by Type (2026-2032) & (K Unit)
- Table 86: Middle East & Africa Automotive Semiconductors Revenue by Type (2020-2025) & (US\$ Million)
- Table 87: Middle East & Africa Automotive Semiconductors Revenue by Type (2026-2032) & (US\$ Million)
- Table 88: Middle East & Africa Automotive Semiconductors Sales by Application (2020-2025) & (K Unit)
- Table 89: Middle East & Africa Automotive Semiconductors Sales by Application (2026-2032) & (K Unit)
- Table 90: Middle East & Africa Automotive Semiconductors Revenue by Application (2020-2025) & (US\$ Million)
- Table 91: Middle East & Africa Automotive Semiconductors Revenue by Application (2026-2032) & (US\$ Million)
- Table 92: Middle East & Africa Automotive Semiconductors Revenue Market Size by Country (2020-2025) & (US\$ Million)
- Table 93: Middle East & Africa Automotive Semiconductors Revenue Market Size Forecast by Country (2026-2032) & (US\$ Million)
- Table 94: Middle East & Africa Automotive Semiconductors Sales Market Size by Country (2020-2025) & (K Unit)
- Table 95: Middle East & Africa Automotive Semiconductors Sales Market Size Forecast by Country (2026-2032) & (K Unit)
- Table 96: Global Automotive Semiconductors Market Sales by Key Manufacturers (2021-2025) & (K Unit)
- Table 97: Global Automotive Semiconductors Sales Market Share by Key Manufacturers (2021-2025)
- Table 98: Global Automotive Semiconductors Market Revenue by Key Manufacturers (2021-2025) & (US\$ Million)
- Table 99: Global Automotive Semiconductors Revenue Market Share by Key Manufacturers (2021-2025)
- Table 100: Global Average Sales Price by Manufacturers (2021-2025) & (USD/Unit)
- Table 101: Global Key Manufacturers Headquarter Location and Key Area Sales
- Table 102: Market Mergers & Acquisitions, Expansion
- Table 103: NXP Semiconductors Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 104: NXP Semiconductors Automotive Semiconductors Product Portfolio

Table 105: NXP Semiconductors Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 106: Infineon Technologies Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 107: Infineon Technologies Automotive Semiconductors Product Portfolio

Table 108: Infineon Technologies Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 109: Texas Instruments Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 110: Texas Instruments Automotive Semiconductors Product Portfolio

Table 111: Texas Instruments Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 112: Renesas Electronics Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 113: Renesas Electronics Automotive Semiconductors Product Portfolio

Table 114: Renesas Electronics Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 115: Robert Bosch GmbH Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 116: Robert Bosch GmbH Automotive Semiconductors Product Portfolio

Table 117: Robert Bosch GmbH Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 118: ROHM Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 119: ROHM Automotive Semiconductors Product Portfolio

Table 120: ROHM Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 121: ON Semiconductor Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 122: ON Semiconductor Automotive Semiconductors Product Portfolio

Table 123: ON Semiconductor Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 124: Denso Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

Table 125: Denso Automotive Semiconductors Product Portfolio

Table 126: Denso Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 127: Analog Devices Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)

- Table 128: Analog Devices Automotive Semiconductors Product Portfolio
- Table 129: Analog Devices Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 130: Nexperia (Wingtech) Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 131: Nexperia (Wingtech) Automotive Semiconductors Product Portfolio
- Table 132: Nexperia (Wingtech) Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 133: Toshiba Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 134: Toshiba Automotive Semiconductors Product Portfolio
- Table 135: Toshiba Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 136: Micron Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 137: Micron Technology Automotive Semiconductors Product Portfolio
- Table 138: Micron Technology Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 139: Navinfo Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 140: Navinfo Automotive Semiconductors Product Portfolio
- Table 141: Navinfo Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 142: Allwinner Technology Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 143: Allwinner Technology Automotive Semiconductors Product Portfolio
- Table 144: Allwinner Technology Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 145: Starpower Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 146: Starpower Automotive Semiconductors Product Portfolio
- Table 147: Starpower Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 148: GigaDevice Basic Company Profile (Employees, Areas Service, Competitors and Contact Information)
- Table 149: GigaDevice Automotive Semiconductors Product Portfolio
- Table 150: GigaDevice Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)
- Table 151: Horizon Robotics Basic Company Profile (Employees, Areas Service,

Competitors and Contact Information)

Table 152: Horizon Robotics Automotive Semiconductors Product Portfolio

Table 153: Horizon Robotics Automotive Semiconductors Revenue (US\$ Million), Sales (K Unit), Price (USD/Unit), Gross Margin and Market Share (2021-2025)

Table 154: Upstream Key Raw Material Price List

Table 155: Automotive Semiconductors Raw Material Suppliers and Contact Information

Table 156: Automotive Semiconductors Typical Customer List

Table 157: Automotive Semiconductors Distributors List

List Of Figures

LIST OF FIGURES

- Figure 1: Automotive Semiconductors Product Pictures
- Figure 2: ASSP/ASIC Picture Scope
- Figure 3: Micro-Component IC Picture Scope
- Figure 4: Discrete Picture Scope
- Figure 5: Optoelectronics Picture Scope
- Figure 6: Nonoptical Sensors Picture Scope
- Figure 7: Memory IC Picture Scope
- Figure 8: Analog IC Picture Scope
- Figure 9: General-Purpose Logic IC Picture Scope
- Figure 10: Infotainment & Cluster Picture Scope
- Figure 11: Body Picture Scope
- Figure 12: ADAS Picture Scope
- Figure 13: Chassis Picture Scope
- Figure 14: Powertrain Picture Scope
- Figure 15: EV/HEV Picture Scope
- Figure 16: Safety Picture Scope
- Figure 17: Aftermarket Picture Scope
- Figure 18: Global Automotive Semiconductors Market Size Analysis: 2024 VS 2025 VS 2032 (US\$ Million)
- Figure 19: Global Automotive Semiconductors Market Revenue and Growth Rate Analysis: (2020-2032) & (US\$ Million)
- Figure 20: Global Automotive Semiconductors Market Sales and Growth Rate Analysis (2020-2032) & (K Unit)
- Figure 21: Global Automotive Semiconductors Market Price Trend Analysis (2020-2032) & (USD/Unit)
- Figure 22: Global Automotive Semiconductors Market Size by Region (2020-2032) & (US\$ Million)
- Figure 23: Global Automotive Semiconductors Market Share Scenario by Region in Percentage: 2025 Versus 2032
- Figure 24: Global Automotive Semiconductors Sales Price by Region (2020-2032) & (K Unit)
- Figure 25: North America Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)
- Figure 26: North America Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 27:North America Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 28:North America Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 29:North America Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 30:North America Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 31:US Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 32:Canada Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 33:Europe Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 34:Europe Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 35:Europe Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 36:Europe Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 37:Europe Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 38:Europe Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 39:Germany Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 40:France Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 41:United Kingdom Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 42:Italy Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 43:Spain Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 44:Benelux Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 45:China Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 46:China Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 47:China Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 48:China Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 49:China Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 50:China Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 51:APAC (excl. China) Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 52:APAC (excl. China) Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 53:APAC (excl. China) Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 54:APAC (excl. China) Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 55:APAC (excl. China) Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 56:APAC (excl. China) Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 57:Japan Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 58:South Korea Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 59:India Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 60:Australia Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 61:Southeast Asia Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 62:Latin America Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 63:Latin America Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 64:Latin America Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 65:Latin America Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 66:Latin America Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 67:Latin America Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 68:Mexico Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 69:Brazil Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 70:Middle East & Africa Automotive Semiconductors Market Size and Growth Rate (2020-2032) & (US\$ Million)

Figure 71:Middle East & Africa Automotive Semiconductors Revenue Market Share by Players in 2024

Figure 72:Middle East & Africa Automotive Semiconductors Sales Market Share by Type (2020-2032)

Figure 73: Middle East & Africa Automotive Semiconductors Revenue Market Share by Type (2020-2032)

Figure 74: Middle East & Africa Automotive Semiconductors Sales Market Share by Application (2020-2032)

Figure 75: Middle East & Africa Automotive Semiconductors Revenue Market Share by Application (2020-2032)

Figure 76: Saudi Arabia Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 77: South Africa Automotive Semiconductors Revenue (2020-2032) & (US\$ Million)

Figure 78: Global Automotive Semiconductors Sales Market Share by Key Manufacturers in 2024

Figure 79: Global Automotive Semiconductors Revenue Market Share by Key Manufacturers in 2024

Figure 80: Global Automotive Semiconductors Industry Competition Landscape

Figure 81: Automotive Semiconductors Industry Chain Analysis

Figure 82: Bottom-Up and Top-Down Research Methods

Figure 83: Key Interview Objectives

Figure 84: Data Cross Validation

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