

Global Automotive Semiconductor Market Forecast 2022-2030

Market Report | 2022-09-12 | 230 pages | Inkwood Research

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Report description:

KEY FINDINGS

The global automotive semiconductor market is estimated to grow at a CAGR of 9.47% during the forecast period, 2022-2030. The rising focus on connected cars, increasing autonomous features in cars, emerging electric vehicles, and growing demand for more functions in Electronic Control Unit (ECU) propel market growth.

MARKET INSIGHTS

Semiconductors are made of pure elements or compounds. Their properties can be changed by doping. Doping is the introduction of impurities. In automotive, they are compatible with technical and qualitative needs. Autonomous driving is set to result in an increasing number of semiconductor devices used in the automobile sector, supplemented by technological advancements.

Autonomous cars rely on complex algorithms, actuators, powerful processors, and machine learning systems to execute software. They create and maintain a map of their surroundings using different sensors situated on various vehicle parts. Therefore, with the growing demand for autonomous features like vehicle-to-vehicle communication, lane detection, backup cameras, etc., the demand for semiconductor chips is estimated to increase. The features with regard to semiconductor technology include cameras and sensors around the car's exterior. Such aspects drive the global market growth. However, the growing automotive costs, shortage of semiconductor chips, and high regulations hinder the market growth.

REGIONAL INSIGHTS

The global automotive semiconductor market growth assessment includes the analysis of Europe, North America, Asia-Pacific, and Rest of World. Asia-Pacific is expected to harbor the largest revenue share in the global market with growing adoption of electric vehicles, rising automotive manufacturing, and collaborations between semiconductor manufacturers and automotive OEMs.

COMPETITIVE INSIGHTS

The market players are competing across several regions, trying to gain market shares by increasing new product developments and expansions. Microchip Technology Incorporated, Analog Devices Inc, Micron Technology Inc, Intel Corporation, Infineon Technologies AG, etc., are among the key players in the market.

Our report offerings include:

- Explore key findings of the overall market
- Strategic breakdown of market dynamics (Drivers, Restraints, Opportunities, Challenges)

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- Market forecasts for a minimum of 9 years, along with 3 years of historical data for all segments, sub-segments, and regions
- Market Segmentation cater to a thorough assessment of key segments with their market estimations
- Geographical Analysis: Assessments of the mentioned regions and country-level segments with their market share
- Key analytics: Porter's Five Forces Analysis, Vendor Landscape, Opportunity Matrix, Key Buying Criteria, etc.
- Competitive landscape is the theoretical explanation of the key companies based on factors, market share, etc.
- Company profiling: A detailed company overview, product/services offered, SCOT analysis, and recent strategic developments

Table of Contents:

TABLE OF CONTENTS

1. RESEARCH SCOPE & METHODOLOGY

1.1. STUDY OBJECTIVES

1.2. SCOPE OF STUDY

1.3. METHODOLOGY

1.4. ASSUMPTIONS & LIMITATIONS

2. EXECUTIVE SUMMARY

2.1. MARKET SIZE & ESTIMATES

2.2. MARKET OVERVIEW

3. MARKET DYNAMICS

3.1. KEY DRIVERS

3.1.1. EMERGENCE OF ELECTRIC VEHICLES

3.1.2. GROWING FOCUS ON CONNECTED CARS

3.1.3. INCREASING AUTONOMOUS FEATURES IN CARS

3.1.4. DEMAND FOR MORE FUNCTIONS IN ELECTRONIC CONTROL UNIT (ECU)

3.2. KEY RESTRAINTS

3.2.1. RISING AUTOMOTIVE COSTS

3.2.2. STRINGENT REGULATIONS

3.2.3. SHORTAGE OF SEMICONDUCTOR CHIPS

4. KEY ANALYTICS

4.1. IMPACT OF COVID-19 ON THE AUTOMOTIVE SEMICONDUCTOR MARKET

4.2. KEY MARKET TRENDS

4.3. PORTER'S FIVE FORCES ANALYSIS

4.3.1. BUYERS POWER

4.3.2. SUPPLIERS POWER

4.3.3. SUBSTITUTION

4.3.4. NEW ENTRANTS

4.3.5. INDUSTRY RIVALRY

4.4. OPPORTUNITY MATRIX

4.5. VENDOR LANDSCAPE

4.6. KEY BUYING CRITERIA

4.6.1. VALUE TO CUSTOMER

4.6.2. TIME-TO-MARKET

4.6.3. REPUTATION OF THE SELLER/MANUFACTURERS

5. MARKET BY VEHICLE TYPE

5.1. PASSENGER CARS

5.2. LIGHT COMMERCIAL VEHICLES (LCVS)

5.3. HEAVY COMMERCIAL VEHICLES (HCVS)

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- 6. MARKET BY FUEL TYPE
 - 6.1. GASOLINE
 - 6.2. DIESEL
 - 6.3. ELECTRIC/HYBRID
- 7. MARKET BY APPLICATION
 - 7.1. ADVANCED DRIVER ASSISTANCE SYSTEMS
 - 7.2. BODY ELECTRONICS
 - 7.3. INFOTAINMENT
 - 7.4. POWERTRAIN
 - 7.5. SAFETY SYSTEMS
- 8. MARKET BY COMPONENT
 - 8.1. PROCESSORS
 - 8.2. ANALOG ICS
 - 8.3. DISCRETE POWER DEVICES
 - 8.4. SENSORS
 - 8.4.1. LED
 - 8.4.2. IMAGE SENSOR
 - 8.4.3. POSITION SENSOR
 - 8.4.4. TEMPERATURE SENSOR
 - 8.4.5. PRESSURE SENSOR
 - 8.4.6. OTHER SENSOR TYPES
 - 8.5. MEMORY TYPE
 - 8.5.1. DRAM
 - 8.5.2. FLASH
 - 8.6. LIGHTING DEVICES
- 9. GEOGRAPHICAL ANALYSIS
 - 9.1. NORTH AMERICA
 - 9.1.1. MARKET SIZE & ESTIMATES
 - 9.1.2. KEY GROWTH ENABLERS
 - 9.1.3. KEY CHALLENGES
 - 9.1.4. KEY PLAYERS
 - 9.1.5. COUNTRY ANALYSIS
 - 9.1.5.1. UNITED STATES
 - 9.1.5.2. CANADA
 - 9.2. EUROPE
 - 9.2.1. MARKET SIZE & ESTIMATES
 - 9.2.2. KEY GROWTH ENABLERS
 - 9.2.3. KEY CHALLENGES
 - 9.2.4. KEY PLAYERS
 - 9.2.5. COUNTRY ANALYSIS
 - 9.2.5.1. UNITED KINGDOM
 - 9.2.5.2. GERMANY
 - 9.2.5.3. FRANCE
 - 9.2.5.4. ITALY
 - 9.2.5.5. BELGIUM
 - 9.2.5.6. POLAND
 - 9.2.5.7. REST OF EUROPE

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- 9.3. ASIA-PACIFIC
 - 9.3.1. MARKET SIZE & ESTIMATES
 - 9.3.2. KEY GROWTH ENABLERS
 - 9.3.3. KEY CHALLENGES
 - 9.3.4. KEY PLAYERS
 - 9.3.5. COUNTRY ANALYSIS
 - 9.3.5.1. CHINA
 - 9.3.5.2. JAPAN
 - 9.3.5.3. INDIA
 - 9.3.5.4. SOUTH KOREA
 - 9.3.5.5. THAILAND
 - 9.3.5.6. REST OF ASIA-PACIFIC
- 9.4. REST OF WORLD
 - 9.4.1. MARKET SIZE & ESTIMATES
 - 9.4.2. KEY GROWTH ENABLERS
 - 9.4.3. KEY CHALLENGES
 - 9.4.4. KEY PLAYERS
 - 9.4.5. REGIONAL ANALYSIS
 - 9.4.5.1. LATIN AMERICA
 - 9.4.5.2. MIDDLE EAST AND AFRICA
- 10. COMPETITIVE LANDSCAPE
 - 10.1. KEY STRATEGIC DEVELOPMENTS
 - 10.1.1. MERGERS & ACQUISITIONS
 - 10.1.2. PRODUCT LAUNCHES & DEVELOPMENTS
 - 10.1.3. PARTNERSHIPS & AGREEMENTS
 - 10.1.4. BUSINESS EXPANSIONS & DIVESTITURES
 - 10.2. COMPANY PROFILES
 - 10.2.1. ANALOG DEVICES INC
 - 10.2.2. INFINEON TECHNOLOGIES AG
 - 10.2.3. INTEL CORPORATION
 - 10.2.4. MICROCHIP TECHNOLOGY INCORPORATED
 - 10.2.5. MICRON TECHNOLOGY INC
 - 10.2.6. NXP SEMICONDUCTORS NV
 - 10.2.7. ON SEMICONDUCTOR CORPORATION
 - 10.2.8. QUALCOMM TECHNOLOGIES INC
 - 10.2.9. RENESAS ELECTRONICS CORPORATION
 - 10.2.10. ROBERT BOSCH GMBH
 - 10.2.11. ROHM CO LTD
 - 10.2.12. SAMSUNG ELECTRONICS CO LTD
 - 10.2.13. STMICROELECTRONICS NV
 - 10.2.14. TEXAS INSTRUMENTS INCORPORATED
 - 10.2.15. TOSHIBA CORPORATION

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