

## Report Information

More information from: <https://www.marketresearchfuture.com/reports/automotive-chip-market-7676>

# Automotive Chip Market Report – Global Forecast till 2032

Report / Search Code: MRFR/AM/6207-CR

Publish Date: October, 2020

[Request Sample](#)

Price	1-user PDF : \$ 4950.0	Site PDF : \$ 5950.0	Enterprise PDF : \$ 7250.0
-------	------------------------	----------------------	----------------------------

## Description:

### Automotive Chip Market Overview:

The Automotive Chip market industry is projected to grow from USD 56.96 Billion in 2024 to USD 128.08 billion by 2032, exhibiting a compound annual growth rate (CAGR) of 10.66% during the forecast period (2024 - 2032). Automotive Chip Market Size was valued at USD 50.74 billion in 2023. An increase in the digitalization and computerization of the parts of an automobile and the adoption of engine control units are the key market drivers incorporating market growth.

Automotive Chip Market Overview

**Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review**

### Automotive Chip Market Trends

- **Rising advanced driver assistance system is driving the market growth**

The rising advanced driver assistance system drives market CAGR for automotive chip. ADAS technologies, such as adaptive cruise control, lane-keeping assist, and automatic emergency braking, rely heavily on automotive chips for real-time data processing and decision-making. These systems require high-performance chips capable of handling complex algorithms and sensor fusion to ensure accurate and reliable detection of objects and potential hazards on the road. The demand for automotive chips in the ADAS segment is surging as automakers strive to improve vehicle safety and meet regulatory requirements. Furthermore, the evolution towards autonomous driving further amplifies the need for powerful automotive chips to enable higher levels of automation.

Another prominent trend in the automotive industry is the growing adoption of electric vehicles (EVs) as a cleaner and more continuable alternative to traditional internal combustion engine (ICE) vehicles. This shift towards EVs drives the demand for higher power efficiency and increased processing capabilities for automotive chips. Electric vehicles require sophisticated semiconductor solutions for battery management, power electronics, and electric drivetrains. Moreover, integrating advanced features like regenerative braking and infotainment systems necessitates using more powerful and efficient chips. As a result, semiconductor manufacturers are investing heavily in developing automotive chips tailored for electric vehicles to meet the rising demand in this segment.

The Automotive Chip Market has recently experienced significant disruptions due to supply chain challenges, which have profoundly impacted the industry. The COVID-19 pandemic exposed vulnerabilities in global supply chains, disrupting the production and distribution of automotive chips. The closing of factories and restrictions on international trade hampered chip manufacturing, leading to a supply shortage. This shortage and the increasing demand for automotive chips resulted in production delays and higher vehicle prices. Automakers and chip manufacturers are now focusing on diversifying their supply chains, enhancing domestic production capacities, and implementing measures to mitigate future disruptions. The supply chain challenges faced by the automotive chip market serve as a reminder of the importance of building resilient and flexible supply networks. For instance, the industry has faced supply chain disruptions, leading to production delays and higher prices. Overcoming these challenges and ensuring a resilient supply chain will be crucial for the sustained growth of the Automotive Chip Market. As the automotive industry continues to evolve, semiconductor manufacturers and automakers must stay at the forefront of technological advancements to meet the demands of the future mobility landscape to drive the Automotive Chip market revenue.

### Automotive Chip Market Segment Insights:

## Automotive Chip Product Insights

The Automotive Chip Market segmentation, based on product, includes analog ICs, microcontrollers & microprocessors, and logic ICs. The microcontrollers & microprocessors category generate the most income, as they control various functions in the vehicle's electronic systems.

## Automotive Chip Application Insights

The Automotive Chip Market segmentation, based on application, includes body electronics, telematics & infotainment, powertrain, safety system, and chassis. The safety system segment dominated the market. Increasing mandatory safety technologies, such as airbags and digital connectivity, boosts the segment.

## Automotive Chip Vehicle Type Insights

The Automotive Chip Market segmentation, based on vehicle type, includes passenger car and commercial vehicles. The passenger car dominated the market due to the growing demand for advanced features and connected services in mainstream vehicles.

## Automotive Chip Propulsion Insights

The Automotive Chip Market segmentation, based on propulsion, includes ICE, BEVs, and HEVs. The ICE segment dominated the market due to the high-efficiency power modules enabling the highest driving range and faster recharge in modern electric vehicles.

**Figure 1: Automotive Chip Market, by Propulsion, 2022 & 2032 (USD billion)**

Automotive Chip Market, by Propulsion, 2022 & 2032

**Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review**

## Automotive Chip Regional Insights

By Region, the study provides market insights into North America, Europe, Asia-Pacific, and the Rest of the World. The North American Automotive Chip market area will dominate this market due to the presence of major automobile manufacturers and the well-established semiconductor industry. The region has been at the forefront of adopting new automotive technologies, such as EVs and autonomous vehicles, which has increased the demand for automotive chips. Furthermore, government initiatives to promote electric mobility and stringent safety regulations have also propelled the growth of the automotive chip market in North America.

Further, the major countries studied in the market report are The U.S., Canada, Germany, France, the UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

**Figure 2: Automotive Chip Market Share By Region 2022 (%)**

Automotive Chip Market Share By Region 2022

**Source: Secondary Research, Primary Research, MRFR Database, and Analyst Review**

Europe's Automotive Chip market accounts for the second-largest market share owing to the presence of renowned automobile manufacturers like Volkswagen, BMW, and Daimler. The region has actively invested in developing EV infrastructure and promoting sustainable mobility solutions. Stringent emission regulations and the introduction of Euro 6 standards have accelerated the adoption of EVs, boosting the demand for automotive chips. Further, the German Automotive Chip market held the largest market share, and the UK Automotive Chip market was the rapid-growing market in the European region.

The Asia-Pacific Automotive Chip Market is subjected to growth at a rapid CAGR from 2023 to 2032 due to rapid urbanization, increasing disposable incomes, and a great consumer base in the region have fueled the demand for automobiles, thereby driving the automotive chip market. Moreover, China's Automotive Chip market held the largest market share, and the Indian Automotive Chip market was the rapid-growing market in the Asia-Pacific region.

For instance, as the automotive industry continues to evolve with the advent of electric and autonomous vehicles, the demand for automotive chips will further escalate, making regional analysis crucial for understanding market dynamics and identifying growth opportunities.

## Automotive Chip Key Market Players & Competitive Insights

Leading market players are investing heavily in research and development to expand their product lines, which will help the Automotive Chip market grow even more. Market participants are also undertaking various strategic activities to expand their global footprint, with important market developments including new product launches, contractual agreements, mergers and acquisitions, higher investments, and collaboration with other organizations. The Automotive Chip industry must offer cost-effective items to expand and survive in a more competitive and rising market climate.

Manufacturing locally to minimize operational costs is one of the key business tactics manufacturers use in the global Automotive Chip industry to benefit clients and increase the market sector. The Automotive Chip industry has recently offered some of the most significant medical advantages. Major players in the Automotive Chip market, including STMicroelectronics (Switzerland), Infineon Technologies (Germany), Toshiba Corporation (Japan), ON Semiconductor (US), Renesas Electronics (Japan), Robert Bosch GmbH (Germany), NXP Semiconductors (Netherlands), Texas Instruments Incorporated (US), ROHM Semiconductor (Japan), Denso Corporation (Japan), and others, are attempting to increase market demand by investing in research and development operations.

Tesla, Inc., founded in 2003, located in Austin, Texas, United States, is an American multinational automotive and clean energy company. It designs and manufactures electric cars and trucks, solar panels, battery energy storage, solar roof tiles, and all the other related products. In September 2021, Tesla launched its new Model S Plaid, which includes a new infotainment system powered by a custom-built chip, the Tesla Full Self-Driving (FSD) computer. This chip is designed to provide the necessary computing power for the vehicle's advanced ADAS features and is a key component in Tesla's strategy to develop fully autonomous vehicles.

Microchip Technology Inc., founded in 1989 and located in Chandler, Arizona, United States of America, is an American Corporation that manufactures microcontrollers, analog, mixed-signal, serial EEPROM devices, embedded security devices, linear interfaces, and wireless products. In October 2020, Microchip Technology Inc. announced the acquisition of Tekron International Limited, a global leader in providing high-precision GPS and atomic clock time-keeping technologies and solutions for the smart grid and other industrial applications.

### Key Companies in the Automotive Chip market include

- STMicroelectronics (Switzerland)
- Infineon Technologies (Germany)
- Toshiba Corporation (Japan)
- ON Semiconductor (US)
- Renesas Electronics (Japan)
- Robert Bosch GmbH (Germany)
- NXP Semiconductors (Netherlands)
- Texas Instruments Incorporated (US)
- ROHM Semiconductor (Japan)
- Denso Corporation (Japan)

### Automotive Chip Industry Developments

**June 2021:** Infineon Technologies AG, its Time-of-Flight (TOF) partner and technologies ag, and the leading vision-based imaging specialist ArcSoft announced the development of a turnkey solution that enables a ToF camera to work under the display of commercial smartphones. It would provide dependable, high-quality coral images and 3D data for security-related applications like face ID and mobile payment.

**May 2022:** Continental (Germany) extended its sensor portfolio by launching several new sensors for electrified vehicles: the Current Sensor Module and the Battery Impact Detection system. The new solutions focus on protecting the battery and on battery parameter retention.

**January 2024 :** The semiconductor firm AMD has introduced two new automotive chips for its customers in the automobile industry. The Versal AI Edge XA adaptable SoC and the Ryzen Embedded V2000A are two products that are designed to assist automobile manufacturers in providing improved information and entertainment services, as well as advanced driver safety and autonomous driving services.

The Versal AI Edge XA adaptive SoCs come equipped with what AMD refers to as an advanced artificial intelligence engine. This engine makes it possible for the devices to be further optimized for next-generation advanced automotive systems and applications. Some examples of these include forward cameras, in-cabin monitoring, LiDAR, 4D radar, surround-view, automated parking, and autonomous driving. The vendor also claims increased security that is in accordance with the norms of the automotive industry. The product is built on a 7nm manufacturing node.

According to AMD, the artificial intelligence engines that are available in the chipset are able to manage several sorts of AI models, including categorization and feature tracking. In the first half of this year, the first gadgets in the range will be made available for purchase, and other releases are scheduled to take place in 2024.

AMD believes that it is addressing a market that is rapidly expanding, as more modern vehicles have an ever-increasing number of CPUs. Automotive manufacturers will, in the not-too-distant future, utilize applications for autonomous vehicles in order to develop their brand identities. Due to the fact that these applications rely largely on artificial intelligence, automobile manufacturers require computing platforms that are capable of providing AI compute that is both powerful and efficient.

In the period between 2024 and 2030, the number of highly autonomous vehicles that are expected to be shipped

annually is projected to increase at a rate of 41%. This indicates that there is a good development opportunity for producers of heterogeneous SoCs that have powerful and efficient AI computation.

### **Automotive Chip Market Segmentation:**

#### **Automotive Chip Product Outlook**

- Analog ICs
- Microcontrollers & Microprocessors
- Logic ICs

#### **Automotive Chip Application Outlook**

- Body Electronics
- Telematics & Infotainment
- Powertrain
- Safety system
- Chassis

#### **Automotive Chip Vehicle Type Outlook**

- Passenger Car
- Commercial Vehicle

#### **Automotive Chip Propulsion Outlook**

- ICE
- BEVs
- HEVs

#### **Automotive Chip Regional Outlook**

- **North America**
  - US
  - Canada
- **Europe**
  - Germany
  - France
  - UK
  - Italy
  - Spain
  - Rest of Europe
- **Asia-Pacific**
  - China

- Japan
- India
- Australia
- South Korea
- Australia
- Rest of Asia-Pacific

## Rest of the World

- Middle East
- Africa
- Latin America

### Table of Content:

Contents	
1 Executive Summary	
2 Market Introduction	
2.1 Definition	17
2.2 Scope of the Study	17
2.3 List of Assumptions	18
2.4 Market Structure	18
3 Research Methodology	
3.1 Research Process	20
3.2 Primary Research	21
3.3 Secondary Research	22
3.4 Market Size Estimation	22
3.5 Forecast Model	23
4 Market Dynamics	
4.1 Introduction	25
4.2 Drivers	26
4.2.1 Increased Automotive-Semiconductor sales	26
4.2.2 Booming Automotive Industry Coupled with the Increasing Registration of New Cars	27
4.2.3 Stringent Government Regulations on Automotive safety and Reducing Vehicle Emission	28
4.2.4 Driver Impact Analysis	28
4.3 Restraint	29
4.3.1 Risk of Operational Failures	29
4.3.2 Restraint Impact Analysis	29
4.4 Opportunities	29
4.4.1 Increased Sales of Hybrid and Electric Vehicle	29
4.4.2 Increasing Auto-Manufacturers in the Emerging Economies	31
5 Market Factor Analysis	
5.1 Porter's Five Forces Model	33
5.1.1 Threat of New Entrants	33
5.1.2 Bargaining Power of Suppliers	34
5.1.3 Bargaining Power of Buyers	34
5.1.4 Threat of Substitutes	34
5.1.5 Rivalry	34
5.2 Supply Chain Analysis	34
5.2.1 Design and Development	35
5.2.2 Raw Material/Component Supply	35
5.2.3 Manufacturing	35
5.2.4 Supply and Distribution	36
5.2.5 End-Use	36
5.3 Technology Trends	36
5.3.1 Advanced Automotive Systems with 3D NAND Flash Drive	36
5.3.2 Packaging Chip for Automotive	36
5.4 Patent Trends	37
6 Global Automotive Chip Market, by Product	
6.1 Overview	42
6.1.1 Analog ICs	42
6.1.2 Microcontrollers & Microprocessors	42
6.1.3 Logic ICs	42
6.1.4 Others	42
7 Global Automotive Chip Market, by Application	
7.1 Overview	45
7.1.1 Body Electronics	45
7.1.2 Telematics & Infotainment	45
7.1.3 Powertrain	45
7.1.4 Safety System	45
7.1.5 Chassis	46
8 Global Automotive Chip Market, by Vehicle Type	
8.1 Overview	48
8.1.1 Passenger Car	48
8.1.2 Commercial Vehicle	48
9 Global Automotive Chip Market, by Propulsion	

9.1 Overview	51
9.1.1 ICE	51
9.1.2 BEVs	51
9.1.3 HEVs	52
10 Global Automotive Chip Market, by Region	
10.1 Introduction	54
10.2 North America	55
10.2.1 US	58
10.2.2 Mexico	60
10.2.3 Canada	62
10.3 Europe	64
10.3.1 Germany	67
10.3.2 UK	69
10.3.3 France	71
10.3.4 Italy	73
10.3.5 Rest of Europe	75
10.4 Asia-Pacific	77
10.4.1 China	80
10.4.2 Japan	82
10.4.3 India	84
10.4.4 Rest of Asia-Pacific	86
10.5 Rest of the World	88
10.5.1 South America	91
10.5.2 Middle East & Africa	93
11 Competitive Landscape	
11.1 Competitive Scenario	96
11.2 Market Share Analysis	96
11.3 Competitor Benchmarking	97
11.4 Key Strategy Analysis	98
12 Company Profile	
12.1 NXP Semiconductors	101
12.1.1 Company Overview	101
12.1.2 Financial Overview	101
12.1.3 Products/Services Offered	102
12.1.4 Key Developments	102
12.1.5 SWOT Analysis	103
12.1.6 Key Strategies	103
12.2 Infineon Technologies AG	104
12.2.1 Company Overview	104
12.2.2 Financial Overview	104
12.2.3 Products/Services Offered	105
12.2.4 Key Developments	106
12.2.5 SWOT Analysis	106
12.2.6 Key Strategies	106
12.3 Renesas Electronics Corporation	107
12.3.1 Company Overview	107
12.3.2 Financial Overview	107
12.3.3 Products/Services Offered	109
12.3.4 Key Developments	110
12.3.5 SWOT Analysis	110
12.3.6 Key Strategies	110
12.4 STMicroelectronics	112
12.4.1 Company Overview	112
12.4.2 Financial Overview	112
12.4.3 Products/Services Offered	113
12.4.4 Key Developments	114
12.4.5 SWOT Analysis	114
12.4.6 Key Strategies	114
12.5 Texas Instruments Incorporated	115
12.5.1 Company Overview	115
12.5.2 Financial Overview	115
12.5.3 Products/Services Offered	117
12.5.4 Key Developments	118
12.5.5 SWOT Analysis	118
12.5.6 Key Strategies	118
12.6 Robert Bosch GmbH	119
12.6.1 Company Overview	119
12.6.2 Financial Overview	120
12.6.3 Products/Services Offered	121
12.6.4 Key Developments	122
12.6.5 SWOT Analysis	122
12.6.6 Key Strategies	123
12.7 ON Semiconductor	124
12.7.1 Company Overview	124
12.7.2 Financial Overview	124
12.7.3 Products/Services Offered	125
12.7.4 Key Developments	126
12.7.5 SWOT Analysis	126
12.7.6 Key Strategies	126
12.8 Denso Corporation	127
12.8.1 Company Overview	127
12.8.2 Financial Overview	127
12.8.3 Products/Services Offered	129
12.8.4 Key Developments	129
12.8.5 SWOT Analysis	130
12.8.6 Key Strategies	130
12.9 Toshiba Corporation	131
12.9.1 Company Overview	131
12.9.2 Financial Overview	131
12.9.3 Products/Services Offered	132
12.9.4 Key Developments	133
12.9.5 SWOT Analysis	133
12.9.6 Key Strategies	133

12.10 ROHM Semiconductor	134
12.10.1 Company Overview	134
12.10.2 Financial Overview	134
12.10.3 Products/Services Offered	135
12.10.4 Key Developments	136
12.10.5 SWOT Analysis	136
12.10.6 Key Strategies	136

## 13 List of Tables

TABLE 1 MARKET SYNOPSIS	15
TABLE 2 LIST OF ASSUMPTIONS	18
TABLE 3 MAJOR GRANTED PATENTS ON AUTOMOTIVE CHIP (1 JANUARY 2013–3 JANUARY 2019)	37
TABLE 4 GLOBAL AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	43
TABLE 5 GLOBAL AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	46
TABLE 6 GLOBAL AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	49
TABLE 7 GLOBAL AUTOMOTIVE CHIP MARKET, BY PROPULSION 2023-2032 (USD MILLION)	52
TABLE 8 GLOBAL AUTOMOTIVE CHIP MARKET, BY REGION, 2023-2032 (USD MILLION)	54
TABLE 9 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023-2032 (USD MILLION)	55
TABLE 10 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	56
TABLE 11 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	56
TABLE 12 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	57
TABLE 13 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	57
TABLE 14 US: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	58
TABLE 15 US: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	58
TABLE 16 US: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	59
TABLE 17 US: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	59
TABLE 18 MEXICO: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	60
TABLE 19 MEXICO: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	60
TABLE 20 MEXICO: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	61
TABLE 21 MEXICO: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	61
TABLE 22 CANADA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	62
TABLE 23 CANADA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	62
TABLE 24 CANADA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	63
TABLE 25 CANADA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	63
TABLE 26 EUROPE: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023-2032 (USD MILLION)	64
TABLE 27 EUROPE: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	65
TABLE 28 EUROPE: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	65
TABLE 29 EUROPE: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	66
TABLE 30 EUROPE: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	66
TABLE 31 GERMANY: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	67
TABLE 32 GERMANY: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	67
TABLE 33 GERMANY: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	68
TABLE 34 GERMANY: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	68
TABLE 35 UK: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	69
TABLE 36 UK: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	69
TABLE 37 UK: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	70
TABLE 38 UK: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	70
TABLE 39 FRANCE: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	71
TABLE 40 FRANCE: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	71
TABLE 41 FRANCE: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	72
TABLE 42 FRANCE: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	72
TABLE 43 ITALY: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	73
TABLE 44 ITALY: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	73
TABLE 45 ITALY: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	74
TABLE 46 ITALY: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	74
TABLE 47 REST OF EUROPE: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	75
TABLE 48 REST OF EUROPE: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	75
TABLE 49 REST OF EUROPE: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	76
TABLE 50 REST OF EUROPE: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	76
TABLE 51 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023-2032 (USD MILLION)	77
TABLE 52 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	78
TABLE 53 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	78
TABLE 54 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	79
TABLE 55 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	79
TABLE 56 CHINA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	80
TABLE 57 CHINA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	80
TABLE 58 CHINA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	81
TABLE 59 CHINA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	81
TABLE 60 JAPAN: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	82
TABLE 61 JAPAN: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	82
TABLE 62 JAPAN: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	83
TABLE 63 JAPAN: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	83
TABLE 64 INDIA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	84
TABLE 65 INDIA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	84
TABLE 66 INDIA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	85
TABLE 67 INDIA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	85
TABLE 68 REST OF ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	86
TABLE 69 REST OF ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	86
TABLE 70 REST OF ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	87
TABLE 71 REST OF ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	87
TABLE 72 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY REGION, 2023-2032 (USD MILLION)	88
TABLE 73 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	89
TABLE 74 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	89
TABLE 75 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	90
TABLE 76 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	90
TABLE 77 SOUTH AMERICA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	91
TABLE 78 SOUTH AMERICA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	92

TABLE 79 SOUTH AMERICA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	92
TABLE 80 SOUTH AMERICA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	92
TABLE 81 MIDDLE EAST & AFRICA: AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023-2032 (USD MILLION)	93
TABLE 82 MIDDLE EAST & AFRICA: AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023-2032 (USD MILLION)	93
TABLE 83 MIDDLE EAST & AFRICA: AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023-2032 (USD MILLION)	94
TABLE 84 MIDDLE EAST & AFRICA: AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023-2032 (USD MILLION)	94
TABLE 85 KEY DEVELOPMENT STRATEGIES OF MAJOR PLAYERS: GLOBAL AUTOMOTIVE CHIP MARKET	99
TABLE 86 NXP SEMICONDUCTORS: PRODUCTS/SERVICES OFFERED	102
TABLE 87 NXP SEMICONDUCTORS: PRODUCTS/SERVICES OFFERED	102
TABLE 88 INFINEON TECHNOLOGIES AG: PRODUCTS/SERVICES OFFERED	105
TABLE 89 INFINEON TECHNOLOGIES AG: KEY DEVELOPMENTS	106
TABLE 90 RENESAS ELECTRONICS CORPORATION: PRODUCTS/SERVICES OFFERED	109
TABLE 91 RENESAS ELECTRONICS CORPORATION: PRODUCTS/SERVICES OFFERED	110
TABLE 92 STMICROELECTRONICS: PRODUCTS/SERVICES OFFERED	113
TABLE 93 STMICROELECTRONICS: KEY DEVELOPMENTS	114
TABLE 94 TEXAS INSTRUMENTS INCORPORATED: PRODUCTS/SERVICES OFFERED	117
TABLE 95 TEXAS INSTRUMENTS INCORPORATED: KEY DEVELOPMENTS	118
TABLE 96 ROBERT BOSCH GMBH: PRODUCTS/SERVICES OFFERED	121
TABLE 97 ROBERT BOSCH GMBH: KEY DEVELOPMENTS	122
TABLE 98 ON SEMICONDUCTOR: PRODUCTS/SERVICES OFFERED	125
TABLE 99 ON SEMICONDUCTOR: KEY DEVELOPMENTS	126
TABLE 100 DENSO CORPORATION.: PRODUCTS/SERVICES OFFERED	129
TABLE 101 DENSO CORPORATION.: KEY DEVELOPMENTS	129
TABLE 102 TOSHIBA CORPORATION: PRODUCTS/SERVICES OFFERED	132
TABLE 103 TOSHIBA CORPORATION: PRODUCTS/SERVICES OFFERED	133
TABLE 104 ROHM SEMICONDUCTOR: PRODUCTS/SERVICES OFFERED	135
TABLE 105 ROHM SEMICONDUCTOR: KEY DEVELOPMENTS	136

#### 14 List of Figures

FIGURE 1 GLOBAL AUTOMOTIVE CHIP MARKET: MARKET STRUCTURE	18
FIGURE 2 RESEARCH PROCESS OF MRFR	20
FIGURE 3 TOP-DOWN AND BOTTOM-UP APPROACHES	23
FIGURE 4 DROC ANALYSIS OF GLOBAL AUTOMOTIVE CHIP MARKET	25
FIGURE 5 AUTOMOTIVE-SEMICONDUCTOR SALES, BY REGION AND COUNTRY (2010 – 2023)	26
FIGURE 6 GLOBAL SALES OF NEW VEHICLES, 2023-2032	27
FIGURE 7 DRIVER IMPACT ANALYSIS: GLOBAL AUTOMOTIVE CHIP MARKET	28
FIGURE 8 RESTRAINT IMPACT ANALYSIS: GLOBAL AUTOMOTIVE CHIP MARKET	29
FIGURE 9 SALES OF ELECTRIC VEHICLE (NO. OF VEHICLES)	30
FIGURE 10 PORTER'S FIVE FORCES MODEL: GLOBAL AUTOMOTIVE CHIP MARKET	33
FIGURE 11 SUPPLY CHAIN: GLOBAL AUTOMOTIVE CHIP MARKET	35
FIGURE 12 GLOBAL AUTOMOTIVE CHIP MARKET, BY PRODUCT, 2023 (% SHARE)	43
FIGURE 13 GLOBAL AUTOMOTIVE CHIP MARKET, BY APPLICATION, 2023 (% SHARE)	46
FIGURE 14 GLOBAL AUTOMOTIVE CHIP MARKET, BY VEHICLE TYPE, 2023 (% SHARE)	48
FIGURE 15 GLOBAL AUTOMOTIVE CHIP MARKET, BY PROPULSION, 2023 (% SHARE)	52
FIGURE 16 GLOBAL AUTOMOTIVE CHIP MARKET, BY REGION, 2023 (USD MILLION)	54
FIGURE 17 NORTH AMERICA: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023 (%)	55
FIGURE 18 EUROPE: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023 (%)	64
FIGURE 19 ASIA-PACIFIC: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023 (%)	77
FIGURE 20 REST OF THE WORLD: AUTOMOTIVE CHIP MARKET, BY COUNTRY, 2023 (%)	88
FIGURE 21 GLOBAL AUTOMOTIVE CHIP MARKET SHARE, 2023 (%)	96
FIGURE 22 BENCHMARKING OF THE MAJOR COMPETITORS	97
FIGURE 23 KEY STRATEGY ANALYSIS: GLOBAL AUTOMOTIVE CHIP MARKET	98
FIGURE 24 NXP SEMICONDUCTORS: TOTAL REVENUE, 2023-2032 (USD MILLION)	101
FIGURE 25 NXP SEMICONDUCTORS: AUTOMOTIVE CHIP SHARE, 2023 (%)	102
FIGURE 26 NXP SEMICONDUCTORS: SWOT ANALYSIS	103
FIGURE 27 INFINEON TECHNOLOGIES AG: TOTAL REVENUE, 2023-2032 (USD MILLION)	104
FIGURE 28 INFINEON TECHNOLOGIES AG: AUTOMOTIVE CHIP SHARE, 2023 (%)	105
FIGURE 29 INFINEON TECHNOLOGIES AG: REGIONAL REVENUE SHARE, 2023 (%)	105
FIGURE 30 INFINEON TECHNOLOGIES AG: SWOT ANALYSIS	106
FIGURE 31 RENESAS ELECTRONICS CORPORATION: TOTAL REVENUE, 2023-2032 (USD MILLION)	107
FIGURE 32 RENESAS ELECTRONICS CORPORATION: AUTOMOTIVE CHIP SHARE, 2023 (%)	108
FIGURE 33 RENESAS ELECTRONICS CORPORATION: REGIONAL REVENUE SHARE, 2023 (%)	108
FIGURE 34 RENESAS ELECTRONICS CORPORATION: SWOT ANALYSIS	110
FIGURE 35 STMICROELECTRONICS: TOTAL REVENUE, 2023-2032 (USD MILLION)	112
FIGURE 36 STMICROELECTRONICS: AUTOMOTIVE CHIP SHARE, 2023 (%)	112
FIGURE 37 STMICROELECTRONICS: REGIONAL REVENUE SHARE, 2023 (%)	113
FIGURE 38 STMICROELECTRONICS: SWOT ANALYSIS	114
FIGURE 39 TEXAS INSTRUMENTS INCORPORATED: TOTAL REVENUE, 2023-2032 (USD MILLION)	115
FIGURE 40 TEXAS INSTRUMENTS INCORPORATED: AUTOMOTIVE CHIP SHARE, 2023 (%)	116
FIGURE 41 TEXAS INSTRUMENTS INCORPORATED: REGIONAL REVENUE SHARE, 2023 (%)	116
FIGURE 42 TEXAS INSTRUMENTS INCORPORATED: SWOT ANALYSIS	118
FIGURE 43 ROBERT BOSCH GMBH: TOTAL REVENUE, 2023-2032 (USD MILLION)	120
FIGURE 44 ROBERT BOSCH GMBH: AUTOMOTIVE CHIP SHARE, 2023 (%)	120
FIGURE 45 ROBERT BOSCH GMBH: REGIONAL REVENUE SHARE, 2023 (%)	120
FIGURE 46 ROBERT BOSCH GMBH: SWOT ANALYSIS	122
FIGURE 47 ON SEMICONDUCTOR: TOTAL REVENUE, 2023-2032 (USD MILLION)	124
FIGURE 48 ON SEMICONDUCTOR: AUTOMOTIVE CHIP SHARE, 2023 (%)	125
FIGURE 49 ON SEMICONDUCTOR: REGIONAL REVENUE SHARE, 2023 (%)	125
FIGURE 50 ON SEMICONDUCTOR: SWOT ANALYSIS	126
FIGURE 51 DENSO CORPORATION: TOTAL REVENUE, 2023-2032 (USD MILLION)	127
FIGURE 52 DENSO CORPORATION: AUTOMOTIVE CHIP SHARE, 2023 (%)	128
FIGURE 53 DENSO CORPORATION: REGIONAL REVENUE, 2023 (%)	128
FIGURE 54 DENSO CORPORATION: SWOT ANALYSIS	130
FIGURE 55 TOSHIBA CORPORATION: TOTAL REVENUE, 2023-2032 (USD MILLION)	131
FIGURE 56 TOSHIBA CORPORATION: AUTOMOTIVE CHIP SHARE, 2023 (%)	132
FIGURE 57 TOSHIBA CORPORATION: REGIONAL REVENUE SHARE, 2023 (%)	132
FIGURE 58 TOSHIBA CORPORATION: SWOT ANALYSIS	133
FIGURE 59 ROHM SEMICONDUCTOR: TOTAL REVENUE, 2023-2032 (USD MILLION)	134
FIGURE 60 ROHM SEMICONDUCTOR: AUTOMOTIVE CHIP SHARE, 2023 (%)	135



---

<https://www.marketresearchfuture.com> / Phone +1 628 258 0071(US) / +44 2035 002 764(UK)