

Automotive Semiconductor Market Research Report Forecast 2030

Market Report | 2022-11-01 | 100 pages | Market Research Future

AVAILABLE LICENSES:

- Single User Price \$4950.00
- Enterprisewide Price \$7250.00

Report description:

Automotive Semiconductor Market Research Report Forecast 2030

Market Overview

The automotive semiconductor market is expected to witness a significant CAGR of 8.8% by the end of 2030. There is a growing requirement for automotive semiconductors due to the increasing popularity of electric vehicles around the world. The semiconductors utilized in the automotive company offer upfront consoles, cell joining, solace, independent driving guides, and execution. The expansion in intricacy in these administrations has expanded the interest for automotive semiconductors and gives a strong long-haul development motor.

Lately, the expense of electric vehicles has been nearly exceptionally high because of the great assembling costs. The development of new companies in the electric vehicle portion brought new creative thoughts and advancements which assisted in diminishing the creation with costing of vehicle jolt. This brought about shoppers moving concentration to the electric vehicle portion. The ascent in fuel costs has additionally raised the speed of vehicle charges. Rising wellbeing highlights in vehicles are supposed to drive the automotive semiconductor market development over the figure period. Notwithstanding, a log jam in the automotive business hampers market development. Besides, the developing interest in electric vehicles (EVs) is supposed to set out open doors for the worldwide automotive semiconductor market players.

Market Segmentation

The Automotive Semiconductor market is classified in terms of component, application, vehicle type, vehicle propulsion, and regions.

The Component segment is divided into terms of Processor, Analog IC, Discrete Power Device, Sensor, Memory Device, and Logic. In terms of Application, the market is classified into Powertrain, Safety, Body Electronics, Chassis, and Telematics, and infotainment. The Vehicle Type segment comprises Passenger Car, Light Commercial Vehicle, and Heavy Commercial Vehicle. Vehicle Propulsion type is bifurcated into Electric Vehicle and ICE Vehicle.

Regional Analysis

The automotive semiconductor industry is anticipated to grow rapidly in North America, which will also account for the largest portion of the global market during the forecast period. The US, Mexico, and Canada are three of the largest auto-producing nations in the region. Major automakers including Ford Motor Company, Toyota Motor Corporation, General Motors, and Chevrolet Motor Company are all based in the US.

Scotts International, EU Vat number: PL 6772247784

The Asia-Pacific automotive semiconductor market is expanding quickly. China, India, and Japan are three of the biggest producers of automobiles in the region. Automotive semiconductor demand is now quite high. Due to the availability of a cheap labor force and a robust local economy, foreign companies are setting up their manufacturing facilities and collaborating with local businesses to form joint ventures.

Major Players.

The key players operating in the global automotive semiconductor market are NXP Semiconductors, Renesas Electronics, Robert Bosch GmbH, ON Semiconductor, ROHM, Toshiba, Infineon Technologies, STMicroelectronics, Texas Instruments, and Analog Devices.

COVID 19 Impacts

We are continuously tracking the impact of the COVID-19 pandemic on various industries and verticals within all domains. Our research reports include the same and help you understand the drop and rise, owing to the impact of COVID-19 on the industries. Also, we help you to identify the gap between the demand and supply of your interested market. Moreover, the report helps you with the analysis, amended government regulations, and many other useful insights.

Table of Contents:

TABLE OF CONTENTS

- 1 EXECUTIVE SUMMARY
- 1.1 MARKET ATTRACTIVENESS ANALYSIS
- 2 MARKET INTRODUCTION
- 2.1 DEFINITION
- 2.2 SCOPE OF THE STUDY
- 2.3 RESEARCH OBJECTIVE
- 2.4 MARKET STRUCTURE
- 3 RESEARCH METHODOLOGY
- 4 MARKET DYNAMICS
- 4.1 INTRODUCTION
- 4.2 DRIVERS
- 4.2.1 INCREASING TREND OF VEHICLE ELECTRIFICATION
- 4.2.2 INCREASE IN SAFETY FEATURES IN VEHICLES
- 4.2.3 DRIVER IMPACT ANALYSIS

Scotts International. EU Vat number: PL 6772247784

4.3 RESTRAINTS
4.3.1 SLOWDOWN IN THE AUTOMOTIVE INDUSTRY
4.3.2 RESTRAINT IMPACT ANALYSIS
4.4 OPPORTUNITIES
4.4.1 GROWING DEMAND FOR EV
4.5 IMPACT OF COVID 19 ON AUTOMOTIVE SEMICONDUCTOR MARKET
4.5.1 IMPACT ON THE OVERALL AUTOMOTIVE SEMICONDUCTOR INDUSTRY
4.5.1.1 ECONOMIC IMPACT
4.5.2 IMPACT ON AUTOMOTIVE PRODUCTION
4.5.2.1 NISSAN
4.5.2.2 RENAULT GROUP
4.5.2.3 VOLVO
4.5.2.4 VOLKSWAGEN GROUP
4.5.2.5 FIAT CHRYSLER AUTOMOBILES
4.5.2.6 HYUNDAI-KIA
4.5.2.7 DAIMLER
4.5.3 IMPACT ON THE SUPPLY CHAIN OF AUTOMOTIVE SEMICONDUCTOR

4.5.3.1 PRICE VARIATION IN KEY RAW MATERIAL

- 4.5.3.2 PRODUCTION SLOWDOWN
- 4.5.3.3 IMPACT ON IMPORT/EXPORT
- 4.5.3.4 IMPACT DUE TO RESTRICTION/LOCKDOWN
- 4.5.4 IMPACT ON PRICING OF AUTOMOTIVE SEMICONDUCTORS
- 4.5.5 IMPACT ON WORLD TRADE

Scotts International. EU Vat number: PL 6772247784

5.1 SUPPLY CHAIN ANALYSIS 5.1.1 RESEARCH & DEVELOPMENT CENTER 5.1.2 MATERIAL SUPPLIERS AND FOUNDRIES **5.1.3 COMPONENT MANUFACTURERS 5.1.4 SUBSYSTEM INTEGRATORS** 5.1.5 END USERS 5.2 PORTER'S FIVE FORCES MODEL 5.2.1 THREAT OF NEW ENTRANTS 5.2.2 BARGAINING POWER OF SUPPLIERS **5.2.3 THREAT OF SUBSTITUTES** 5.2.4 BARGAINING POWER OF BUYERS 5.2.5 INTENSITY OF RIVALRY 6 AUTOMOTIVE SEMICONDUCTOR COMPONENT ANALYSIS 6.1 INTRODUCTION 6.2 PROCESSOR 6.3 ANALOG IC 6.4 DISCRETE POWER DEVICE 6.5 SENSOR 6.6 MEMORY DEVICE 6.7 LOGIC 7 GLOBAL AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION 7.1 INTRODUCTION 7.2 POWERTRAIN

5 MARKET FACTOR ANALYSIS

Scotts International. EU Vat number: PL 6772247784

7.3 SAFETY
7.4 BODY ELECTRONICS
7.5 CHASSIS
7.6 TELEMATICS AND INFOTAINMENT
8 GLOBAL AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE
8.1 INTRODUCTION
8.2 PASSENGER CAR
8.3 LIGHT COMMERCIAL VEHICLE
8.4 HEAVY COMMERCIAL VEHICLE
9 GLOBAL AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION
9.1 INTRODUCTION
9.2 ELECTRIC VEHICLE
9.3 ICE VEHICLE
10 GLOBAL AUTOMOTIVE SEMICONDUCTOR MARKET, BY REGION
10.1 OVERVIEW
10.2 NORTH AMERICA
10.2.1 NORTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
10.2.2 NORTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
10.2.3 NORTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
10.2.4 US
10.2.4.1 US AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
10.2.4.2 US AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
10.2.4.3 US AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

- 10.2.5.1 CANADA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.2.5.2 CANADA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.2.5.3 CANADA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.2.6 MEXICO
- 10.2.6.1 MEXICO AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.2.6.2 MEXICO AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.2.6.3 MEXICO AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.3 EUROPE
- 10.3.1 EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.2 EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.3 EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- **10.3.4 GERMANY**
- 10.3.4.1 GERMANY AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.4.2 GERMANY AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.4.3 GERMANY AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.3.5 FRANCE
- 10.3.5.1 FRANCE AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.5.2 FRANCE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.5.3 FRANCE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.3.6 UK
- 10.3.6.1 UK AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.6.2 UK AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.6.3 UK AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

- 10.3.7.1 ITALY AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.7.2 ITALY AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.7.3 ITALY AUTOMOTIVE SEMICONDUCTOR MARKET, BY PROPULSION, 2018-2030 (USD MILLION)
- 10.3.8 REST OF EUROPE
- 10.3.8.1 REST OF EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.3.8.2 REST OF EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.3.8.3 REST OF EUROPE AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.4 ASIA-PACIFIC
- 10.4.1 ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2030 (USD MILLION)
- 10.4.2 ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.4.3 ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.4.4 ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.4.5 CHINA
- 10.4.5.1 CHINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.4.5.2 CHINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.4.5.3 CHINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.4.6 INDIA
- 10.4.6.1 INDIA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
- 10.4.6.2 INDIA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
- 10.4.6.3 INDIA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
- 10.4.7 JAPAN
- 10.4.7.1 JAPAN AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.4.7.2 JAPAN AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.4.7.3 JAPAN AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.4.8 REST OF ASIA-PACIFIC

10.4.8.1 REST OF ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.4.8.2 REST OF ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.4.8.3 REST OF ASIA-PACIFIC AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.5 SOUTH AMERICA

10.5.1 SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY COUNTRY, 2018-2030 (USD MILLION)

10.5.2 SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.5.3 SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.5.4 SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.5.5 BRAZIL

10.5.5.1 BRAZIL AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.5.5.2 BRAZIL AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.5.5.3 BRAZIL AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.5.6 ARGENTINA

10.5.6.1 ARGENTINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.5.6.2 ARGENTINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.5.6.3 ARGENTINA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.5.7 REST OF SOUTH AMERICA

10.5.7.1 REST OF SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)

10.5.7.2 REST OF SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)

10.5.7.3 REST OF SOUTH AMERICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)

10.6 MIDDLE EAST & AFRICA

Scotts International, EU Vat number: PL 6772247784

10.6.1 MIDDLE EAST & AFRICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY APPLICATION, 2018-2030 (USD MILLION)
10.6.2 MIDDLE EAST & AFRICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE TYPE, 2018-2030 (USD MILLION)
10.6.3 MIDDLE EAST & AFRICA AUTOMOTIVE SEMICONDUCTOR MARKET, BY VEHICLE PROPULSION, 2018-2030 (USD MILLION)
11 COMPETITIVE LANDSCAPE
11.1 COMPETITIVE BENCHMARKING
11.2 VENDOR SHARE ANALYSIS
11.3 KEY DEVELOPMENTS & GROWTH STRATEGIES
11.3.1 PRODUCT LAUNCHES/DEVELOPMENTS/ EXPANSION
11.3.2 COLLABORATION/ ACQUISITION/ JOINT VENTURE/ PARTNERSHIP
12 COMPANY PROFILES
12.1 INFINEON TECHNOLOGIES AG.
12.1.1 COMPANY OVERVIEW
12.1.2 FINANCIAL OVERVIEW
12.1.3 PRODUCTS/SERVICES/SOLUTIONS OFFERED
12.1.4 KEY DEVELOPMENTS
12.1.5 SWOT ANALYSIS
12.1.6 KEY STRATEGIES
12.2 STMICROELECTRONICS N.V.
12.2.1 COMPANY OVERVIEW
12.2.2 FINANCIAL OVERVIEW
12.2.3 PRODUCTS/SERVICES/SOLUTIONS OFFERED
12.2.4 KEY DEVELOPMENTS
12.2.5 SWOT ANALYSIS

Scotts International. EU Vat number: PL 6772247784

12.2.6 KEY STRATEGIES	
12.3 ROBERT BOSCH GMBH	
12.3.1 COMPANY OVERVIEW	
12.3.2 FINANCIAL OVERVIEW	
12.3.3 PRODUCTS OFFERED	
12.3.4 KEY DEVELOPMENTS	
12.3.5 SWOT ANALYSIS	
12.3.6 KEY STRATEGIES	
12.4 TOSHIBA CORPORATION	
12.4.1 COMPANY OVERVIEW	
12.4.2 FINANCIAL OVERVIEW	
12.4.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED	
12.4.4 KEY DEVELOPMENTS	
12.4.5 SWOT ANALYSIS	
12.4.6 KEY STRATEGIES	
12.5 ON SEMICONDUCTOR CORPORATION (QUANTENNA COMMUNI	CATIONS INC
12.5.1 COMPANY OVERVIEW	
12.5.2 FINANCIAL OVERVIEW	
12.5.3 PRODUCTS OFFERED	
12.5.4 KEY DEVELOPMENTS	
12.5.5 SWOT ANALYSIS	
12.5.6 KEY STRATEGIES	
12.6 TEXAS INSTRUMENTS INC	
12.6.1 COMPANY OVERVIEW	

Scotts International. EU Vat number: PL 6772247784

12.6.3 PRODUCTS/SERVICES/SOLUTIONS OFFERED
12.6.4 KEY DEVELOPMENTS
12.6.5 SWOT ANALYSIS
12.6.6 KEY STRATEGIES
12.7 NXP SEMICONDUCTORS N.V.
12.7.1 COMPANY OVERVIEW
12.7.2 FINANCIAL OVERVIEW
12.7.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
12.7.4 KEY DEVELOPMENTS
12.7.5 SWOT ANALYSIS
12.7.6 KEY STRATEGIES
12.8 ANALOG DEVICES, INC.
12.8.1 COMPANY OVERVIEW
12.8.2 FINANCIAL OVERVIEW
12.8.3 PRODUCTS OFFERED
12.8.4 KEY DEVELOPMENTS
12.8.5 SWOT ANALYSIS
12.8.6 KEY STRATEGIES
12.9 RENESAS ELECTRONICS CORPORATION
12.9.1 COMPANY OVERVIEW
12.9.2 FINANCIAL OVERVIEW
12.9.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED

12.6.2 FINANCIAL OVERVIEW

Scotts International. EU Vat number: PL 6772247784

- 12.9.4 KEY DEVELOPMENTS
- 12.9.5 SWOT ANALYSIS
- 12.9.6 KEY STRATEGIES
- 12.10 ROHM CO., LTD
- 12.10.1 COMPANY OVERVIEW
- 12.10.2 FINANCIAL OVERVIEW
- 12.10.3 PRODUCTS/SOLUTIONS/SERVICES OFFERED
- 12.10.4 KEY DEVELOPMENTS
- 12.10.5 SWOT ANALYSIS
- 12.10.6 KEY STRATEGIES



Print this form

To place an Order with Scotts International:

Automotive Semiconductor Market Research Report Forecast 2030

Market Report | 2022-11-01 | 100 pages | Market Research Future

☐ - Complete the rel	evant blank fields and sign				
☐ - Send as a scanne	ed email to support@scotts-interna	ational.com			
ORDER FORM:					
Select license	License				
	Single User Price				
Enterprisewide Price					
			VAT		
			Total		
*Please circle the relevan	nt license option. For any questions ple	ease contact support@scc	otts-international.com or 0048 603 3	94 346.	
	23% for Polish based companies, indiv				
_	•				
Email*		Phone*			
First Name*		Last Name*			
Job title*					
Company Name*		EU Vat / Tax ID / NI	P number*		
Address*		City*			
Zip Code*		Country*			
		Date	2025-05-05		
		Signature			