

# Global Automotive Grade Comparator ICs Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G9373A1C0614EN.html>

Date: July 2026

Pages: 108

Price: US\$ 4,480.00 (Single User License)

ID: G9373A1C0614EN

## Abstracts

The global Automotive Grade Comparator ICs market size is expected to reach \$ 549 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

Automotive grade comparator ICs are analog signal decision-making chips designed for vehicle electronic systems. Their core function is to quickly compare an input signal with a reference voltage or another input signal and generate a clear logic output when a threshold is crossed, thereby supporting power-supply voltage monitoring, overvoltage and undervoltage protection, zero-crossing detection, overcurrent detection, sensor triggering, body electronics control, and ADAS front-end signal decision-making. These products are typically required to operate reliably under high and low temperatures, strong electromagnetic interference, power-supply fluctuations, and long service-life conditions. Common technical features include low input offset, low quiescent current, wide supply-voltage range, rail-to-rail input, open-drain or push-pull output, fast propagation delay, built-in hysteresis, and integrated voltage reference. Compared with general industrial-grade comparators, automotive grade comparators place greater emphasis on AEC-Q100 reliability, PPAP support, temperature grade, batch-to-batch consistency, and long-term supply capability. Their main customers include automotive Tier 1 suppliers, vehicle power-module manufacturers, sensor module manufacturers, domain controller companies, and automotive semiconductor distribution channels.

Automotive grade comparator ICs are fundamental decision-making devices in the vehicle analog signal chain. Their value does not mainly come from high unit prices, but from the large number of vehicle nodes that require stable, fast, and low-power electrical signal recognition. Whether in overvoltage and undervoltage monitoring for power modules, overcurrent protection for motor control, or threshold triggering in

sensor front ends, comparators convert continuous analog signals into clear logic states. As automotive electronics evolve from distributed control toward domain control, centralized power architectures, and intelligent sensing systems, comparators are not fully replaced by MCUs or system chips. Instead, they continue to play a stable role in power safety, signal boundary detection, fault protection, and low-power standby monitoring. Automotive grade products must meet stricter requirements for temperature range, reliability, lot consistency, and long-term supply, which creates a clear distinction between automotive and general industrial comparators in certification, qualification cycle, and supplier accountability.

In terms of product roadmap, automotive grade comparator ICs are differentiating along four directions: low power, high speed, higher integration, and high reliability. Low-power devices mainly serve body electronics, keyless entry, battery monitoring, and standby circuits, while high-speed devices are increasingly used in ADAS, LiDAR, time-of-flight sensing, and fast protection circuits. Devices with integrated references or window functions help reduce external components, improve threshold accuracy, and simplify system design. Traditional open-drain output devices remain suitable for wired-logic configurations, wide-voltage compatibility, and shared signal lines, while push-pull output devices are better suited for fast response and direct digital input driving. Differential-output high-speed comparators serve applications with stronger signal-integrity requirements. Packages have also evolved from conventional SOIC and TSSOP formats to smaller SOT-23, SC70, DFN, and QFN packages to support compact automotive modules and high-density PCB layouts.

From a competitive and regional supply perspective, the automotive grade comparator IC market has long been led by established analog IC suppliers in the United States, Europe, and Japan, while mainland Chinese suppliers are entering specific segments through automotive qualification and higher-performance part numbers. U.S. and European suppliers benefit from broad product families, mature automotive quality systems, strong customer qualification history, and stable long-term supply. Japanese suppliers retain engineering advantages in low power, compact packaging, and automotive reliability. Chinese suppliers are accelerating adoption through the local automotive electronics supply chain, electric vehicle growth, and localization demand. Future growth will mainly come from power monitoring in new energy vehicles, intelligent sensors, chassis actuators, body comfort control, and ADAS sensing chains. Overall, the segment is unlikely to see explosive unit-price increases, but it should benefit from the rising number of automotive electronic nodes and deeper automotive semiconductor localization, resulting in steady expansion and structural upgrading.

This report studies the global Automotive Grade Comparator ICs production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive Grade Comparator ICs and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive Grade Comparator ICs that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive Grade Comparator ICs total production and demand, 2021-2032, (Million Units)

Global Automotive Grade Comparator ICs total production value, 2021-2032, (USD Million)

Global Automotive Grade Comparator ICs production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Automotive Grade Comparator ICs consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Automotive Grade Comparator ICs domestic production, consumption, key domestic manufacturers and share

Global Automotive Grade Comparator ICs production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Automotive Grade Comparator ICs production by Channel Count, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Automotive Grade Comparator ICs production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Automotive Grade Comparator ICs market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics, Diodes Incorporated, ROHM, Microchip Technology, Texas Instruments, Analog Devices, onsemi, SG Micro, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive Grade Comparator ICs market

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Channel Count, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global Automotive Grade Comparator ICs Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Automotive Grade Comparator ICs Market, Segmentation by Channel Count:

Single-Channel Type

Dual-Channel Type

Quad-Channel Type

Multi-Channel Type

## Global Automotive Grade Comparator ICs Market, Segmentation by Output Structure:

Open-Drain Output Type

Push-Pull Output Type

Differential Output Type

Other

## Global Automotive Grade Comparator ICs Market, Segmentation by Propagation Delay:

Sub-Nanosecond High-Speed Type

Nanosecond High-Speed Type

Hundred-Nanosecond Fast Type

Microsecond Standard Type

## Global Automotive Grade Comparator ICs Market, Segmentation by Application:

Power Voltage Monitoring

Overcurrent Protection

Zero-Crossing Detection

Body Electronics Signal Detection

ADAS Sensor Triggering

Infotainment Power Management

## Companies Profiled:

STMicroelectronics

Diodes Incorporated

ROHM

Microchip Technology

Texas Instruments

Analog Devices

onsemi

SG Micro

#### Key Questions Answered:

1. How big is the global Automotive Grade Comparator ICs market?
2. What is the demand of the global Automotive Grade Comparator ICs market?
3. What is the year over year growth of the global Automotive Grade Comparator ICs market?
4. What is the production and production value of the global Automotive Grade Comparator ICs market?
5. Who are the key producers in the global Automotive Grade Comparator ICs market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Automotive Grade Comparator ICs Introduction
- 1.2 World Automotive Grade Comparator ICs Supply & Forecast
  - 1.2.1 World Automotive Grade Comparator ICs Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Automotive Grade Comparator ICs Production (2021-2032)
  - 1.2.3 World Automotive Grade Comparator ICs Pricing Trends (2021-2032)
- 1.3 World Automotive Grade Comparator ICs Production by Region (Based on Production Site)
  - 1.3.1 World Automotive Grade Comparator ICs Production Value by Region (2021-2032)
  - 1.3.2 World Automotive Grade Comparator ICs Production by Region (2021-2032)
  - 1.3.3 World Automotive Grade Comparator ICs Average Price by Region (2021-2032)
  - 1.3.4 North America Automotive Grade Comparator ICs Production (2021-2032)
  - 1.3.5 Europe Automotive Grade Comparator ICs Production (2021-2032)
  - 1.3.6 China Automotive Grade Comparator ICs Production (2021-2032)
  - 1.3.7 Japan Automotive Grade Comparator ICs Production (2021-2032)
  - 1.3.8 South Korea Automotive Grade Comparator ICs Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Automotive Grade Comparator ICs Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Automotive Grade Comparator ICs Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Automotive Grade Comparator ICs Demand (2021-2032)
- 2.2 World Automotive Grade Comparator ICs Consumption by Region
  - 2.2.1 World Automotive Grade Comparator ICs Consumption by Region (2021-2026)
  - 2.2.2 World Automotive Grade Comparator ICs Consumption Forecast by Region (2027-2032)
- 2.3 United States Automotive Grade Comparator ICs Consumption (2021-2032)
- 2.4 China Automotive Grade Comparator ICs Consumption (2021-2032)
- 2.5 Europe Automotive Grade Comparator ICs Consumption (2021-2032)
- 2.6 Japan Automotive Grade Comparator ICs Consumption (2021-2032)
- 2.7 South Korea Automotive Grade Comparator ICs Consumption (2021-2032)
- 2.8 ASEAN Automotive Grade Comparator ICs Consumption (2021-2032)



## 2.9 India Automotive Grade Comparator ICs Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

#### 3.1 World Automotive Grade Comparator ICs Production Value by Manufacturer (2021-2026)

#### 3.2 World Automotive Grade Comparator ICs Production by Manufacturer (2021-2026)

#### 3.3 World Automotive Grade Comparator ICs Average Price by Manufacturer (2021-2026)

#### 3.4 Automotive Grade Comparator ICs Company Evaluation Quadrant

#### 3.5 Industry Rank and Concentration Rate (CR)

##### 3.5.1 Global Automotive Grade Comparator ICs Industry Rank of Major Manufacturers

##### 3.5.2 Global Concentration Ratios (CR4) for Automotive Grade Comparator ICs in 2025

##### 3.5.3 Global Concentration Ratios (CR8) for Automotive Grade Comparator ICs in 2025

#### 3.6 Automotive Grade Comparator ICs Market: Overall Company Footprint Analysis

##### 3.6.1 Automotive Grade Comparator ICs Market: Region Footprint

##### 3.6.2 Automotive Grade Comparator ICs Market: Company Product Type Footprint

##### 3.6.3 Automotive Grade Comparator ICs Market: Company Product Application Footprint

#### 3.7 Competitive Environment

##### 3.7.1 Historical Structure of the Industry

##### 3.7.2 Barriers of Market Entry

##### 3.7.3 Factors of Competition

#### 3.8 New Entrant and Capacity Expansion Plans

#### 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

#### 4.1 United States VS China: Automotive Grade Comparator ICs Production Value Comparison

##### 4.1.1 United States VS China: Automotive Grade Comparator ICs Production Value Comparison (2021 & 2025 & 2032)

##### 4.1.2 United States VS China: Automotive Grade Comparator ICs Production Value Market Share Comparison (2021 & 2025 & 2032)

#### 4.2 United States VS China: Automotive Grade Comparator ICs Production Comparison

##### 4.2.1 United States VS China: Automotive Grade Comparator ICs Production Comparison (2021 & 2025 & 2032)



4.2.2 United States VS China: Automotive Grade Comparator ICs Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Automotive Grade Comparator ICs Consumption Comparison

4.3.1 United States VS China: Automotive Grade Comparator ICs Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Automotive Grade Comparator ICs Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Automotive Grade Comparator ICs Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Automotive Grade Comparator ICs Production Value (2021-2026)

4.4.3 United States Based Manufacturers Automotive Grade Comparator ICs Production (2021-2026)

4.5 China Based Automotive Grade Comparator ICs Manufacturers and Market Share

4.5.1 China Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Automotive Grade Comparator ICs Production Value (2021-2026)

4.5.3 China Based Manufacturers Automotive Grade Comparator ICs Production (2021-2026)

4.6 Rest of World Based Automotive Grade Comparator ICs Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Automotive Grade Comparator ICs Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Automotive Grade Comparator ICs Production (2021-2026)

## **5 MARKET ANALYSIS BY CHANNEL COUNT**

5.1 World Automotive Grade Comparator ICs Market Size Overview by Channel Count: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Channel Count

5.2.1 Single-Channel Type

5.2.2 Dual-Channel Type

5.2.3 Quad-Channel Type

5.2.4 Multi-Channel Type

5.3 Market Segment by Channel Count

5.3.1 World Automotive Grade Comparator ICs Production by Channel Count  
(2021-2032)

5.3.2 World Automotive Grade Comparator ICs Production Value by Channel Count  
(2021-2032)

5.3.3 World Automotive Grade Comparator ICs Average Price by Channel Count  
(2021-2032)

## **6 MARKET ANALYSIS BY OUTPUT STRUCTURE**

6.1 World Automotive Grade Comparator ICs Market Size Overview by Output  
Structure: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Output Structure

6.2.1 Open-Drain Output Type

6.2.2 Push-Pull Output Type

6.2.3 Differential Output Type

6.2.4 Other

6.3 Market Segment by Output Structure

6.3.1 World Automotive Grade Comparator ICs Production by Output Structure  
(2021-2032)

6.3.2 World Automotive Grade Comparator ICs Production Value by Output Structure  
(2021-2032)

6.3.3 World Automotive Grade Comparator ICs Average Price by Output Structure  
(2021-2032)

## **7 MARKET ANALYSIS BY PROPAGATION DELAY**

7.1 World Automotive Grade Comparator ICs Market Size Overview by Propagation  
Delay: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Propagation Delay

7.2.1 Sub-Nanosecond High-Speed Type

7.2.2 Nanosecond High-Speed Type

7.2.3 Hundred-Nanosecond Fast Type

7.2.4 Microsecond Standard Type

7.3 Market Segment by Propagation Delay

7.3.1 World Automotive Grade Comparator ICs Production by Propagation Delay  
(2021-2032)

7.3.2 World Automotive Grade Comparator ICs Production Value by Propagation Delay (2021-2032)

7.3.3 World Automotive Grade Comparator ICs Average Price by Propagation Delay (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Automotive Grade Comparator ICs Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Power Voltage Monitoring

8.2.2 Overcurrent Protection

8.2.3 Zero-Crossing Detection

8.2.4 Body Electronics Signal Detection

8.2.5 ADAS Sensor Triggering

8.2.6 Infotainment Power Management

8.3 Market Segment by Application

8.3.1 World Automotive Grade Comparator ICs Production by Application (2021-2032)

8.3.2 World Automotive Grade Comparator ICs Production Value by Application (2021-2032)

8.3.3 World Automotive Grade Comparator ICs Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 STMicroelectronics

9.1.1 STMicroelectronics Details

9.1.2 STMicroelectronics Major Business

9.1.3 STMicroelectronics Automotive Grade Comparator ICs Product and Services

9.1.4 STMicroelectronics Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 STMicroelectronics Recent Developments/Updates

9.1.6 STMicroelectronics Competitive Strengths & Weaknesses

9.2 Diodes Incorporated

9.2.1 Diodes Incorporated Details

9.2.2 Diodes Incorporated Major Business

9.2.3 Diodes Incorporated Automotive Grade Comparator ICs Product and Services

9.2.4 Diodes Incorporated Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Diodes Incorporated Recent Developments/Updates

9.2.6 Diodes Incorporated Competitive Strengths & Weaknesses

### 9.3 ROHM

9.3.1 ROHM Details

9.3.2 ROHM Major Business

9.3.3 ROHM Automotive Grade Comparator ICs Product and Services

9.3.4 ROHM Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 ROHM Recent Developments/Updates

9.3.6 ROHM Competitive Strengths & Weaknesses

### 9.4 Microchip Technology

9.4.1 Microchip Technology Details

9.4.2 Microchip Technology Major Business

9.4.3 Microchip Technology Automotive Grade Comparator ICs Product and Services

9.4.4 Microchip Technology Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Microchip Technology Recent Developments/Updates

9.4.6 Microchip Technology Competitive Strengths & Weaknesses

### 9.5 Texas Instruments

9.5.1 Texas Instruments Details

9.5.2 Texas Instruments Major Business

9.5.3 Texas Instruments Automotive Grade Comparator ICs Product and Services

9.5.4 Texas Instruments Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Texas Instruments Recent Developments/Updates

9.5.6 Texas Instruments Competitive Strengths & Weaknesses

### 9.6 Analog Devices

9.6.1 Analog Devices Details

9.6.2 Analog Devices Major Business

9.6.3 Analog Devices Automotive Grade Comparator ICs Product and Services

9.6.4 Analog Devices Automotive Grade Comparator ICs Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Analog Devices Recent Developments/Updates

9.6.6 Analog Devices Competitive Strengths & Weaknesses

### 9.7 onsemi

9.7.1 onsemi Details

9.7.2 onsemi Major Business

9.7.3 onsemi Automotive Grade Comparator ICs Product and Services

9.7.4 onsemi Automotive Grade Comparator ICs Production, Price, Value, Gross

## Margin and Market Share (2021-2026)

9.7.5 onsemi Recent Developments/Updates

9.7.6 onsemi Competitive Strengths & Weaknesses

## 9.8 SG Micro

9.8.1 SG Micro Details

9.8.2 SG Micro Major Business

9.8.3 SG Micro Automotive Grade Comparator ICs Product and Services

9.8.4 SG Micro Automotive Grade Comparator ICs Production, Price, Value, Gross

## Margin and Market Share (2021-2026)

9.8.5 SG Micro Recent Developments/Updates

9.8.6 SG Micro Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

10.1 Automotive Grade Comparator ICs Industry Chain

10.2 Automotive Grade Comparator ICs Upstream Analysis

10.2.1 Automotive Grade Comparator ICs Core Raw Materials

10.2.2 Main Manufacturers of Automotive Grade Comparator ICs Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Automotive Grade Comparator ICs Production Mode

10.6 Automotive Grade Comparator ICs Procurement Model

10.7 Automotive Grade Comparator ICs Industry Sales Model and Sales Channels

10.7.1 Automotive Grade Comparator ICs Sales Model

10.7.2 Automotive Grade Comparator ICs Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Automotive Grade Comparator ICs Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Automotive Grade Comparator ICs Production Value by Region (2021-2026) & (USD Million)

Table 3. World Automotive Grade Comparator ICs Production Value by Region (2027-2032) & (USD Million)

Table 4. World Automotive Grade Comparator ICs Production Value Market Share by Region (2021-2026)

Table 5. World Automotive Grade Comparator ICs Production Value Market Share by Region (2027-2032)

Table 6. World Automotive Grade Comparator ICs Production by Region (2021-2026) & (Million Units)

Table 7. World Automotive Grade Comparator ICs Production by Region (2027-2032) & (Million Units)

Table 8. World Automotive Grade Comparator ICs Production Market Share by Region (2021-2026)

Table 9. World Automotive Grade Comparator ICs Production Market Share by Region (2027-2032)

Table 10. World Automotive Grade Comparator ICs Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Automotive Grade Comparator ICs Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Automotive Grade Comparator ICs Major Market Trends

Table 13. World Automotive Grade Comparator ICs Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Automotive Grade Comparator ICs Consumption by Region (2021-2026) & (Million Units)

Table 15. World Automotive Grade Comparator ICs Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Automotive Grade Comparator ICs Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Automotive Grade Comparator ICs Producers in 2025

Table 18. World Automotive Grade Comparator ICs Production by Manufacturer (2021-2026) & (Million Units)



Table 19. Production Market Share of Key Automotive Grade Comparator ICs Producers in 2025

Table 20. World Automotive Grade Comparator ICs Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Automotive Grade Comparator ICs Company Evaluation Quadrant

Table 22. World Automotive Grade Comparator ICs Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Automotive Grade Comparator ICs Production Site of Key Manufacturer

Table 24. Automotive Grade Comparator ICs Market: Company Product Type Footprint

Table 25. Automotive Grade Comparator ICs Market: Company Product Application Footprint

Table 26. Automotive Grade Comparator ICs Competitive Factors

Table 27. Automotive Grade Comparator ICs New Entrant and Capacity Expansion Plans

Table 28. Automotive Grade Comparator ICs Mergers & Acquisitions Activity

Table 29. United States VS China Automotive Grade Comparator ICs Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Automotive Grade Comparator ICs Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China Automotive Grade Comparator ICs Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Automotive Grade Comparator ICs Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Automotive Grade Comparator ICs Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Automotive Grade Comparator ICs Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers Automotive Grade Comparator ICs Production Market Share (2021-2026)

Table 37. China Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Automotive Grade Comparator ICs Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Automotive Grade Comparator ICs Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Automotive Grade Comparator ICs Production,



(2021-2026) & (Million Units)

Table 41. China Based Manufacturers Automotive Grade Comparator ICs Production Market Share (2021-2026)

Table 42. Rest of World Based Automotive Grade Comparator ICs Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Automotive Grade Comparator ICs Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Automotive Grade Comparator ICs Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Automotive Grade Comparator ICs Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Automotive Grade Comparator ICs Production Market Share (2021-2026)

Table 47. World Automotive Grade Comparator ICs Production Value by Channel Count, (USD Million), 2021 & 2025 & 2032

Table 48. World Automotive Grade Comparator ICs Production by Channel Count (2021-2026) & (Million Units)

Table 49. World Automotive Grade Comparator ICs Production by Channel Count (2027-2032) & (Million Units)

Table 50. World Automotive Grade Comparator ICs Production Value by Channel Count (2021-2026) & (USD Million)

Table 51. World Automotive Grade Comparator ICs Production Value by Channel Count (2027-2032) & (USD Million)

Table 52. World Automotive Grade Comparator ICs Average Price by Channel Count (2021-2026) & (US\$/Unit)

Table 53. World Automotive Grade Comparator ICs Average Price by Channel Count (2027-2032) & (US\$/Unit)

Table 54. World Automotive Grade Comparator ICs Production Value by Output Structure, (USD Million), 2021 & 2025 & 2032

Table 55. World Automotive Grade Comparator ICs Production by Output Structure (2021-2026) & (Million Units)

Table 56. World Automotive Grade Comparator ICs Production by Output Structure (2027-2032) & (Million Units)

Table 57. World Automotive Grade Comparator ICs Production Value by Output Structure (2021-2026) & (USD Million)

Table 58. World Automotive Grade Comparator ICs Production Value by Output Structure (2027-2032) & (USD Million)

Table 59. World Automotive Grade Comparator ICs Average Price by Output Structure (2021-2026) & (US\$/Unit)

Table 60. World Automotive Grade Comparator ICs Average Price by Output Structure (2027-2032) & (US\$/Unit)

Table 61. World Automotive Grade Comparator ICs Production Value by Propagation Delay, (USD Million), 2021 & 2025 & 2032

Table 62. World Automotive Grade Comparator ICs Production by Propagation Delay (2021-2026) & (Million Units)

Table 63. World Automotive Grade Comparator ICs Production by Propagation Delay (2027-2032) & (Million Units)

Table 64. World Automotive Grade Comparator ICs Production Value by Propagation Delay (2021-2026) & (USD Million)

Table 65. World Automotive Grade Comparator ICs Production Value by Propagation Delay (2027-2032) & (USD Million)

Table 66. World Automotive Grade Comparator ICs Average Price by Propagation Delay (2021-2026) & (US\$/Unit)

Table 67. World Automotive Grade Comparator ICs Average Price by Propagation Delay (2027-2032) & (US\$/Unit)

Table 68. World Automotive Grade Comparator ICs Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Automotive Grade Comparator ICs Production by Application (2021-2026) & (Million Units)

Table 70. World Automotive Grade Comparator ICs Production by Application (2027-2032) & (Million Units)

Table 71. World Automotive Grade Comparator ICs Production Value by Application (2021-2026) & (USD Million)

Table 72. World Automotive Grade Comparator ICs Production Value by Application (2027-2032) & (USD Million)

Table 73. World Automotive Grade Comparator ICs Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Automotive Grade Comparator ICs Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 76. STMicroelectronics Major Business

Table 77. STMicroelectronics Automotive Grade Comparator ICs Product and Services

Table 78. STMicroelectronics Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. STMicroelectronics Recent Developments/Updates

Table 80. STMicroelectronics Competitive Strengths & Weaknesses

Table 81. Diodes Incorporated Basic Information, Manufacturing Base and Competitors

Table 82. Diodes Incorporated Major Business

Table 83. Diodes Incorporated Automotive Grade Comparator ICs Product and Services

Table 84. Diodes Incorporated Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Diodes Incorporated Recent Developments/Updates

Table 86. Diodes Incorporated Competitive Strengths & Weaknesses

Table 87. ROHM Basic Information, Manufacturing Base and Competitors

Table 88. ROHM Major Business

Table 89. ROHM Automotive Grade Comparator ICs Product and Services

Table 90. ROHM Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. ROHM Recent Developments/Updates

Table 92. ROHM Competitive Strengths & Weaknesses

Table 93. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 94. Microchip Technology Major Business

Table 95. Microchip Technology Automotive Grade Comparator ICs Product and Services

Table 96. Microchip Technology Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Microchip Technology Recent Developments/Updates

Table 98. Microchip Technology Competitive Strengths & Weaknesses

Table 99. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 100. Texas Instruments Major Business

Table 101. Texas Instruments Automotive Grade Comparator ICs Product and Services

Table 102. Texas Instruments Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Texas Instruments Recent Developments/Updates

Table 104. Texas Instruments Competitive Strengths & Weaknesses

Table 105. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 106. Analog Devices Major Business

Table 107. Analog Devices Automotive Grade Comparator ICs Product and Services

Table 108. Analog Devices Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Analog Devices Recent Developments/Updates

Table 110. Analog Devices Competitive Strengths & Weaknesses

Table 111. onsemi Basic Information, Manufacturing Base and Competitors

Table 112. onsemi Major Business

Table 113. onsemi Automotive Grade Comparator ICs Product and Services

Table 114. onsemi Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. onsemi Recent Developments/Updates

Table 116. onsemi Competitive Strengths & Weaknesses

Table 117. SG Micro Basic Information, Manufacturing Base and Competitors

Table 118. SG Micro Major Business

Table 119. SG Micro Automotive Grade Comparator ICs Product and Services

Table 120. SG Micro Automotive Grade Comparator ICs Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. SG Micro Recent Developments/Updates

Table 122. SG Micro Competitive Strengths & Weaknesses

Table 123. Global Key Players of Automotive Grade Comparator ICs Upstream (Raw Materials)

Table 124. Global Automotive Grade Comparator ICs Typical Customers

Table 125. Automotive Grade Comparator ICs Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Automotive Grade Comparator ICs Picture

Figure 2. World Automotive Grade Comparator ICs Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Automotive Grade Comparator ICs Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 5. World Automotive Grade Comparator ICs Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Automotive Grade Comparator ICs Production Value Market Share by Region (2021-2032)

Figure 7. World Automotive Grade Comparator ICs Production Market Share by Region (2021-2032)

Figure 8. North America Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 9. Europe Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 10. China Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 11. Japan Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 12. South Korea Automotive Grade Comparator ICs Production (2021-2032) & (Million Units)

Figure 13. Automotive Grade Comparator ICs Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 16. World Automotive Grade Comparator ICs Consumption Market Share by Region (2021-2032)

Figure 17. United States Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 18. China Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 19. Europe Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 20. Japan Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 21. South Korea Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 22. ASEAN Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 23. India Automotive Grade Comparator ICs Consumption (2021-2032) & (Million Units)

Figure 24. Producer Shipments of Automotive Grade Comparator ICs by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Automotive Grade Comparator ICs Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Automotive Grade Comparator ICs Markets in 2025

Figure 27. United States VS China: Automotive Grade Comparator ICs Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Automotive Grade Comparator ICs Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Automotive Grade Comparator ICs Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Automotive Grade Comparator ICs Production Market Share 2025

Figure 31. China Based Manufacturers Automotive Grade Comparator ICs Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Automotive Grade Comparator ICs Production Market Share 2025

Figure 33. World Automotive Grade Comparator ICs Production Value by Channel Count, (USD Million), 2021 & 2025 & 2032

Figure 34. World Automotive Grade Comparator ICs Production Value Market Share by Channel Count in 2025

Figure 35. Single-Channel Type

Figure 36. Dual-Channel Type

Figure 37. Quad-Channel Type

Figure 38. Multi-Channel Type

Figure 39. World Automotive Grade Comparator ICs Production Market Share by Channel Count (2021-2032)

Figure 40. World Automotive Grade Comparator ICs Production Value Market Share by Channel Count (2021-2032)

Figure 41. World Automotive Grade Comparator ICs Average Price by Channel Count



(2021-2032) & (US\$/Unit)

Figure 42. World Automotive Grade Comparator ICs Production Value by Output Structure, (USD Million), 2021 & 2025 & 2032

Figure 43. World Automotive Grade Comparator ICs Production Value Market Share by Output Structure in 2025

Figure 44. Open-Drain Output Type

Figure 45. Push-Pull Output Type

Figure 46. Differential Output Type

Figure 47. Other

Figure 48. World Automotive Grade Comparator ICs Production Market Share by Output Structure (2021-2032)

Figure 49. World Automotive Grade Comparator ICs Production Value Market Share by Output Structure (2021-2032)

Figure 50. World Automotive Grade Comparator ICs Average Price by Output Structure (2021-2032) & (US\$/Unit)

Figure 51. World Automotive Grade Comparator ICs Production Value by Propagation Delay, (USD Million), 2021 & 2025 & 2032

Figure 52. World Automotive Grade Comparator ICs Production Value Market Share by Propagation Delay in 2025

Figure 53. Sub-Nanosecond High-Speed Type

Figure 54. Nanosecond High-Speed Type

Figure 55. Hundred-Nanosecond Fast Type

Figure 56. Microsecond Standard Type

Figure 57. World Automotive Grade Comparator ICs Production Market Share by Propagation Delay (2021-2032)

Figure 58. World Automotive Grade Comparator ICs Production Value Market Share by Propagation Delay (2021-2032)

Figure 59. World Automotive Grade Comparator ICs Average Price by Propagation Delay (2021-2032) & (US\$/Unit)

Figure 60. World Automotive Grade Comparator ICs Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 61. World Automotive Grade Comparator ICs Production Value Market Share by Application in 2025

Figure 62. Power Voltage Monitoring

Figure 63. Overcurrent Protection

Figure 64. Zero-Crossing Detection

Figure 65. Body Electronics Signal Detection

Figure 66. ADAS Sensor Triggering

Figure 67. Infotainment Power Management



Figure 68. World Automotive Grade Comparator ICs Production Market Share by Application (2021-2032)

Figure 69. World Automotive Grade Comparator ICs Production Value Market Share by Application (2021-2032)

Figure 70. World Automotive Grade Comparator ICs Average Price by Application (2021-2032) & (US\$/Unit)

Figure 71. Automotive Grade Comparator ICs Industry Chain

Figure 72. Automotive Grade Comparator ICs Procurement Model

Figure 73. Automotive Grade Comparator ICs Sales Model

Figure 74. Automotive Grade Comparator ICs Sales Channels, Direct Sales, and Distribution

Figure 75. Methodology

Figure 76. Research Process and Data Source

## I would like to order

Product name: Global Automotive Grade Comparator ICs Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G9373A1C0614EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9373A1C0614EN.html>