

Semiconductor And Other Electronic Component Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Semiconductor And Related Devices, General Electronic Components), By Application (Automotive, Manufacturing, Other Applications), By Sales Channel, By Mode

<https://marketpublishers.com/r/S7C7CEFFD193EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: S7C7CEFFD193EN

Abstracts

The Semiconductor And Other Electronic Component Market is valued at USD 1.1 trillion in 2025 and is projected to grow at a CAGR of 8.9% to reach USD 2.4 trillion by 2034. The semiconductor and other electronic component market serves as the backbone of modern technology, enabling innovation across industries such as telecommunications, consumer electronics, automotive, aerospace, and industrial automation. This vast market includes integrated circuits, microprocessors, sensors, capacitors, resistors, and optoelectronics—each essential to powering digital devices and systems. With the ongoing digital transformation and rising demand for smart technologies, the market has experienced robust growth driven by advancements in miniaturization, performance efficiency, and energy optimization. The proliferation of AI, IoT, 5G, and electric vehicles has placed semiconductors at the center of global innovation. Furthermore, the strategic importance of semiconductor manufacturing has led to heightened government focus and geopolitical considerations, resulting in major investments in domestic chip production and supply chain resilience. As the world becomes increasingly connected, the semiconductor and electronic component market is expected to remain a vital and rapidly evolving sector in the global economy. The semiconductor and electronic component market saw a significant rebound following earlier supply chain disruptions. The year was marked by robust demand across sectors—particularly from electric vehicles, smartphones, and industrial automation. Key players expanded foundry capacities and invested heavily in next-generation nodes like

3nm and 2nm chips. Countries including the U.S., South Korea, and India advanced national semiconductor strategies, offering incentives to bolster domestic production. AI chipsets and edge computing components gained momentum as data-centric applications surged. Moreover, the adoption of wide bandgap materials like silicon carbide (SiC) and gallium nitride (GaN) grew for power electronics in EVs and renewable energy systems. Collaborative innovation between chipmakers and hyperscalers accelerated, with co-designed silicon optimized for cloud and AI workloads. On the consumer side, demand for wearables, gaming devices, and smart home gadgets further supported component sales. Despite macroeconomic headwinds, inventory normalization and strategic alliances kept the market on a growth trajectory. The semiconductor and electronic component market is poised for sustained expansion, driven by demand for high-performance, energy-efficient, and application-specific chips. The convergence of AI, quantum computing, autonomous vehicles, and Industry 4.0 will drive the development of customized architectures and heterogeneous integration. Chiplets and 3D packaging are expected to reshape design approaches, offering modular flexibility and space efficiency. As global competition intensifies, countries will continue investing in research, talent, and localized production to ensure technological sovereignty. The push toward sustainability will influence materials sourcing and chip energy efficiency, prompting innovation in recyclable substrates and power-saving components. Emerging markets in Southeast Asia and Latin America will see increased adoption as local industries digitize and scale. Supply chain transparency, security, and resilience will remain priorities, with blockchain and traceability tools being integrated into procurement processes. As technology dependency deepens, the semiconductor and component sector will serve as a cornerstone of the global digital economy.

Key Insights Semiconductor And Other Electronic Component Market

Chiplet-based architecture is emerging as a modular alternative to monolithic designs, enabling flexible, high-performance chip integration while reducing cost and time-to-market.

Wide adoption of silicon carbide (SiC) and gallium nitride (GaN) is transforming power electronics by improving energy efficiency in electric vehicles, data centers, and renewable energy systems.

AI-specific semiconductors are driving demand for application-specific integrated circuits (ASICs) and neuromorphic chips optimized for deep learning and edge inference tasks.

Semiconductor design and fabrication are shifting toward 3D packaging and heterogeneous integration to enhance performance density and reduce interconnect limitations.

Governments are launching strategic initiatives to strengthen domestic semiconductor ecosystems, reduce foreign dependency, and secure critical infrastructure components.

Surging demand for consumer electronics, EVs, and industrial automation is driving the need for high-performance, miniaturized semiconductor and component solutions.

Ongoing digital transformation and AI adoption across sectors are creating new use cases for customized, data-centric semiconductor solutions.

Global push for supply chain resilience and national security is prompting investment in local semiconductor manufacturing and infrastructure.

Expansion of 5G networks and IoT ecosystems is increasing the need for advanced sensors, RF components, and edge processing chips.

Persistent talent shortages and high capital intensity in semiconductor fabrication pose significant barriers to scaling production capacity, particularly for emerging players and new regions entering the industry.

Semiconductor And Other Electronic Component Market Segmentation

By Type

Semiconductor And Related Devices

General Electronic Components

By Application

Automotive

Manufacturing

Other Applications

By Sales Channel

OEM

Aftermarket

By Mode

Online

Offline

Key Companies Analysed

Samsung Electronics Co. Ltd.

Taiwan Semiconductor Manufacturing Company Limited

SK Hynix Inc.

Qualcomm Incorporated

Micron Technology Inc.

LG Display Co. Ltd.

Intel Corporation

Hon Hai Precision Industry Co. Ltd.

Broadcom Inc.

Advanced Semiconductor Engineering Inc.

Texas Instruments Inc.

Toshiba Corporation

Infineon Technologies AG

STMicroelectronics NV

NXP Semiconductors NV

Analog Devices Inc.

Renesas Electronics Corporation

MediaTek Inc.

ON Semiconductor Corporation

Amkor Technology Inc.

Marvell Technology Inc.

Advanced Micro Devices Inc.

NVIDIA Corporation

Cypress Semiconductor Corporation

Silicon Laboratories Inc.

Microchip Technology Inc.

Integrated Device Technology Inc.

Cirrus Logic Inc.

Semtech Corporation

Lattice Semiconductor Corporation

Monolithic Power Systems Inc.

Power Integrations Inc.

Semiconductor And Other Electronic Component Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Semiconductor And Other Electronic Component Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Semiconductor And Other Electronic Component market data and outlook to 2034

United States

Canada

Mexico

Europe — Semiconductor And Other Electronic Component market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Semiconductor And Other Electronic Component market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Semiconductor And Other Electronic Component market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Semiconductor And Other Electronic Component market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Semiconductor And Other Electronic Component value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Semiconductor And Other Electronic Component industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Semiconductor And Other Electronic Component Market Report

Global Semiconductor And Other Electronic Component market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Semiconductor And Other Electronic Component trade, costs, and supply chains

Semiconductor And Other Electronic Component market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Semiconductor And Other Electronic Component market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Semiconductor And Other Electronic Component market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Semiconductor And Other Electronic Component supply chain analysis

Semiconductor And Other Electronic Component trade analysis, Semiconductor And Other Electronic Component market price analysis, and Semiconductor And Other Electronic Component supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Semiconductor And Other Electronic Component market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET SUMMARY, 2025

- 2.1 Semiconductor And Other Electronic Component Industry Overview
 - 2.1.1 Global Semiconductor And Other Electronic Component Market Revenues (In US\$ billion)
- 2.2 Semiconductor And Other Electronic Component Market Scope
- 2.3 Research Methodology

3. SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET INSIGHTS, 2024-2034

- 3.1 Semiconductor And Other Electronic Component Market Drivers
- 3.2 Semiconductor And Other Electronic Component Market Restraints
- 3.3 Semiconductor And Other Electronic Component Market Opportunities
- 3.4 Semiconductor And Other Electronic Component Market Challenges
- 3.5 Tariff Impact on Global Semiconductor And Other Electronic Component Supply Chain Patterns

4. SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET ANALYTICS

- 4.1 Semiconductor And Other Electronic Component Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Semiconductor And Other Electronic Component Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Semiconductor And Other Electronic Component Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Semiconductor And Other Electronic Component Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Semiconductor And Other Electronic Component Market

4.5.1 Semiconductor And Other Electronic Component Industry Attractiveness Index, 2025

4.5.2 Semiconductor And Other Electronic Component Supplier Intelligence

4.5.3 Semiconductor And Other Electronic Component Buyer Intelligence

4.5.4 Semiconductor And Other Electronic Component Competition Intelligence

4.5.5 Semiconductor And Other Electronic Component Product Alternatives and Substitutes Intelligence

4.5.6 Semiconductor And Other Electronic Component Market Entry Intelligence

5. GLOBAL SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Semiconductor And Other Electronic Component Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Semiconductor And Other Electronic Component Sales Outlook and CAGR Growth By Type, 2024- 2034 (\$ billion)

5.2 Global Semiconductor And Other Electronic Component Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.3 Global Semiconductor And Other Electronic Component Sales Outlook and CAGR Growth By Sales Channel, 2024- 2034 (\$ billion)

5.4 Global Semiconductor And Other Electronic Component Sales Outlook and CAGR Growth By Mode, 2024- 2034 (\$ billion)

5.5 Global Semiconductor And Other Electronic Component Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Semiconductor And Other Electronic Component Market Insights, 2025

6.2 Asia Pacific Semiconductor And Other Electronic Component Market Revenue Forecast By Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Semiconductor And Other Electronic Component Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.4 Asia Pacific Semiconductor And Other Electronic Component Market Revenue Forecast By Sales Channel, 2024- 2034 (USD billion)

6.5 Asia Pacific Semiconductor And Other Electronic Component Market Revenue Forecast By Mode, 2024- 2034 (USD billion)

6.6 Asia Pacific Semiconductor And Other Electronic Component Market Revenue

Forecast by Country, 2024- 2034 (USD billion)

6.6.1 China Semiconductor And Other Electronic Component Market Size, Opportunities, Growth 2024- 2034

6.6.2 India Semiconductor And Other Electronic Component Market Size, Opportunities, Growth 2024- 2034

6.6.3 Japan Semiconductor And Other Electronic Component Market Size, Opportunities, Growth 2024- 2034

6.6.4 Australia Semiconductor And Other Electronic Component Market Size, Opportunities, Growth 2024- 2034

7. EUROPE SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Semiconductor And Other Electronic Component Market Key Findings, 2025

7.2 Europe Semiconductor And Other Electronic Component Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)

7.3 Europe Semiconductor And Other Electronic Component Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.4 Europe Semiconductor And Other Electronic Component Market Size and Percentage Breakdown By Sales Channel, 2024- 2034 (USD billion)

7.5 Europe Semiconductor And Other Electronic Component Market Size and Percentage Breakdown By Mode, 2024- 2034 (USD billion)

7.6 Europe Semiconductor And Other Electronic Component Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.6.1 Germany Semiconductor And Other Electronic Component Market Size, Trends, Growth Outlook to 2034

7.6.2 United Kingdom Semiconductor And Other Electronic Component Market Size, Trends, Growth Outlook to 2034

7.6.2 France Semiconductor And Other Electronic Component Market Size, Trends, Growth Outlook to 2034

7.6.2 Italy Semiconductor And Other Electronic Component Market Size, Trends, Growth Outlook to 2034

7.6.2 Spain Semiconductor And Other Electronic Component Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Semiconductor And Other Electronic Component Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Semiconductor And Other Electronic Component Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.4 North America Semiconductor And Other Electronic Component Market Analysis and Outlook By Sales Channel, 2024- 2034 (\$ billion)

8.5 North America Semiconductor And Other Electronic Component Market Analysis and Outlook By Mode, 2024- 2034 (\$ billion)

8.6 North America Semiconductor And Other Electronic Component Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.6.1 United States Semiconductor And Other Electronic Component Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Canada Semiconductor And Other Electronic Component Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Mexico Semiconductor And Other Electronic Component Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Semiconductor And Other Electronic Component Market Data, 2025

9.2 Latin America Semiconductor And Other Electronic Component Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Semiconductor And Other Electronic Component Market Future By Application, 2024- 2034 (\$ billion)

9.4 Latin America Semiconductor And Other Electronic Component Market Future By Sales Channel, 2024- 2034 (\$ billion)

9.5 Latin America Semiconductor And Other Electronic Component Market Future By Mode, 2024- 2034 (\$ billion)

9.6 Latin America Semiconductor And Other Electronic Component Market Future by Country, 2024- 2034 (\$ billion)

9.6.1 Brazil Semiconductor And Other Electronic Component Market Size, Share and Opportunities to 2034

9.6.2 Argentina Semiconductor And Other Electronic Component Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Semiconductor And Other Electronic Component Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Semiconductor And Other Electronic Component Market Statistics By Application, 2024- 2034 (USD billion)

10.4 Middle East Africa Semiconductor And Other Electronic Component Market Statistics By Sales Channel, 2024- 2034 (USD billion)

10.5 Middle East Africa Semiconductor And Other Electronic Component Market Statistics By Sales Channel, 2024- 2034 (USD billion)

10.6 Middle East Africa Semiconductor And Other Electronic Component Market Statistics by Country, 2024- 2034 (USD billion)

10.6.1 Middle East Semiconductor And Other Electronic Component Market Value, Trends, Growth Forecasts to 2034

10.6.2 Africa Semiconductor And Other Electronic Component Market Value, Trends, Growth Forecasts to 2034

11. SEMICONDUCTOR AND OTHER ELECTRONIC COMPONENT MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Semiconductor And Other Electronic Component Industry

11.2 Semiconductor And Other Electronic Component Business Overview

11.3 Semiconductor And Other Electronic Component Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Semiconductor And Other Electronic Component Market Volume (Tons)

12.1 Global Semiconductor And Other Electronic Component Trade and Price Analysis

12.2 Semiconductor And Other Electronic Component Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Semiconductor And Other Electronic Component Industry Report Sources and Methodology

I would like to order

Product name: Semiconductor And Other Electronic Component Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Semiconductor And Related Devices, General Electronic Components), By Application (Automotive, Manufacturing, Other Applications), By Sales Channel, By Mode

Product link: <https://marketpublishers.com/r/S7C7CEFFD193EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S7C7CEFFD193EN.html>