

Global Automotive LSI Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive LSI market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Large-scale integration (LSI) is the process of integrating or embedding thousands of transistors on a single silicon semiconductor microchip.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the Automotive LSI industry chain, the market status of Passenger Cars (Analog Integrated Circuits, Digital Integrated Circuits), Commercial Vehicles (Analog Integrated Circuits, Digital Integrated Circuits), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive LSI.

Regionally, the report analyzes the Automotive LSI markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive LSI market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive LSI market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive LSI industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Analog Integrated Circuits, Digital Integrated Circuits).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive LSI market.

Regional Analysis: The report involves examining the Automotive LSI market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive LSI market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive LSI:

Company Analysis: Report covers individual Automotive LSI manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive LSI. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Cars, Commercial Vehicles).

Technology Analysis: Report covers specific technologies relevant to Automotive LSI. It assesses the current state, advancements, and potential future developments in Automotive LSI areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive LSI market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive LSI market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Analog Integrated Circuits

Digital Integrated Circuits

Digital/Analog Hybrid Integrated Circuits

Market segment by Application

Passenger Cars

Commercial Vehicles

Major players covered

Alzu Fujitsu Semiconductor (Japan)

Asahi Kasei (Japan)

Fujitsu (Japan)

Hagiwara Electronics (Japan)

Hiji High-Tech (Japan)

Japan Semiconductor (Japan)

Kyushu Denshi (Japan)

MegaChips (Japan)

MIE Fujitsu Semiconductor (Japan)

Nippon Pulse Motor (Japan)

Panasonic (Japan)

Renesas Electronics (Japan)

Rohm (Japan)

Saga Electronics (Japan)

SEIKO NPC (Japan)

Sharp (Japan)

Sony Semiconductor Solutions (Japan)

Tamagawa Denki (Japan)

TDK (Japan)

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive LSI product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive LSI, with price, sales, revenue and global market share of Automotive LSI from 2019 to 2024.

Chapter 3, the Automotive LSI competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive LSI breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automotive LSI market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces

analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive LSI.

Chapter 14 and 15, to describe Automotive LSI sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Automotive LSI
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Automotive LSI Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Analog Integrated Circuits
 - 1.3.3 Digital Integrated Circuits
 - 1.3.4 Digital/Analog Hybrid Integrated Circuits
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Automotive LSI Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Passenger Cars
 - 1.4.3 Commercial Vehicles
- 1.5 Global Automotive LSI Market Size & Forecast
 - 1.5.1 Global Automotive LSI Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Automotive LSI Sales Quantity (2019-2030)
 - 1.5.3 Global Automotive LSI Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Alzu Fujitsu Semiconductor (Japan)
 - 2.1.1 Alzu Fujitsu Semiconductor (Japan) Details
 - 2.1.2 Alzu Fujitsu Semiconductor (Japan) Major Business
 - 2.1.3 Alzu Fujitsu Semiconductor (Japan) Automotive LSI Product and Services
 - 2.1.4 Alzu Fujitsu Semiconductor (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Alzu Fujitsu Semiconductor (Japan) Recent Developments/Updates
- 2.2 Asahi Kasei (Japan)
 - 2.2.1 Asahi Kasei (Japan) Details
 - 2.2.2 Asahi Kasei (Japan) Major Business
 - 2.2.3 Asahi Kasei (Japan) Automotive LSI Product and Services
 - 2.2.4 Asahi Kasei (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.2.5 Asahi Kasei (Japan) Recent Developments/Updates
- 2.3 Fujitsu (Japan)

- 2.3.1 Fujitsu (Japan) Details
- 2.3.2 Fujitsu (Japan) Major Business
- 2.3.3 Fujitsu (Japan) Automotive LSI Product and Services
- 2.3.4 Fujitsu (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.3.5 Fujitsu (Japan) Recent Developments/Updates
- 2.4 Hagiwara Electronics (Japan)
 - 2.4.1 Hagiwara Electronics (Japan) Details
 - 2.4.2 Hagiwara Electronics (Japan) Major Business
 - 2.4.3 Hagiwara Electronics (Japan) Automotive LSI Product and Services
 - 2.4.4 Hagiwara Electronics (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 Hagiwara Electronics (Japan) Recent Developments/Updates
- 2.5 Hiji High-Tech (Japan)
 - 2.5.1 Hiji High-Tech (Japan) Details
 - 2.5.2 Hiji High-Tech (Japan) Major Business
 - 2.5.3 Hiji High-Tech (Japan) Automotive LSI Product and Services
 - 2.5.4 Hiji High-Tech (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Hiji High-Tech (Japan) Recent Developments/Updates
- 2.6 Japan Semiconductor (Japan)
 - 2.6.1 Japan Semiconductor (Japan) Details
 - 2.6.2 Japan Semiconductor (Japan) Major Business
 - 2.6.3 Japan Semiconductor (Japan) Automotive LSI Product and Services
 - 2.6.4 Japan Semiconductor (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Japan Semiconductor (Japan) Recent Developments/Updates
- 2.7 Kyushu Denshi (Japan)
 - 2.7.1 Kyushu Denshi (Japan) Details
 - 2.7.2 Kyushu Denshi (Japan) Major Business
 - 2.7.3 Kyushu Denshi (Japan) Automotive LSI Product and Services
 - 2.7.4 Kyushu Denshi (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Kyushu Denshi (Japan) Recent Developments/Updates
- 2.8 MegaChips (Japan)
 - 2.8.1 MegaChips (Japan) Details
 - 2.8.2 MegaChips (Japan) Major Business
 - 2.8.3 MegaChips (Japan) Automotive LSI Product and Services
 - 2.8.4 MegaChips (Japan) Automotive LSI Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

2.8.5 MegaChips (Japan) Recent Developments/Updates

2.9 MIE Fujitsu Semiconductor (Japan)

2.9.1 MIE Fujitsu Semiconductor (Japan) Details

2.9.2 MIE Fujitsu Semiconductor (Japan) Major Business

2.9.3 MIE Fujitsu Semiconductor (Japan) Automotive LSI Product and Services

2.9.4 MIE Fujitsu Semiconductor (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 MIE Fujitsu Semiconductor (Japan) Recent Developments/Updates

2.10 Nippon Pulse Motor (Japan)

2.10.1 Nippon Pulse Motor (Japan) Details

2.10.2 Nippon Pulse Motor (Japan) Major Business

2.10.3 Nippon Pulse Motor (Japan) Automotive LSI Product and Services

2.10.4 Nippon Pulse Motor (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Nippon Pulse Motor (Japan) Recent Developments/Updates

2.11 Panasonic (Japan)

2.11.1 Panasonic (Japan) Details

2.11.2 Panasonic (Japan) Major Business

2.11.3 Panasonic (Japan) Automotive LSI Product and Services

2.11.4 Panasonic (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Panasonic (Japan) Recent Developments/Updates

2.12 Renesas Electronics (Japan)

2.12.1 Renesas Electronics (Japan) Details

2.12.2 Renesas Electronics (Japan) Major Business

2.12.3 Renesas Electronics (Japan) Automotive LSI Product and Services

2.12.4 Renesas Electronics (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.12.5 Renesas Electronics (Japan) Recent Developments/Updates

2.13 Rohm (Japan)

2.13.1 Rohm (Japan) Details

2.13.2 Rohm (Japan) Major Business

2.13.3 Rohm (Japan) Automotive LSI Product and Services

2.13.4 Rohm (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Rohm (Japan) Recent Developments/Updates

2.14 Saga Electronics (Japan)

2.14.1 Saga Electronics (Japan) Details

- 2.14.2 Saga Electronics (Japan) Major Business
- 2.14.3 Saga Electronics (Japan) Automotive LSI Product and Services
- 2.14.4 Saga Electronics (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.14.5 Saga Electronics (Japan) Recent Developments/Updates
- 2.15 SEIKO NPC (Japan)
 - 2.15.1 SEIKO NPC (Japan) Details
 - 2.15.2 SEIKO NPC (Japan) Major Business
 - 2.15.3 SEIKO NPC (Japan) Automotive LSI Product and Services
 - 2.15.4 SEIKO NPC (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.15.5 SEIKO NPC (Japan) Recent Developments/Updates
- 2.16 Sharp (Japan)
 - 2.16.1 Sharp (Japan) Details
 - 2.16.2 Sharp (Japan) Major Business
 - 2.16.3 Sharp (Japan) Automotive LSI Product and Services
 - 2.16.4 Sharp (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.16.5 Sharp (Japan) Recent Developments/Updates
- 2.17 Sony Semiconductor Solutions (Japan)
 - 2.17.1 Sony Semiconductor Solutions (Japan) Details
 - 2.17.2 Sony Semiconductor Solutions (Japan) Major Business
 - 2.17.3 Sony Semiconductor Solutions (Japan) Automotive LSI Product and Services
 - 2.17.4 Sony Semiconductor Solutions (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.17.5 Sony Semiconductor Solutions (Japan) Recent Developments/Updates
- 2.18 Tamagawa Denki (Japan)
 - 2.18.1 Tamagawa Denki (Japan) Details
 - 2.18.2 Tamagawa Denki (Japan) Major Business
 - 2.18.3 Tamagawa Denki (Japan) Automotive LSI Product and Services
 - 2.18.4 Tamagawa Denki (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.18.5 Tamagawa Denki (Japan) Recent Developments/Updates
- 2.19 TDK (Japan)
 - 2.19.1 TDK (Japan) Details
 - 2.19.2 TDK (Japan) Major Business
 - 2.19.3 TDK (Japan) Automotive LSI Product and Services
 - 2.19.4 TDK (Japan) Automotive LSI Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.19.5 TDK (Japan) Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE LSI BY MANUFACTURER

3.1 Global Automotive LSI Sales Quantity by Manufacturer (2019-2024)

3.2 Global Automotive LSI Revenue by Manufacturer (2019-2024)

3.3 Global Automotive LSI Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Automotive LSI by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Automotive LSI Manufacturer Market Share in 2023

3.4.2 Top 6 Automotive LSI Manufacturer Market Share in 2023

3.5 Automotive LSI Market: Overall Company Footprint Analysis

3.5.1 Automotive LSI Market: Region Footprint

3.5.2 Automotive LSI Market: Company Product Type Footprint

3.5.3 Automotive LSI Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Automotive LSI Market Size by Region

4.1.1 Global Automotive LSI Sales Quantity by Region (2019-2030)

4.1.2 Global Automotive LSI Consumption Value by Region (2019-2030)

4.1.3 Global Automotive LSI Average Price by Region (2019-2030)

4.2 North America Automotive LSI Consumption Value (2019-2030)

4.3 Europe Automotive LSI Consumption Value (2019-2030)

4.4 Asia-Pacific Automotive LSI Consumption Value (2019-2030)

4.5 South America Automotive LSI Consumption Value (2019-2030)

4.6 Middle East and Africa Automotive LSI Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Automotive LSI Sales Quantity by Type (2019-2030)

5.2 Global Automotive LSI Consumption Value by Type (2019-2030)

5.3 Global Automotive LSI Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automotive LSI Sales Quantity by Application (2019-2030)
- 6.2 Global Automotive LSI Consumption Value by Application (2019-2030)
- 6.3 Global Automotive LSI Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Automotive LSI Sales Quantity by Type (2019-2030)
- 7.2 North America Automotive LSI Sales Quantity by Application (2019-2030)
- 7.3 North America Automotive LSI Market Size by Country
 - 7.3.1 North America Automotive LSI Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Automotive LSI Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Automotive LSI Sales Quantity by Type (2019-2030)
- 8.2 Europe Automotive LSI Sales Quantity by Application (2019-2030)
- 8.3 Europe Automotive LSI Market Size by Country
 - 8.3.1 Europe Automotive LSI Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Automotive LSI Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Automotive LSI Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Automotive LSI Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Automotive LSI Market Size by Region
 - 9.3.1 Asia-Pacific Automotive LSI Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Automotive LSI Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Automotive LSI Sales Quantity by Type (2019-2030)

10.2 South America Automotive LSI Sales Quantity by Application (2019-2030)

10.3 South America Automotive LSI Market Size by Country

10.3.1 South America Automotive LSI Sales Quantity by Country (2019-2030)

10.3.2 South America Automotive LSI Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive LSI Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Automotive LSI Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Automotive LSI Market Size by Country

11.3.1 Middle East & Africa Automotive LSI Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Automotive LSI Consumption Value by Country
(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Automotive LSI Market Drivers

12.2 Automotive LSI Market Restraints

12.3 Automotive LSI Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Automotive LSI and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Automotive LSI
- 13.3 Automotive LSI Production Process
- 13.4 Automotive LSI Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Automotive LSI Typical Distributors
- 14.3 Automotive LSI Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Automotive LSI Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Automotive LSI Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Alzu Fujitsu Semiconductor (Japan) Basic Information, Manufacturing Base and Competitors

Table 4. Alzu Fujitsu Semiconductor (Japan) Major Business

Table 5. Alzu Fujitsu Semiconductor (Japan) Automotive LSI Product and Services

Table 6. Alzu Fujitsu Semiconductor (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Alzu Fujitsu Semiconductor (Japan) Recent Developments/Updates

Table 8. Asahi Kasei (Japan) Basic Information, Manufacturing Base and Competitors

Table 9. Asahi Kasei (Japan) Major Business

Table 10. Asahi Kasei (Japan) Automotive LSI Product and Services

Table 11. Asahi Kasei (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Asahi Kasei (Japan) Recent Developments/Updates

Table 13. Fujitsu (Japan) Basic Information, Manufacturing Base and Competitors

Table 14. Fujitsu (Japan) Major Business

Table 15. Fujitsu (Japan) Automotive LSI Product and Services

Table 16. Fujitsu (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Fujitsu (Japan) Recent Developments/Updates

Table 18. Hagiwara Electronics (Japan) Basic Information, Manufacturing Base and Competitors

Table 19. Hagiwara Electronics (Japan) Major Business

Table 20. Hagiwara Electronics (Japan) Automotive LSI Product and Services

Table 21. Hagiwara Electronics (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Hagiwara Electronics (Japan) Recent Developments/Updates

Table 23. Hiji High-Tech (Japan) Basic Information, Manufacturing Base and Competitors

Table 24. Hiji High-Tech (Japan) Major Business

Table 25. Hiji High-Tech (Japan) Automotive LSI Product and Services

Table 26. Hiji High-Tech (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Hiji High-Tech (Japan) Recent Developments/Updates

Table 28. Japan Semiconductor (Japan) Basic Information, Manufacturing Base and Competitors

Table 29. Japan Semiconductor (Japan) Major Business

Table 30. Japan Semiconductor (Japan) Automotive LSI Product and Services

Table 31. Japan Semiconductor (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Japan Semiconductor (Japan) Recent Developments/Updates

Table 33. Kyushu Denshi (Japan) Basic Information, Manufacturing Base and Competitors

Table 34. Kyushu Denshi (Japan) Major Business

Table 35. Kyushu Denshi (Japan) Automotive LSI Product and Services

Table 36. Kyushu Denshi (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Kyushu Denshi (Japan) Recent Developments/Updates

Table 38. MegaChips (Japan) Basic Information, Manufacturing Base and Competitors

Table 39. MegaChips (Japan) Major Business

Table 40. MegaChips (Japan) Automotive LSI Product and Services

Table 41. MegaChips (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. MegaChips (Japan) Recent Developments/Updates

Table 43. MIE Fujitsu Semiconductor (Japan) Basic Information, Manufacturing Base and Competitors

Table 44. MIE Fujitsu Semiconductor (Japan) Major Business

Table 45. MIE Fujitsu Semiconductor (Japan) Automotive LSI Product and Services

Table 46. MIE Fujitsu Semiconductor (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. MIE Fujitsu Semiconductor (Japan) Recent Developments/Updates

Table 48. Nippon Pulse Motor (Japan) Basic Information, Manufacturing Base and Competitors

Table 49. Nippon Pulse Motor (Japan) Major Business

Table 50. Nippon Pulse Motor (Japan) Automotive LSI Product and Services

Table 51. Nippon Pulse Motor (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share

(2019-2024)

Table 52. Nippon Pulse Motor (Japan) Recent Developments/Updates

Table 53. Panasonic (Japan) Basic Information, Manufacturing Base and Competitors

Table 54. Panasonic (Japan) Major Business

Table 55. Panasonic (Japan) Automotive LSI Product and Services

Table 56. Panasonic (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Panasonic (Japan) Recent Developments/Updates

Table 58. Renesas Electronics (Japan) Basic Information, Manufacturing Base and Competitors

Table 59. Renesas Electronics (Japan) Major Business

Table 60. Renesas Electronics (Japan) Automotive LSI Product and Services

Table 61. Renesas Electronics (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Renesas Electronics (Japan) Recent Developments/Updates

Table 63. Rohm (Japan) Basic Information, Manufacturing Base and Competitors

Table 64. Rohm (Japan) Major Business

Table 65. Rohm (Japan) Automotive LSI Product and Services

Table 66. Rohm (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Rohm (Japan) Recent Developments/Updates

Table 68. Saga Electronics (Japan) Basic Information, Manufacturing Base and Competitors

Table 69. Saga Electronics (Japan) Major Business

Table 70. Saga Electronics (Japan) Automotive LSI Product and Services

Table 71. Saga Electronics (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Saga Electronics (Japan) Recent Developments/Updates

Table 73. SEIKO NPC (Japan) Basic Information, Manufacturing Base and Competitors

Table 74. SEIKO NPC (Japan) Major Business

Table 75. SEIKO NPC (Japan) Automotive LSI Product and Services

Table 76. SEIKO NPC (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. SEIKO NPC (Japan) Recent Developments/Updates

Table 78. Sharp (Japan) Basic Information, Manufacturing Base and Competitors

Table 79. Sharp (Japan) Major Business

Table 80. Sharp (Japan) Automotive LSI Product and Services

Table 81. Sharp (Japan) Automotive LSI Sales Quantity (K Units), Average Price

(USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. Sharp (Japan) Recent Developments/Updates

Table 83. Sony Semiconductor Solutions (Japan) Basic Information, Manufacturing Base and Competitors

Table 84. Sony Semiconductor Solutions (Japan) Major Business

Table 85. Sony Semiconductor Solutions (Japan) Automotive LSI Product and Services

Table 86. Sony Semiconductor Solutions (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 87. Sony Semiconductor Solutions (Japan) Recent Developments/Updates

Table 88. Tamagawa Denki (Japan) Basic Information, Manufacturing Base and Competitors

Table 89. Tamagawa Denki (Japan) Major Business

Table 90. Tamagawa Denki (Japan) Automotive LSI Product and Services

Table 91. Tamagawa Denki (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 92. Tamagawa Denki (Japan) Recent Developments/Updates

Table 93. TDK (Japan) Basic Information, Manufacturing Base and Competitors

Table 94. TDK (Japan) Major Business

Table 95. TDK (Japan) Automotive LSI Product and Services

Table 96. TDK (Japan) Automotive LSI Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 97. TDK (Japan) Recent Developments/Updates

Table 98. Global Automotive LSI Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 99. Global Automotive LSI Revenue by Manufacturer (2019-2024) & (USD Million)

Table 100. Global Automotive LSI Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 101. Market Position of Manufacturers in Automotive LSI, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 102. Head Office and Automotive LSI Production Site of Key Manufacturer

Table 103. Automotive LSI Market: Company Product Type Footprint

Table 104. Automotive LSI Market: Company Product Application Footprint

Table 105. Automotive LSI New Market Entrants and Barriers to Market Entry

Table 106. Automotive LSI Mergers, Acquisition, Agreements, and Collaborations

Table 107. Global Automotive LSI Sales Quantity by Region (2019-2024) & (K Units)

Table 108. Global Automotive LSI Sales Quantity by Region (2025-2030) & (K Units)

Table 109. Global Automotive LSI Consumption Value by Region (2019-2024) & (USD

Million)

Table 110. Global Automotive LSI Consumption Value by Region (2025-2030) & (USD Million)

Table 111. Global Automotive LSI Average Price by Region (2019-2024) & (USD/Unit)

Table 112. Global Automotive LSI Average Price by Region (2025-2030) & (USD/Unit)

Table 113. Global Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 114. Global Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 115. Global Automotive LSI Consumption Value by Type (2019-2024) & (USD Million)

Table 116. Global Automotive LSI Consumption Value by Type (2025-2030) & (USD Million)

Table 117. Global Automotive LSI Average Price by Type (2019-2024) & (USD/Unit)

Table 118. Global Automotive LSI Average Price by Type (2025-2030) & (USD/Unit)

Table 119. Global Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 120. Global Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 121. Global Automotive LSI Consumption Value by Application (2019-2024) & (USD Million)

Table 122. Global Automotive LSI Consumption Value by Application (2025-2030) & (USD Million)

Table 123. Global Automotive LSI Average Price by Application (2019-2024) & (USD/Unit)

Table 124. Global Automotive LSI Average Price by Application (2025-2030) & (USD/Unit)

Table 125. North America Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 126. North America Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 127. North America Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 128. North America Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 129. North America Automotive LSI Sales Quantity by Country (2019-2024) & (K Units)

Table 130. North America Automotive LSI Sales Quantity by Country (2025-2030) & (K Units)

Table 131. North America Automotive LSI Consumption Value by Country (2019-2024) & (USD Million)

Table 132. North America Automotive LSI Consumption Value by Country (2025-2030) & (USD Million)

Table 133. Europe Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 134. Europe Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 135. Europe Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 136. Europe Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 137. Europe Automotive LSI Sales Quantity by Country (2019-2024) & (K Units)

Table 138. Europe Automotive LSI Sales Quantity by Country (2025-2030) & (K Units)

Table 139. Europe Automotive LSI Consumption Value by Country (2019-2024) & (USD Million)

Table 140. Europe Automotive LSI Consumption Value by Country (2025-2030) & (USD Million)

Table 141. Asia-Pacific Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 142. Asia-Pacific Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 143. Asia-Pacific Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 144. Asia-Pacific Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 145. Asia-Pacific Automotive LSI Sales Quantity by Region (2019-2024) & (K Units)

Table 146. Asia-Pacific Automotive LSI Sales Quantity by Region (2025-2030) & (K Units)

Table 147. Asia-Pacific Automotive LSI Consumption Value by Region (2019-2024) & (USD Million)

Table 148. Asia-Pacific Automotive LSI Consumption Value by Region (2025-2030) & (USD Million)

Table 149. South America Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 150. South America Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 151. South America Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 152. South America Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 153. South America Automotive LSI Sales Quantity by Country (2019-2024) & (K Units)

Table 154. South America Automotive LSI Sales Quantity by Country (2025-2030) & (K Units)

Units)

Table 155. South America Automotive LSI Consumption Value by Country (2019-2024) & (USD Million)

Table 156. South America Automotive LSI Consumption Value by Country (2025-2030) & (USD Million)

Table 157. Middle East & Africa Automotive LSI Sales Quantity by Type (2019-2024) & (K Units)

Table 158. Middle East & Africa Automotive LSI Sales Quantity by Type (2025-2030) & (K Units)

Table 159. Middle East & Africa Automotive LSI Sales Quantity by Application (2019-2024) & (K Units)

Table 160. Middle East & Africa Automotive LSI Sales Quantity by Application (2025-2030) & (K Units)

Table 161. Middle East & Africa Automotive LSI Sales Quantity by Region (2019-2024) & (K Units)

Table 162. Middle East & Africa Automotive LSI Sales Quantity by Region (2025-2030) & (K Units)

Table 163. Middle East & Africa Automotive LSI Consumption Value by Region (2019-2024) & (USD Million)

Table 164. Middle East & Africa Automotive LSI Consumption Value by Region (2025-2030) & (USD Million)

Table 165. Automotive LSI Raw Material

Table 166. Key Manufacturers of Automotive LSI Raw Materials

Table 167. Automotive LSI Typical Distributors

Table 168. Automotive LSI Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Automotive LSI Picture

Figure 2. Global Automotive LSI Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Automotive LSI Consumption Value Market Share by Type in 2023

Figure 4. Analog Integrated Circuits Examples

Figure 5. Digital Integrated Circuits Examples

Figure 6. Digital/Analog Hybrid Integrated Circuits Examples

Figure 7. Global Automotive LSI Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Automotive LSI Consumption Value Market Share by Application in 2023

Figure 9. Passenger Cars Examples

Figure 10. Commercial Vehicles Examples

Figure 11. Global Automotive LSI Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 12. Global Automotive LSI Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 13. Global Automotive LSI Sales Quantity (2019-2030) & (K Units)

Figure 14. Global Automotive LSI Average Price (2019-2030) & (USD/Unit)

Figure 15. Global Automotive LSI Sales Quantity Market Share by Manufacturer in 2023

Figure 16. Global Automotive LSI Consumption Value Market Share by Manufacturer in 2023

Figure 17. Producer Shipments of Automotive LSI by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 18. Top 3 Automotive LSI Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Top 6 Automotive LSI Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Global Automotive LSI Sales Quantity Market Share by Region (2019-2030)

Figure 21. Global Automotive LSI Consumption Value Market Share by Region (2019-2030)

Figure 22. North America Automotive LSI Consumption Value (2019-2030) & (USD Million)

Figure 23. Europe Automotive LSI Consumption Value (2019-2030) & (USD Million)

Figure 24. Asia-Pacific Automotive LSI Consumption Value (2019-2030) & (USD Million)

Figure 25. South America Automotive LSI Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East & Africa Automotive LSI Consumption Value (2019-2030) & (USD Million)

Figure 27. Global Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 28. Global Automotive LSI Consumption Value Market Share by Type (2019-2030)

Figure 29. Global Automotive LSI Average Price by Type (2019-2030) & (USD/Unit)

Figure 30. Global Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 31. Global Automotive LSI Consumption Value Market Share by Application (2019-2030)

Figure 32. Global Automotive LSI Average Price by Application (2019-2030) & (USD/Unit)

Figure 33. North America Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 34. North America Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 35. North America Automotive LSI Sales Quantity Market Share by Country (2019-2030)

Figure 36. North America Automotive LSI Consumption Value Market Share by Country (2019-2030)

Figure 37. United States Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 38. Canada Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Mexico Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Europe Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 41. Europe Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 42. Europe Automotive LSI Sales Quantity Market Share by Country (2019-2030)

Figure 43. Europe Automotive LSI Consumption Value Market Share by Country (2019-2030)

Figure 44. Germany Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. France Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. United Kingdom Automotive LSI Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 47. Russia Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Italy Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Asia-Pacific Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 50. Asia-Pacific Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 51. Asia-Pacific Automotive LSI Sales Quantity Market Share by Region (2019-2030)

Figure 52. Asia-Pacific Automotive LSI Consumption Value Market Share by Region (2019-2030)

Figure 53. China Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Japan Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Korea Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. India Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Southeast Asia Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Australia Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. South America Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 60. South America Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 61. South America Automotive LSI Sales Quantity Market Share by Country (2019-2030)

Figure 62. South America Automotive LSI Consumption Value Market Share by Country (2019-2030)

Figure 63. Brazil Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Argentina Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Middle East & Africa Automotive LSI Sales Quantity Market Share by Type (2019-2030)

Figure 66. Middle East & Africa Automotive LSI Sales Quantity Market Share by Application (2019-2030)

Figure 67. Middle East & Africa Automotive LSI Sales Quantity Market Share by Region (2019-2030)

Figure 68. Middle East & Africa Automotive LSI Consumption Value Market Share by Region (2019-2030)

Figure 69. Turkey Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Egypt Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. Saudi Arabia Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. South Africa Automotive LSI Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Automotive LSI Market Drivers

Figure 74. Automotive LSI Market Restraints

Figure 75. Automotive LSI Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Automotive LSI in 2023

Figure 78. Manufacturing Process Analysis of Automotive LSI

Figure 79. Automotive LSI Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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