

# Global FR4 PCB Market Research Report 2024, Forecast to 2032

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## Abstracts

### Report Overview

FR4 is a class of printed circuit board base material made from a flame retardant epoxy resin and glass fabric composite. FR stands for flame retardant and meets the requirements of UL94V-0. FR4 has good adhesion to copper foil and has minimal water absorption, making it very suitable for standard applications. FR4 sheets are widely popular among electrical engineers and designers as a PCB base material. The low cost and versatility of the material, as well as its wealth of beneficial physical properties, account for that popularity. FR4 sheets are electrical insulators with high dielectric strength. They also feature a high strength-to-weight ratio and are lightweight and resistant to moisture. Add this to their relative temperature resistance, and FR4 material can perform well in most environmental conditions.

The global FR4 PCB market size was estimated at USD 11230 million in 2023 and is projected to reach USD 17272.66 million by 2032, exhibiting a CAGR of 4.90% during the forecast period.

North America FR4 PCB market size was estimated at USD 3177.18 million in 2023, at a CAGR of 4.20% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global FR4 PCB market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and

strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global FR4 PCB Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the FR4 PCB market in any manner.

### Global FR4 PCB Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

Zhen Ding Technology

JHDPCB

Unimicron

DSBJ

Nippon Mektron

TTM Technologies

Compeq

Shennan Circuits

Ibiden

HannStar Board (GBM)

SEMCO

Kingboard

AT and S

Nanya PCB

Market Segmentation (by Type)

Single-Sided PCB

Double-Sided PCB

Multilayered PCB

Market Segmentation (by Application)

Consumer Electronics

Computer

Communications

Industrial and Medical

Automotive

Military and Aerospace

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

#### Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the FR4 PCB Market

Overview of the regional outlook of the FR4 PCB Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the FR4 PCB Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of FR4 PCB, their output value, profit

level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

1.1 Market Definition and Statistical Scope of FR4 PCB

1.2 Key Market Segments

1.2.1 FR4 PCB Segment by Type

1.2.2 FR4 PCB Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

### **2 FR4 PCB MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global FR4 PCB Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global FR4 PCB Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 FR4 PCB MARKET COMPETITIVE LANDSCAPE**

3.1 Global FR4 PCB Sales by Manufacturers (2019-2024)

3.2 Global FR4 PCB Revenue Market Share by Manufacturers (2019-2024)

3.3 FR4 PCB Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global FR4 PCB Average Price by Manufacturers (2019-2024)

3.5 Manufacturers FR4 PCB Sales Sites, Area Served, Product Type

3.6 FR4 PCB Market Competitive Situation and Trends

3.6.1 FR4 PCB Market Concentration Rate

3.6.2 Global 5 and 10 Largest FR4 PCB Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

### **4 FR4 PCB INDUSTRY CHAIN ANALYSIS**

4.1 FR4 PCB Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF FR4 PCB MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
  - 5.5.1 New Product Developments
  - 5.5.2 Mergers & Acquisitions
  - 5.5.3 Expansions
  - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

## **6 FR4 PCB MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global FR4 PCB Sales Market Share by Type (2019-2024)
- 6.3 Global FR4 PCB Market Size Market Share by Type (2019-2024)
- 6.4 Global FR4 PCB Price by Type (2019-2024)

## **7 FR4 PCB MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global FR4 PCB Market Sales by Application (2019-2024)
- 7.3 Global FR4 PCB Market Size (M USD) by Application (2019-2024)
- 7.4 Global FR4 PCB Sales Growth Rate by Application (2019-2024)

## **8 FR4 PCB MARKET CONSUMPTION BY REGION**

- 8.1 Global FR4 PCB Sales by Region
  - 8.1.1 Global FR4 PCB Sales by Region
  - 8.1.2 Global FR4 PCB Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America FR4 PCB Sales by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada

- 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe FR4 PCB Sales by Country
  - 8.3.2 Germany
  - 8.3.3 France
  - 8.3.4 U.K.
  - 8.3.5 Italy
  - 8.3.6 Russia
- 8.4 Asia Pacific
  - 8.4.1 Asia Pacific FR4 PCB Sales by Region
  - 8.4.2 China
  - 8.4.3 Japan
  - 8.4.4 South Korea
  - 8.4.5 India
  - 8.4.6 Southeast Asia
- 8.5 South America
  - 8.5.1 South America FR4 PCB Sales by Country
  - 8.5.2 Brazil
  - 8.5.3 Argentina
  - 8.5.4 Columbia
- 8.6 Middle East and Africa
  - 8.6.1 Middle East and Africa FR4 PCB Sales by Region
  - 8.6.2 Saudi Arabia
  - 8.6.3 UAE
  - 8.6.4 Egypt
  - 8.6.5 Nigeria
  - 8.6.6 South Africa

## **9 FR4 PCB MARKET PRODUCTION BY REGION**

- 9.1 Global Production of FR4 PCB by Region (2019-2024)
- 9.2 Global FR4 PCB Revenue Market Share by Region (2019-2024)
- 9.3 Global FR4 PCB Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America FR4 PCB Production
  - 9.4.1 North America FR4 PCB Production Growth Rate (2019-2024)
  - 9.4.2 North America FR4 PCB Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe FR4 PCB Production
  - 9.5.1 Europe FR4 PCB Production Growth Rate (2019-2024)

- 9.5.2 Europe FR4 PCB Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan FR4 PCB Production (2019-2024)
  - 9.6.1 Japan FR4 PCB Production Growth Rate (2019-2024)
  - 9.6.2 Japan FR4 PCB Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China FR4 PCB Production (2019-2024)
  - 9.7.1 China FR4 PCB Production Growth Rate (2019-2024)
  - 9.7.2 China FR4 PCB Production, Revenue, Price and Gross Margin (2019-2024)

## **10 KEY COMPANIES PROFILE**

- 10.1 Zhen Ding Technology
  - 10.1.1 Zhen Ding Technology FR4 PCB Basic Information
  - 10.1.2 Zhen Ding Technology FR4 PCB Product Overview
  - 10.1.3 Zhen Ding Technology FR4 PCB Product Market Performance
  - 10.1.4 Zhen Ding Technology Business Overview
  - 10.1.5 Zhen Ding Technology FR4 PCB SWOT Analysis
  - 10.1.6 Zhen Ding Technology Recent Developments
- 10.2 JHDPCB
  - 10.2.1 JHDPCB FR4 PCB Basic Information
  - 10.2.2 JHDPCB FR4 PCB Product Overview
  - 10.2.3 JHDPCB FR4 PCB Product Market Performance
  - 10.2.4 JHDPCB Business Overview
  - 10.2.5 JHDPCB FR4 PCB SWOT Analysis
  - 10.2.6 JHDPCB Recent Developments
- 10.3 Unimicron
  - 10.3.1 Unimicron FR4 PCB Basic Information
  - 10.3.2 Unimicron FR4 PCB Product Overview
  - 10.3.3 Unimicron FR4 PCB Product Market Performance
  - 10.3.4 Unimicron FR4 PCB SWOT Analysis
  - 10.3.5 Unimicron Business Overview
  - 10.3.6 Unimicron Recent Developments
- 10.4 DSBJ
  - 10.4.1 DSBJ FR4 PCB Basic Information
  - 10.4.2 DSBJ FR4 PCB Product Overview
  - 10.4.3 DSBJ FR4 PCB Product Market Performance
  - 10.4.4 DSBJ Business Overview
  - 10.4.5 DSBJ Recent Developments
- 10.5 Nippon Mektron
  - 10.5.1 Nippon Mektron FR4 PCB Basic Information

- 10.5.2 Nippon Mektron FR4 PCB Product Overview
- 10.5.3 Nippon Mektron FR4 PCB Product Market Performance
- 10.5.4 Nippon Mektron Business Overview
- 10.5.5 Nippon Mektron Recent Developments
- 10.6 TTM Technologies
  - 10.6.1 TTM Technologies FR4 PCB Basic Information
  - 10.6.2 TTM Technologies FR4 PCB Product Overview
  - 10.6.3 TTM Technologies FR4 PCB Product Market Performance
  - 10.6.4 TTM Technologies Business Overview
  - 10.6.5 TTM Technologies Recent Developments
- 10.7 Compeq
  - 10.7.1 Compeq FR4 PCB Basic Information
  - 10.7.2 Compeq FR4 PCB Product Overview
  - 10.7.3 Compeq FR4 PCB Product Market Performance
  - 10.7.4 Compeq Business Overview
  - 10.7.5 Compeq Recent Developments
- 10.8 Shennan Circuits
  - 10.8.1 Shennan Circuits FR4 PCB Basic Information
  - 10.8.2 Shennan Circuits FR4 PCB Product Overview
  - 10.8.3 Shennan Circuits FR4 PCB Product Market Performance
  - 10.8.4 Shennan Circuits Business Overview
  - 10.8.5 Shennan Circuits Recent Developments
- 10.9 Ibsiden
  - 10.9.1 Ibsiden FR4 PCB Basic Information
  - 10.9.2 Ibsiden FR4 PCB Product Overview
  - 10.9.3 Ibsiden FR4 PCB Product Market Performance
  - 10.9.4 Ibsiden Business Overview
  - 10.9.5 Ibsiden Recent Developments
- 10.10 HannStar Board (GBM)
  - 10.10.1 HannStar Board (GBM) FR4 PCB Basic Information
  - 10.10.2 HannStar Board (GBM) FR4 PCB Product Overview
  - 10.10.3 HannStar Board (GBM) FR4 PCB Product Market Performance
  - 10.10.4 HannStar Board (GBM) Business Overview
  - 10.10.5 HannStar Board (GBM) Recent Developments
- 10.11 SEMCO
  - 10.11.1 SEMCO FR4 PCB Basic Information
  - 10.11.2 SEMCO FR4 PCB Product Overview
  - 10.11.3 SEMCO FR4 PCB Product Market Performance
  - 10.11.4 SEMCO Business Overview

- 10.11.5 SEMCO Recent Developments
- 10.12 Kingboard
  - 10.12.1 Kingboard FR4 PCB Basic Information
  - 10.12.2 Kingboard FR4 PCB Product Overview
  - 10.12.3 Kingboard FR4 PCB Product Market Performance
  - 10.12.4 Kingboard Business Overview
  - 10.12.5 Kingboard Recent Developments
- 10.13 AT and S
  - 10.13.1 AT and S FR4 PCB Basic Information
  - 10.13.2 AT and S FR4 PCB Product Overview
  - 10.13.3 AT and S FR4 PCB Product Market Performance
  - 10.13.4 AT and S Business Overview
  - 10.13.5 AT and S Recent Developments
- 10.14 Nanya PCB
  - 10.14.1 Nanya PCB FR4 PCB Basic Information
  - 10.14.2 Nanya PCB FR4 PCB Product Overview
  - 10.14.3 Nanya PCB FR4 PCB Product Market Performance
  - 10.14.4 Nanya PCB Business Overview
  - 10.14.5 Nanya PCB Recent Developments

## **11 FR4 PCB MARKET FORECAST BY REGION**

- 11.1 Global FR4 PCB Market Size Forecast
- 11.2 Global FR4 PCB Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe FR4 PCB Market Size Forecast by Country
  - 11.2.3 Asia Pacific FR4 PCB Market Size Forecast by Region
  - 11.2.4 South America FR4 PCB Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Consumption of FR4 PCB by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)**

- 12.1 Global FR4 PCB Market Forecast by Type (2025-2032)
  - 12.1.1 Global Forecasted Sales of FR4 PCB by Type (2025-2032)
  - 12.1.2 Global FR4 PCB Market Size Forecast by Type (2025-2032)
  - 12.1.3 Global Forecasted Price of FR4 PCB by Type (2025-2032)
- 12.2 Global FR4 PCB Market Forecast by Application (2025-2032)
  - 12.2.1 Global FR4 PCB Sales (K Units) Forecast by Application
  - 12.2.2 Global FR4 PCB Market Size (M USD) Forecast by Application (2025-2032)

## 13 CONCLUSION AND KEY FINDINGS

## List Of Tables

### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. FR4 PCB Market Size Comparison by Region (M USD)
- Table 5. Global FR4 PCB Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global FR4 PCB Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global FR4 PCB Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global FR4 PCB Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in FR4 PCB as of 2022)
- Table 10. Global Market FR4 PCB Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers FR4 PCB Sales Sites and Area Served
- Table 12. Manufacturers FR4 PCB Product Type
- Table 13. Global FR4 PCB Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of FR4 PCB
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. FR4 PCB Market Challenges
- Table 22. Global FR4 PCB Sales by Type (K Units)
- Table 23. Global FR4 PCB Market Size by Type (M USD)
- Table 24. Global FR4 PCB Sales (K Units) by Type (2019-2024)
- Table 25. Global FR4 PCB Sales Market Share by Type (2019-2024)
- Table 26. Global FR4 PCB Market Size (M USD) by Type (2019-2024)
- Table 27. Global FR4 PCB Market Size Share by Type (2019-2024)
- Table 28. Global FR4 PCB Price (USD/Unit) by Type (2019-2024)
- Table 29. Global FR4 PCB Sales (K Units) by Application
- Table 30. Global FR4 PCB Market Size by Application
- Table 31. Global FR4 PCB Sales by Application (2019-2024) & (K Units)
- Table 32. Global FR4 PCB Sales Market Share by Application (2019-2024)
- Table 33. Global FR4 PCB Sales by Application (2019-2024) & (M USD)

- Table 34. Global FR4 PCB Market Share by Application (2019-2024)
- Table 35. Global FR4 PCB Sales Growth Rate by Application (2019-2024)
- Table 36. Global FR4 PCB Sales by Region (2019-2024) & (K Units)
- Table 37. Global FR4 PCB Sales Market Share by Region (2019-2024)
- Table 38. North America FR4 PCB Sales by Country (2019-2024) & (K Units)
- Table 39. Europe FR4 PCB Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific FR4 PCB Sales by Region (2019-2024) & (K Units)
- Table 41. South America FR4 PCB Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa FR4 PCB Sales by Region (2019-2024) & (K Units)
- Table 43. Global FR4 PCB Production (K Units) by Region (2019-2024)
- Table 44. Global FR4 PCB Revenue (US\$ Million) by Region (2019-2024)
- Table 45. Global FR4 PCB Revenue Market Share by Region (2019-2024)
- Table 46. Global FR4 PCB Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 47. North America FR4 PCB Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 48. Europe FR4 PCB Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 49. Japan FR4 PCB Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 50. China FR4 PCB Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 51. Zhen Ding Technology FR4 PCB Basic Information
- Table 52. Zhen Ding Technology FR4 PCB Product Overview
- Table 53. Zhen Ding Technology FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 54. Zhen Ding Technology Business Overview
- Table 55. Zhen Ding Technology FR4 PCB SWOT Analysis
- Table 56. Zhen Ding Technology Recent Developments
- Table 57. JHDPCB FR4 PCB Basic Information
- Table 58. JHDPCB FR4 PCB Product Overview
- Table 59. JHDPCB FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 60. JHDPCB Business Overview
- Table 61. JHDPCB FR4 PCB SWOT Analysis
- Table 62. JHDPCB Recent Developments
- Table 63. Unimicron FR4 PCB Basic Information
- Table 64. Unimicron FR4 PCB Product Overview
- Table 65. Unimicron FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit)

and Gross Margin (2019-2024)

Table 66. Unimicron FR4 PCB SWOT Analysis

Table 67. Unimicron Business Overview

Table 68. Unimicron Recent Developments

Table 69. DSBJ FR4 PCB Basic Information

Table 70. DSBJ FR4 PCB Product Overview

Table 71. DSBJ FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. DSBJ Business Overview

Table 73. DSBJ Recent Developments

Table 74. Nippon Mektron FR4 PCB Basic Information

Table 75. Nippon Mektron FR4 PCB Product Overview

Table 76. Nippon Mektron FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. Nippon Mektron Business Overview

Table 78. Nippon Mektron Recent Developments

Table 79. TTM Technologies FR4 PCB Basic Information

Table 80. TTM Technologies FR4 PCB Product Overview

Table 81. TTM Technologies FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. TTM Technologies Business Overview

Table 83. TTM Technologies Recent Developments

Table 84. Compeq FR4 PCB Basic Information

Table 85. Compeq FR4 PCB Product Overview

Table 86. Compeq FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. Compeq Business Overview

Table 88. Compeq Recent Developments

Table 89. Shennan Circuits FR4 PCB Basic Information

Table 90. Shennan Circuits FR4 PCB Product Overview

Table 91. Shennan Circuits FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. Shennan Circuits Business Overview

Table 93. Shennan Circuits Recent Developments

Table 94. Ibiden FR4 PCB Basic Information

Table 95. Ibiden FR4 PCB Product Overview

Table 96. Ibiden FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. Ibiden Business Overview

Table 98. Ibsiden Recent Developments

Table 99. HannStar Board (GBM) FR4 PCB Basic Information

Table 100. HannStar Board (GBM) FR4 PCB Product Overview

Table 101. HannStar Board (GBM) FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. HannStar Board (GBM) Business Overview

Table 103. HannStar Board (GBM) Recent Developments

Table 104. SEMCO FR4 PCB Basic Information

Table 105. SEMCO FR4 PCB Product Overview

Table 106. SEMCO FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. SEMCO Business Overview

Table 108. SEMCO Recent Developments

Table 109. Kingboard FR4 PCB Basic Information

Table 110. Kingboard FR4 PCB Product Overview

Table 111. Kingboard FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. Kingboard Business Overview

Table 113. Kingboard Recent Developments

Table 114. AT and S FR4 PCB Basic Information

Table 115. AT and S FR4 PCB Product Overview

Table 116. AT and S FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. AT and S Business Overview

Table 118. AT and S Recent Developments

Table 119. Nanya PCB FR4 PCB Basic Information

Table 120. Nanya PCB FR4 PCB Product Overview

Table 121. Nanya PCB FR4 PCB Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. Nanya PCB Business Overview

Table 123. Nanya PCB Recent Developments

Table 124. Global FR4 PCB Sales Forecast by Region (2025-2032) & (K Units)

Table 125. Global FR4 PCB Market Size Forecast by Region (2025-2032) & (M USD)

Table 126. North America FR4 PCB Sales Forecast by Country (2025-2032) & (K Units)

Table 127. North America FR4 PCB Market Size Forecast by Country (2025-2032) & (M USD)

Table 128. Europe FR4 PCB Sales Forecast by Country (2025-2032) & (K Units)

Table 129. Europe FR4 PCB Market Size Forecast by Country (2025-2032) & (M USD)

Table 130. Asia Pacific FR4 PCB Sales Forecast by Region (2025-2032) & (K Units)

Table 131. Asia Pacific FR4 PCB Market Size Forecast by Region (2025-2032) & (M USD)

Table 132. South America FR4 PCB Sales Forecast by Country (2025-2032) & (K Units)

Table 133. South America FR4 PCB Market Size Forecast by Country (2025-2032) & (M USD)

Table 134. Middle East and Africa FR4 PCB Consumption Forecast by Country (2025-2032) & (Units)

Table 135. Middle East and Africa FR4 PCB Market Size Forecast by Country (2025-2032) & (M USD)

Table 136. Global FR4 PCB Sales Forecast by Type (2025-2032) & (K Units)

Table 137. Global FR4 PCB Market Size Forecast by Type (2025-2032) & (M USD)

Table 138. Global FR4 PCB Price Forecast by Type (2025-2032) & (USD/Unit)

Table 139. Global FR4 PCB Sales (K Units) Forecast by Application (2025-2032)

Table 140. Global FR4 PCB Market Size Forecast by Application (2025-2032) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of FR4 PCB
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global FR4 PCB Market Size (M USD), 2019-2032
- Figure 5. Global FR4 PCB Market Size (M USD) (2019-2032)
- Figure 6. Global FR4 PCB Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. FR4 PCB Market Size by Country (M USD)
- Figure 11. FR4 PCB Sales Share by Manufacturers in 2023
- Figure 12. Global FR4 PCB Revenue Share by Manufacturers in 2023
- Figure 13. FR4 PCB Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market FR4 PCB Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by FR4 PCB Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global FR4 PCB Market Share by Type
- Figure 18. Sales Market Share of FR4 PCB by Type (2019-2024)
- Figure 19. Sales Market Share of FR4 PCB by Type in 2023
- Figure 20. Market Size Share of FR4 PCB by Type (2019-2024)
- Figure 21. Market Size Market Share of FR4 PCB by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global FR4 PCB Market Share by Application
- Figure 24. Global FR4 PCB Sales Market Share by Application (2019-2024)
- Figure 25. Global FR4 PCB Sales Market Share by Application in 2023
- Figure 26. Global FR4 PCB Market Share by Application (2019-2024)
- Figure 27. Global FR4 PCB Market Share by Application in 2023
- Figure 28. Global FR4 PCB Sales Growth Rate by Application (2019-2024)
- Figure 29. Global FR4 PCB Sales Market Share by Region (2019-2024)
- Figure 30. North America FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 31. North America FR4 PCB Sales Market Share by Country in 2023
- Figure 32. U.S. FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 33. Canada FR4 PCB Sales (K Units) and Growth Rate (2019-2024)

- Figure 34. Mexico FR4 PCB Sales (Units) and Growth Rate (2019-2024)
- Figure 35. Europe FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 36. Europe FR4 PCB Sales Market Share by Country in 2023
- Figure 37. Germany FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 38. France FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 39. U.K. FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 40. Italy FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 41. Russia FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 42. Asia Pacific FR4 PCB Sales and Growth Rate (K Units)
- Figure 43. Asia Pacific FR4 PCB Sales Market Share by Region in 2023
- Figure 44. China FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 45. Japan FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 46. South Korea FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 47. India FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 48. Southeast Asia FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 49. South America FR4 PCB Sales and Growth Rate (K Units)
- Figure 50. South America FR4 PCB Sales Market Share by Country in 2023
- Figure 51. Brazil FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 52. Argentina FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 53. Columbia FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 54. Middle East and Africa FR4 PCB Sales and Growth Rate (K Units)
- Figure 55. Middle East and Africa FR4 PCB Sales Market Share by Region in 2023
- Figure 56. Saudi Arabia FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 57. UAE FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 58. Egypt FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 59. Nigeria FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 60. South Africa FR4 PCB Sales and Growth Rate (2019-2024) & (K Units)
- Figure 61. Global FR4 PCB Production Market Share by Region (2019-2024)
- Figure 62. North America FR4 PCB Production (K Units) Growth Rate (2019-2024)
- Figure 63. Europe FR4 PCB Production (K Units) Growth Rate (2019-2024)
- Figure 64. Japan FR4 PCB Production (K Units) Growth Rate (2019-2024)
- Figure 65. China FR4 PCB Production (K Units) Growth Rate (2019-2024)
- Figure 66. Global FR4 PCB Sales Forecast by Volume (2019-2032) & (K Units)
- Figure 67. Global FR4 PCB Market Size Forecast by Value (2019-2032) & (M USD)
- Figure 68. Global FR4 PCB Sales Market Share Forecast by Type (2025-2032)
- Figure 69. Global FR4 PCB Market Share Forecast by Type (2025-2032)
- Figure 70. Global FR4 PCB Sales Forecast by Application (2025-2032)
- Figure 71. Global FR4 PCB Market Share Forecast by Application (2025-2032)

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