

# Global FR4 Printed Circuit Board Market Growth 2023-2029

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## Abstracts

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According to our LPI (LP Information) latest study, the global FR4 Printed Circuit Board market size was valued at US\$ 10990 million in 2022. With growing demand in downstream market, the FR4 Printed Circuit Board is forecast to a readjusted size of US\$ 15550 million by 2029 with a CAGR of 5.1% during review period.

The research report highlights the growth potential of the global FR4 Printed Circuit Board market. FR4 Printed Circuit Board are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of FR4 Printed Circuit Board. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the FR4 Printed Circuit Board market.

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.

### Key Features:

The report on FR4 Printed Circuit Board market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the FR4 Printed Circuit Board market. It may include historical data, market segmentation by Type (e.g., Single-Sided PCB, Double-Sided PCB), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the FR4 Printed Circuit Board market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the FR4 Printed Circuit Board market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the FR4 Printed Circuit Board industry. This include advancements in FR4 Printed Circuit Board technology, FR4 Printed Circuit Board new entrants, FR4 Printed Circuit Board new investment, and other innovations that are shaping the future of FR4 Printed Circuit Board.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the FR4 Printed Circuit Board market. It includes factors influencing customer ' purchasing decisions, preferences for FR4 Printed Circuit Board product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the FR4 Printed Circuit Board market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting FR4 Printed Circuit Board market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental

impact and sustainability aspects of the FR4 Printed Circuit Board market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the FR4 Printed Circuit Board industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the FR4 Printed Circuit Board market.

**Market Segmentation:**

FR4 Printed Circuit Board market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

**Segmentation by type**

Single-Sided PCB

Double-Sided PCB

Multilayered PCB

**Segmentation by application**

Consumer Electronics

Computer

Communications

Industrial and Medical

Automotive

Military and Aerospace

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Zhen Ding Technology

JHDPCB

Unimicron

DSBJ

Nippon Mektron

TTM Technologies

Compeq

Shennan Circuits

Ibiden

HannStar Board (GBM)

SEMCO

Kingboard

AT and S

Nanya PCB

### Key Questions Addressed in this Report

What is the 10-year outlook for the global FR4 Printed Circuit Board market?

What factors are driving FR4 Printed Circuit Board market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do FR4 Printed Circuit Board market opportunities vary by end market size?

How does FR4 Printed Circuit Board break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global FR4 Printed Circuit Board Annual Sales 2018-2029
  - 2.1.2 World Current & Future Analysis for FR4 Printed Circuit Board by Geographic Region, 2018, 2022 & 2029
  - 2.1.3 World Current & Future Analysis for FR4 Printed Circuit Board by Country/Region, 2018, 2022 & 2029
- 2.2 FR4 Printed Circuit Board Segment by Type
  - 2.2.1 Single-Sided PCB
  - 2.2.2 Double-Sided PCB
  - 2.2.3 Multilayered PCB
- 2.3 FR4 Printed Circuit Board Sales by Type
  - 2.3.1 Global FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)
  - 2.3.2 Global FR4 Printed Circuit Board Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global FR4 Printed Circuit Board Sale Price by Type (2018-2023)
- 2.4 FR4 Printed Circuit Board Segment by Application
  - 2.4.1 Consumer Electronics
  - 2.4.2 Computer
  - 2.4.3 Communications
  - 2.4.4 Industrial and Medical
  - 2.4.5 Automotive
  - 2.4.6 Military and Aerospace
  - 2.4.7 Others
- 2.5 FR4 Printed Circuit Board Sales by Application

- 2.5.1 Global FR4 Printed Circuit Board Sale Market Share by Application (2018-2023)
- 2.5.2 Global FR4 Printed Circuit Board Revenue and Market Share by Application (2018-2023)
- 2.5.3 Global FR4 Printed Circuit Board Sale Price by Application (2018-2023)

### **3 GLOBAL FR4 PRINTED CIRCUIT BOARD BY COMPANY**

- 3.1 Global FR4 Printed Circuit Board Breakdown Data by Company
  - 3.1.1 Global FR4 Printed Circuit Board Annual Sales by Company (2018-2023)
  - 3.1.2 Global FR4 Printed Circuit Board Sales Market Share by Company (2018-2023)
- 3.2 Global FR4 Printed Circuit Board Annual Revenue by Company (2018-2023)
  - 3.2.1 Global FR4 Printed Circuit Board Revenue by Company (2018-2023)
  - 3.2.2 Global FR4 Printed Circuit Board Revenue Market Share by Company (2018-2023)
- 3.3 Global FR4 Printed Circuit Board Sale Price by Company
- 3.4 Key Manufacturers FR4 Printed Circuit Board Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers FR4 Printed Circuit Board Product Location Distribution
  - 3.4.2 Players FR4 Printed Circuit Board Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR FR4 PRINTED CIRCUIT BOARD BY GEOGRAPHIC REGION**

- 4.1 World Historic FR4 Printed Circuit Board Market Size by Geographic Region (2018-2023)
  - 4.1.1 Global FR4 Printed Circuit Board Annual Sales by Geographic Region (2018-2023)
  - 4.1.2 Global FR4 Printed Circuit Board Annual Revenue by Geographic Region (2018-2023)
- 4.2 World Historic FR4 Printed Circuit Board Market Size by Country/Region (2018-2023)
  - 4.2.1 Global FR4 Printed Circuit Board Annual Sales by Country/Region (2018-2023)
  - 4.2.2 Global FR4 Printed Circuit Board Annual Revenue by Country/Region (2018-2023)



- 4.3 Americas FR4 Printed Circuit Board Sales Growth
- 4.4 APAC FR4 Printed Circuit Board Sales Growth
- 4.5 Europe FR4 Printed Circuit Board Sales Growth
- 4.6 Middle East & Africa FR4 Printed Circuit Board Sales Growth

## **5 AMERICAS**

- 5.1 Americas FR4 Printed Circuit Board Sales by Country
  - 5.1.1 Americas FR4 Printed Circuit Board Sales by Country (2018-2023)
  - 5.1.2 Americas FR4 Printed Circuit Board Revenue by Country (2018-2023)
- 5.2 Americas FR4 Printed Circuit Board Sales by Type
- 5.3 Americas FR4 Printed Circuit Board Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC FR4 Printed Circuit Board Sales by Region
  - 6.1.1 APAC FR4 Printed Circuit Board Sales by Region (2018-2023)
  - 6.1.2 APAC FR4 Printed Circuit Board Revenue by Region (2018-2023)
- 6.2 APAC FR4 Printed Circuit Board Sales by Type
- 6.3 APAC FR4 Printed Circuit Board Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe FR4 Printed Circuit Board by Country
  - 7.1.1 Europe FR4 Printed Circuit Board Sales by Country (2018-2023)
  - 7.1.2 Europe FR4 Printed Circuit Board Revenue by Country (2018-2023)
- 7.2 Europe FR4 Printed Circuit Board Sales by Type
- 7.3 Europe FR4 Printed Circuit Board Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa FR4 Printed Circuit Board by Country

8.1.1 Middle East & Africa FR4 Printed Circuit Board Sales by Country (2018-2023)

8.1.2 Middle East & Africa FR4 Printed Circuit Board Revenue by Country (2018-2023)

8.2 Middle East & Africa FR4 Printed Circuit Board Sales by Type

8.3 Middle East & Africa FR4 Printed Circuit Board Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of FR4 Printed Circuit Board

10.3 Manufacturing Process Analysis of FR4 Printed Circuit Board

10.4 Industry Chain Structure of FR4 Printed Circuit Board

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 FR4 Printed Circuit Board Distributors

11.3 FR4 Printed Circuit Board Customer

## **12 WORLD FORECAST REVIEW FOR FR4 PRINTED CIRCUIT BOARD BY GEOGRAPHIC REGION**

- 12.1 Global FR4 Printed Circuit Board Market Size Forecast by Region
  - 12.1.1 Global FR4 Printed Circuit Board Forecast by Region (2024-2029)
  - 12.1.2 Global FR4 Printed Circuit Board Annual Revenue Forecast by Region (2024-2029)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global FR4 Printed Circuit Board Forecast by Type
- 12.7 Global FR4 Printed Circuit Board Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Zhen Ding Technology
  - 13.1.1 Zhen Ding Technology Company Information
  - 13.1.2 Zhen Ding Technology FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.1.3 Zhen Ding Technology FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 Zhen Ding Technology Main Business Overview
  - 13.1.5 Zhen Ding Technology Latest Developments
- 13.2 JHDPCB
  - 13.2.1 JHDPCB Company Information
  - 13.2.2 JHDPCB FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.2.3 JHDPCB FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 JHDPCB Main Business Overview
  - 13.2.5 JHDPCB Latest Developments
- 13.3 Unimicron
  - 13.3.1 Unimicron Company Information
  - 13.3.2 Unimicron FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.3.3 Unimicron FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.3.4 Unimicron Main Business Overview
  - 13.3.5 Unimicron Latest Developments

## 13.4 DSBJ

13.4.1 DSBJ Company Information

13.4.2 DSBJ FR4 Printed Circuit Board Product Portfolios and Specifications

13.4.3 DSBJ FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin  
(2018-2023)

13.4.4 DSBJ Main Business Overview

13.4.5 DSBJ Latest Developments

## 13.5 Nippon Mektron

13.5.1 Nippon Mektron Company Information

13.5.2 Nippon Mektron FR4 Printed Circuit Board Product Portfolios and Specifications

13.5.3 Nippon Mektron FR4 Printed Circuit Board Sales, Revenue, Price and Gross  
Margin (2018-2023)

13.5.4 Nippon Mektron Main Business Overview

13.5.5 Nippon Mektron Latest Developments

## 13.6 TTM Technologies

13.6.1 TTM Technologies Company Information

13.6.2 TTM Technologies FR4 Printed Circuit Board Product Portfolios and  
Specifications

13.6.3 TTM Technologies FR4 Printed Circuit Board Sales, Revenue, Price and Gross  
Margin (2018-2023)

13.6.4 TTM Technologies Main Business Overview

13.6.5 TTM Technologies Latest Developments

## 13.7 Compeq

13.7.1 Compeq Company Information

13.7.2 Compeq FR4 Printed Circuit Board Product Portfolios and Specifications

13.7.3 Compeq FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin  
(2018-2023)

13.7.4 Compeq Main Business Overview

13.7.5 Compeq Latest Developments

## 13.8 Shennan Circuits

13.8.1 Shennan Circuits Company Information

13.8.2 Shennan Circuits FR4 Printed Circuit Board Product Portfolios and  
Specifications

13.8.3 Shennan Circuits FR4 Printed Circuit Board Sales, Revenue, Price and Gross  
Margin (2018-2023)

13.8.4 Shennan Circuits Main Business Overview

13.8.5 Shennan Circuits Latest Developments

## 13.9 Ibsiden

13.9.1 Ibsiden Company Information

- 13.9.2 Ibsiden FR4 Printed Circuit Board Product Portfolios and Specifications
- 13.9.3 Ibsiden FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.9.4 Ibsiden Main Business Overview
- 13.9.5 Ibsiden Latest Developments
- 13.10 HannStar Board (GBM)
  - 13.10.1 HannStar Board (GBM) Company Information
  - 13.10.2 HannStar Board (GBM) FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.10.3 HannStar Board (GBM) FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.10.4 HannStar Board (GBM) Main Business Overview
  - 13.10.5 HannStar Board (GBM) Latest Developments
- 13.11 SEMCO
  - 13.11.1 SEMCO Company Information
  - 13.11.2 SEMCO FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.11.3 SEMCO FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.11.4 SEMCO Main Business Overview
  - 13.11.5 SEMCO Latest Developments
- 13.12 Kingboard
  - 13.12.1 Kingboard Company Information
  - 13.12.2 Kingboard FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.12.3 Kingboard FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.12.4 Kingboard Main Business Overview
  - 13.12.5 Kingboard Latest Developments
- 13.13 AT and S
  - 13.13.1 AT and S Company Information
  - 13.13.2 AT and S FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.13.3 AT and S FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.13.4 AT and S Main Business Overview
  - 13.13.5 AT and S Latest Developments
- 13.14 Nanya PCB
  - 13.14.1 Nanya PCB Company Information
  - 13.14.2 Nanya PCB FR4 Printed Circuit Board Product Portfolios and Specifications
  - 13.14.3 Nanya PCB FR4 Printed Circuit Board Sales, Revenue, Price and Gross Margin (2018-2023)

13.14.4 Nanya PCB Main Business Overview

13.14.5 Nanya PCB Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. FR4 Printed Circuit Board Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. FR4 Printed Circuit Board Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Single-Sided PCB

Table 4. Major Players of Double-Sided PCB

Table 5. Major Players of Multilayered PCB

Table 6. Global FR4 Printed Circuit Board Sales by Type (2018-2023) & (K Sqm)

Table 7. Global FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)

Table 8. Global FR4 Printed Circuit Board Revenue by Type (2018-2023) & (\$ million)

Table 9. Global FR4 Printed Circuit Board Revenue Market Share by Type (2018-2023)

Table 10. Global FR4 Printed Circuit Board Sale Price by Type (2018-2023) & (US\$/Sqm)

Table 11. Global FR4 Printed Circuit Board Sales by Application (2018-2023) & (K Sqm)

Table 12. Global FR4 Printed Circuit Board Sales Market Share by Application (2018-2023)

Table 13. Global FR4 Printed Circuit Board Revenue by Application (2018-2023)

Table 14. Global FR4 Printed Circuit Board Revenue Market Share by Application (2018-2023)

Table 15. Global FR4 Printed Circuit Board Sale Price by Application (2018-2023) & (US\$/Sqm)

Table 16. Global FR4 Printed Circuit Board Sales by Company (2018-2023) & (K Sqm)

Table 17. Global FR4 Printed Circuit Board Sales Market Share by Company (2018-2023)

Table 18. Global FR4 Printed Circuit Board Revenue by Company (2018-2023) (\$ Millions)

Table 19. Global FR4 Printed Circuit Board Revenue Market Share by Company (2018-2023)

Table 20. Global FR4 Printed Circuit Board Sale Price by Company (2018-2023) & (US\$/Sqm)

Table 21. Key Manufacturers FR4 Printed Circuit Board Producing Area Distribution and Sales Area

Table 22. Players FR4 Printed Circuit Board Products Offered

Table 23. FR4 Printed Circuit Board Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global FR4 Printed Circuit Board Sales by Geographic Region (2018-2023) & (K Sqm)

Table 27. Global FR4 Printed Circuit Board Sales Market Share Geographic Region (2018-2023)

Table 28. Global FR4 Printed Circuit Board Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 29. Global FR4 Printed Circuit Board Revenue Market Share by Geographic Region (2018-2023)

Table 30. Global FR4 Printed Circuit Board Sales by Country/Region (2018-2023) & (K Sqm)

Table 31. Global FR4 Printed Circuit Board Sales Market Share by Country/Region (2018-2023)

Table 32. Global FR4 Printed Circuit Board Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global FR4 Printed Circuit Board Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas FR4 Printed Circuit Board Sales by Country (2018-2023) & (K Sqm)

Table 35. Americas FR4 Printed Circuit Board Sales Market Share by Country (2018-2023)

Table 36. Americas FR4 Printed Circuit Board Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas FR4 Printed Circuit Board Revenue Market Share by Country (2018-2023)

Table 38. Americas FR4 Printed Circuit Board Sales by Type (2018-2023) & (K Sqm)

Table 39. Americas FR4 Printed Circuit Board Sales by Application (2018-2023) & (K Sqm)

Table 40. APAC FR4 Printed Circuit Board Sales by Region (2018-2023) & (K Sqm)

Table 41. APAC FR4 Printed Circuit Board Sales Market Share by Region (2018-2023)

Table 42. APAC FR4 Printed Circuit Board Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC FR4 Printed Circuit Board Revenue Market Share by Region (2018-2023)

Table 44. APAC FR4 Printed Circuit Board Sales by Type (2018-2023) & (K Sqm)

Table 45. APAC FR4 Printed Circuit Board Sales by Application (2018-2023) & (K Sqm)

Table 46. Europe FR4 Printed Circuit Board Sales by Country (2018-2023) & (K Sqm)

Table 47. Europe FR4 Printed Circuit Board Sales Market Share by Country (2018-2023)



Table 48. Europe FR4 Printed Circuit Board Revenue by Country (2018-2023) & (\$ Millions)

Table 49. Europe FR4 Printed Circuit Board Revenue Market Share by Country (2018-2023)

Table 50. Europe FR4 Printed Circuit Board Sales by Type (2018-2023) & (K Sqm)

Table 51. Europe FR4 Printed Circuit Board Sales by Application (2018-2023) & (K Sqm)

Table 52. Middle East & Africa FR4 Printed Circuit Board Sales by Country (2018-2023) & (K Sqm)

Table 53. Middle East & Africa FR4 Printed Circuit Board Sales Market Share by Country (2018-2023)

Table 54. Middle East & Africa FR4 Printed Circuit Board Revenue by Country (2018-2023) & (\$ Millions)

Table 55. Middle East & Africa FR4 Printed Circuit Board Revenue Market Share by Country (2018-2023)

Table 56. Middle East & Africa FR4 Printed Circuit Board Sales by Type (2018-2023) & (K Sqm)

Table 57. Middle East & Africa FR4 Printed Circuit Board Sales by Application (2018-2023) & (K Sqm)

Table 58. Key Market Drivers & Growth Opportunities of FR4 Printed Circuit Board

Table 59. Key Market Challenges & Risks of FR4 Printed Circuit Board

Table 60. Key Industry Trends of FR4 Printed Circuit Board

Table 61. FR4 Printed Circuit Board Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. FR4 Printed Circuit Board Distributors List

Table 64. FR4 Printed Circuit Board Customer List

Table 65. Global FR4 Printed Circuit Board Sales Forecast by Region (2024-2029) & (K Sqm)

Table 66. Global FR4 Printed Circuit Board Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 67. Americas FR4 Printed Circuit Board Sales Forecast by Country (2024-2029) & (K Sqm)

Table 68. Americas FR4 Printed Circuit Board Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 69. APAC FR4 Printed Circuit Board Sales Forecast by Region (2024-2029) & (K Sqm)

Table 70. APAC FR4 Printed Circuit Board Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 71. Europe FR4 Printed Circuit Board Sales Forecast by Country (2024-2029) &

(K Sqm)

Table 72. Europe FR4 Printed Circuit Board Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 73. Middle East & Africa FR4 Printed Circuit Board Sales Forecast by Country (2024-2029) & (K Sqm)

Table 74. Middle East & Africa FR4 Printed Circuit Board Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 75. Global FR4 Printed Circuit Board Sales Forecast by Type (2024-2029) & (K Sqm)

Table 76. Global FR4 Printed Circuit Board Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 77. Global FR4 Printed Circuit Board Sales Forecast by Application (2024-2029) & (K Sqm)

Table 78. Global FR4 Printed Circuit Board Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 79. Zhen Ding Technology Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 80. Zhen Ding Technology FR4 Printed Circuit Board Product Portfolios and Specifications

Table 81. Zhen Ding Technology FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 82. Zhen Ding Technology Main Business

Table 83. Zhen Ding Technology Latest Developments

Table 84. JHDPCB Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 85. JHDPCB FR4 Printed Circuit Board Product Portfolios and Specifications

Table 86. JHDPCB FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 87. JHDPCB Main Business

Table 88. JHDPCB Latest Developments

Table 89. Unimicron Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 90. Unimicron FR4 Printed Circuit Board Product Portfolios and Specifications

Table 91. Unimicron FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 92. Unimicron Main Business

Table 93. Unimicron Latest Developments

Table 94. DSBJ Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 95. DSBJ FR4 Printed Circuit Board Product Portfolios and Specifications

Table 96. DSBJ FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 97. DSBJ Main Business

Table 98. DSBJ Latest Developments

Table 99. Nippon Mektron Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 100. Nippon Mektron FR4 Printed Circuit Board Product Portfolios and Specifications

Table 101. Nippon Mektron FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 102. Nippon Mektron Main Business

Table 103. Nippon Mektron Latest Developments

Table 104. TTM Technologies Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 105. TTM Technologies FR4 Printed Circuit Board Product Portfolios and Specifications

Table 106. TTM Technologies FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 107. TTM Technologies Main Business

Table 108. TTM Technologies Latest Developments

Table 109. Compeq Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 110. Compeq FR4 Printed Circuit Board Product Portfolios and Specifications

Table 111. Compeq FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 112. Compeq Main Business

Table 113. Compeq Latest Developments

Table 114. Shennan Circuits Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 115. Shennan Circuits FR4 Printed Circuit Board Product Portfolios and Specifications

Table 116. Shennan Circuits FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)

Table 117. Shennan Circuits Main Business

Table 118. Shennan Circuits Latest Developments

Table 119. Ibiden Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors

Table 120. Ibiden FR4 Printed Circuit Board Product Portfolios and Specifications

- Table 121. Ibsiden FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 122. Ibsiden Main Business
- Table 123. Ibsiden Latest Developments
- Table 124. HannStar Board (GBM) Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors
- Table 125. HannStar Board (GBM) FR4 Printed Circuit Board Product Portfolios and Specifications
- Table 126. HannStar Board (GBM) FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 127. HannStar Board (GBM) Main Business
- Table 128. HannStar Board (GBM) Latest Developments
- Table 129. SEMCO Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors
- Table 130. SEMCO FR4 Printed Circuit Board Product Portfolios and Specifications
- Table 131. SEMCO FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 132. SEMCO Main Business
- Table 133. SEMCO Latest Developments
- Table 134. Kingboard Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors
- Table 135. Kingboard FR4 Printed Circuit Board Product Portfolios and Specifications
- Table 136. Kingboard FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 137. Kingboard Main Business
- Table 138. Kingboard Latest Developments
- Table 139. AT and S Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors
- Table 140. AT and S FR4 Printed Circuit Board Product Portfolios and Specifications
- Table 141. AT and S FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 142. AT and S Main Business
- Table 143. AT and S Latest Developments
- Table 144. Nanya PCB Basic Information, FR4 Printed Circuit Board Manufacturing Base, Sales Area and Its Competitors
- Table 145. Nanya PCB FR4 Printed Circuit Board Product Portfolios and Specifications
- Table 146. Nanya PCB FR4 Printed Circuit Board Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sqm) and Gross Margin (2018-2023)
- Table 147. Nanya PCB Main Business

Table 148. Nanya PCB Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of FR4 Printed Circuit Board
- Figure 2. FR4 Printed Circuit Board Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global FR4 Printed Circuit Board Sales Growth Rate 2018-2029 (K Sqm)
- Figure 7. Global FR4 Printed Circuit Board Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. FR4 Printed Circuit Board Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Single-Sided PCB
- Figure 10. Product Picture of Double-Sided PCB
- Figure 11. Product Picture of Multilayered PCB
- Figure 12. Global FR4 Printed Circuit Board Sales Market Share by Type in 2022
- Figure 13. Global FR4 Printed Circuit Board Revenue Market Share by Type (2018-2023)
- Figure 14. FR4 Printed Circuit Board Consumed in Consumer Electronics
- Figure 15. Global FR4 Printed Circuit Board Market: Consumer Electronics (2018-2023) & (K Sqm)
- Figure 16. FR4 Printed Circuit Board Consumed in Computer
- Figure 17. Global FR4 Printed Circuit Board Market: Computer (2018-2023) & (K Sqm)
- Figure 18. FR4 Printed Circuit Board Consumed in Communications
- Figure 19. Global FR4 Printed Circuit Board Market: Communications (2018-2023) & (K Sqm)
- Figure 20. FR4 Printed Circuit Board Consumed in Industrial and Medical
- Figure 21. Global FR4 Printed Circuit Board Market: Industrial and Medical (2018-2023) & (K Sqm)
- Figure 22. FR4 Printed Circuit Board Consumed in Automotive
- Figure 23. Global FR4 Printed Circuit Board Market: Automotive (2018-2023) & (K Sqm)
- Figure 24. FR4 Printed Circuit Board Consumed in Military and Aerospace
- Figure 25. Global FR4 Printed Circuit Board Market: Military and Aerospace (2018-2023) & (K Sqm)
- Figure 26. FR4 Printed Circuit Board Consumed in Others
- Figure 27. Global FR4 Printed Circuit Board Market: Others (2018-2023) & (K Sqm)
- Figure 28. Global FR4 Printed Circuit Board Sales Market Share by Application (2022)
- Figure 29. Global FR4 Printed Circuit Board Revenue Market Share by Application in

2022

Figure 30. FR4 Printed Circuit Board Sales Market by Company in 2022 (K Sqm)

Figure 31. Global FR4 Printed Circuit Board Sales Market Share by Company in 2022

Figure 32. FR4 Printed Circuit Board Revenue Market by Company in 2022 (\$ Million)

Figure 33. Global FR4 Printed Circuit Board Revenue Market Share by Company in 2022

Figure 34. Global FR4 Printed Circuit Board Sales Market Share by Geographic Region (2018-2023)

Figure 35. Global FR4 Printed Circuit Board Revenue Market Share by Geographic Region in 2022

Figure 36. Americas FR4 Printed Circuit Board Sales 2018-2023 (K Sqm)

Figure 37. Americas FR4 Printed Circuit Board Revenue 2018-2023 (\$ Millions)

Figure 38. APAC FR4 Printed Circuit Board Sales 2018-2023 (K Sqm)

Figure 39. APAC FR4 Printed Circuit Board Revenue 2018-2023 (\$ Millions)

Figure 40. Europe FR4 Printed Circuit Board Sales 2018-2023 (K Sqm)

Figure 41. Europe FR4 Printed Circuit Board Revenue 2018-2023 (\$ Millions)

Figure 42. Middle East & Africa FR4 Printed Circuit Board Sales 2018-2023 (K Sqm)

Figure 43. Middle East & Africa FR4 Printed Circuit Board Revenue 2018-2023 (\$ Millions)

Figure 44. Americas FR4 Printed Circuit Board Sales Market Share by Country in 2022

Figure 45. Americas FR4 Printed Circuit Board Revenue Market Share by Country in 2022

Figure 46. Americas FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)

Figure 47. Americas FR4 Printed Circuit Board Sales Market Share by Application (2018-2023)

Figure 48. United States FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 49. Canada FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Mexico FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 51. Brazil FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 52. APAC FR4 Printed Circuit Board Sales Market Share by Region in 2022

Figure 53. APAC FR4 Printed Circuit Board Revenue Market Share by Regions in 2022

Figure 54. APAC FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)

Figure 55. APAC FR4 Printed Circuit Board Sales Market Share by Application (2018-2023)

Figure 56. China FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Japan FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 58. South Korea FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$

Millions)

Figure 59. Southeast Asia FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 60. India FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 61. Australia FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 62. China Taiwan FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 63. Europe FR4 Printed Circuit Board Sales Market Share by Country in 2022

Figure 64. Europe FR4 Printed Circuit Board Revenue Market Share by Country in 2022

Figure 65. Europe FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)

Figure 66. Europe FR4 Printed Circuit Board Sales Market Share by Application (2018-2023)

Figure 67. Germany FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 68. France FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 69. UK FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 70. Italy FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 71. Russia FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Middle East & Africa FR4 Printed Circuit Board Sales Market Share by Country in 2022

Figure 73. Middle East & Africa FR4 Printed Circuit Board Revenue Market Share by Country in 2022

Figure 74. Middle East & Africa FR4 Printed Circuit Board Sales Market Share by Type (2018-2023)

Figure 75. Middle East & Africa FR4 Printed Circuit Board Sales Market Share by Application (2018-2023)

Figure 76. Egypt FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 77. South Africa FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 78. Israel FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 79. Turkey FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 80. GCC Country FR4 Printed Circuit Board Revenue Growth 2018-2023 (\$ Millions)

Figure 81. Manufacturing Cost Structure Analysis of FR4 Printed Circuit Board in 2022

Figure 82. Manufacturing Process Analysis of FR4 Printed Circuit Board

Figure 83. Industry Chain Structure of FR4 Printed Circuit Board

Figure 84. Channels of Distribution

Figure 85. Global FR4 Printed Circuit Board Sales Market Forecast by Region (2024-2029)

Figure 86. Global FR4 Printed Circuit Board Revenue Market Share Forecast by Region



(2024-2029)

Figure 87. Global FR4 Printed Circuit Board Sales Market Share Forecast by Type

(2024-2029)

Figure 88. Global FR4 Printed Circuit Board Revenue Market Share Forecast by Type

(2024-2029)

Figure 89. Global FR4 Printed Circuit Board Sales Market Share Forecast by

Application (2024-2029)

Figure 90. Global FR4 Printed Circuit Board Revenue Market Share Forecast by

Application (2024-2029)

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