

Middle East & Africa Substrate-Like PCB Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/MC97C020C95EEN.html>

Date: April 2026

Pages: 130

Price: US\$ 3,450.00 (Single User License)

ID: MC97C020C95EEN

Abstracts

The Substrate-Like PCB Market in the Middle East and Africa is projected to grow significantly, reaching an estimated US\$ 62.4 million by 2031, up from US\$ 30.0 million in 2024. This growth represents a compound annual growth rate (CAGR) of 11.8% from 2024 to 2031, indicating a robust expansion in this sector.

Executive Summary and Market Analysis

The substrate-like PCB market in the Middle East and Africa is divided into several key regions, including South Africa, Saudi Arabia, the UAE, and the broader Rest of Middle East and Africa. These regions are actively investing in the rollout of 5G networks, which is driving demand for advanced PCB technologies. Notably, strategic partnerships between network infrastructure providers and telecommunications companies are becoming increasingly common. For example, Huawei has committed to supporting 5G operators in the region, facilitating the exploration and commercial deployment of 5G technologies to capitalize on emerging business opportunities. According to Ericsson, the number of 5G subscriptions in the Middle East and North Africa (MENA) reached 22 million in 2022, with the UAE and Saudi Arabia leading the way in 5G investments and network deployment plans.

5G technology operates at significantly higher frequencies—up to 100 GHz or more—compared to 4G, necessitating the development of specialized substrates that can effectively transmit high-speed signals with minimal losses. This growing demand for 5G technology is expected to significantly boost the substrate-like PCB market in the Middle East and Africa over the forecast period.

Strategic Insights

Market Segmentation Analysis

The Middle East and Africa Substrate-Like PCB Market can be segmented based on various criteria:

By Line or Space: The market is categorized into three segments: 25 or 25 and 30 Micron, and Less than 25 or 25 Micron. The 25 or 25 and 30 Micron segment is anticipated to hold the largest market share in 2024.

By Fabrication Process: The market is divided into MSAP (Modified Semi-Additive Process) and UV LDI (Ultraviolet Laser Direct Imaging). In 2024, MSAP is expected to dominate the market.

By Application: The applications of substrate-like PCBs include Consumer Electronics, Automotive, Industrial, Medical, and Others, with the 'Others' category projected to hold the largest share in 2024.

Market Outlook

Miniature PCBs are crucial for the development of compact electronic devices. They are utilized in a variety of products, including pocket calculators, personal computers, smartphones, electronic watches, and medical devices, enhancing performance and reliability. The increasing demand for smaller, more portable products is driving the adoption of miniature PCBs, which are essential for creating lighter and more compact electronics. Traditional PCBs often face challenges such as signal loss, crosstalk, and electromagnetic interference (EMI) due to their larger trace widths and component spacing. This has led to a heightened demand for substrate-like PCBs, which improve signal integrity and reduce EMI in electronic devices.

Substrate-like PCBs are engineered with advanced materials that facilitate shorter signal paths and better-controlled resistance, significantly enhancing signal integrity and minimizing noise. The integration of these miniature substrate-like PCBs allows for the creation of high-density, multi-layer PCBs that can accommodate more components in a smaller footprint while maintaining signal integrity and reducing device size. Additionally, the aerospace and industrial sectors are increasingly demanding miniaturized PCBs to enhance the performance of electronic systems. As a result, the rising need for miniaturized PCBs is expected to introduce new trends in the market in the near future.

Country Insights

The substrate-like PCB market is further segmented by country, including the United Arab Emirates, Saudi Arabia, South Africa, and the Rest of Middle East and Africa. The UAE is projected to hold the largest market share in 2024.

The growth of the substrate-like PCB market in the UAE is largely driven by the increasing adoption of wearable devices aimed at improving health monitoring. A survey by AppDynamics (part of Cisco) in 2022 revealed that 88% of consumers in the UAE plan to adopt wearable technology, with 95% acknowledging the potential of these devices to transform health services. This trend is expected to boost the demand for substrate-like PCBs among manufacturers of wearable devices, as these PCBs help reduce the frequency of replacements and enhance user experience. Substrate-like PCBs are particularly beneficial for maintaining reliable communication through Wi-Fi, Bluetooth, or cellular connectivity, which is critical for applications such as electrocardiogram (ECG) readings and heart rate monitoring.

Company Profiles

Key players in the Middle East and Africa substrate-like PCB market include AT & S Austria Technologie & Systemtechnik Aktiengesellschaft, Samsung Electro-Mechanics Co Ltd, TTM Technologies Inc., Zhen Ding Tech. Group Technology Holding Limited, Compeq Manufacturing Co., Ltd., Kinsus Interconnect Technology, Korea Circuit, LG Innotek Co Ltd, Shenzhen Kinwong Electronic Co., Ltd., and ICAPE Holding SA. These companies are employing various strategies, including expansion, product innovation, and mergers and acquisitions, to enhance their market presence and offer innovative products to consumers.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:

4. SUBSTRATE-LIKE PCB MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 List of Vendors in the Value Chain

5. MIDDLE EAST & AFRICA SUBSTRATE-LIKE PCB MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities
- 5.4 Future Trends
- 5.5 Impact of Drivers and Restraints:

6. SUBSTRATE-LIKE PCB MARKET - MIDDLE EAST & AFRICA MARKET

ANALYSIS

6.1 Middle East & Africa Substrate-Like PCB Market Revenue (US\$ Million), 2024 - 2031

6.2 Middle East & Africa Substrate-Like PCB Market Forecast and Analysis

7. MIDDLE EAST & AFRICA SUBSTRATE-LIKE PCB MARKET REVENUE ANALYSIS - BY LINE OR SPACE

7.1 25 or 25 and 30 or 30 Micron

7.1.1 Overview

7.1.2 25 or 25 and 30 or 30 Micron: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Less than 25 or 25 Micron

7.2.1 Overview

7.2.2 Less than 25 or 25 Micron: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8. MIDDLE EAST & AFRICA SUBSTRATE-LIKE PCB MARKET REVENUE ANALYSIS - BY FABRICATION PROCESS

8.1 MSAP

8.1.1 Overview

8.1.2 MSAP: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

8.2 UV LDI

8.2.1 Overview

8.2.2 UV LDI: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9. MIDDLE EAST & AFRICA SUBSTRATE-LIKE PCB MARKET REVENUE ANALYSIS - BY APPLICATION

9.1 Consumer Electronics

9.1.1 Overview

9.1.2 Consumer Electronics: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.2 Automotive

9.2.1 Overview

9.2.2 Automotive: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.3 Industrial

9.3.1 Overview

9.3.2 Industrial: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.4 Medical

9.4.1 Overview

9.4.2 Medical: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

9.5 Others

9.5.1 Overview

9.5.2 Others: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10. MIDDLE EAST & AFRICA SUBSTRATE-LIKE PCB MARKET - COUNTRY ANALYSIS

10.1 Middle East & Africa

10.1.1 Middle East & Africa Substrate-Like PCB Market Revenue and Forecast and Analysis - by Country

10.1.1.1 Middle East & Africa Substrate-Like PCB Market Revenue and Forecast and Analysis - by Country

10.1.2.2 United Arab Emirates: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.1.2.2.1 United Arab Emirates: Middle East & Africa Substrate-Like PCB Market Share - by Line Or Space

10.1.2.2.2 United Arab Emirates: Middle East & Africa Substrate-Like PCB Market Share - by Fabrication Process

10.1.2.2.3 United Arab Emirates: Middle East & Africa Substrate-Like PCB Market Share - by Application

10.2.3.3 Saudi Arabia: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.2.3.3.1 Saudi Arabia: Middle East & Africa Substrate-Like PCB Market Share - by Line Or Space

10.2.3.3.2 Saudi Arabia: Middle East & Africa Substrate-Like PCB Market Share - by Fabrication Process

10.2.3.3.3 Saudi Arabia: Middle East & Africa Substrate-Like PCB Market Share - by Application

10.3.4.4 South Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.3.4.4.1 South Africa: Middle East & Africa Substrate-Like PCB Market Share - by Line Or Space

10.3.4.4.2 South Africa: Middle East & Africa Substrate-Like PCB Market Share - by Fabrication Process

10.3.4.4.3 South Africa: Middle East & Africa Substrate-Like PCB Market Share - by Application

10.4.5.5 Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

10.4.5.5.1 Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market Share - by Line Or Space

10.4.5.5.2 Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market Share - by Fabrication Process

10.4.5.5.3 Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market Share - by Application

11 COMPETITIVE LANDSCAPE

11.1 Heat Map Analysis by Key Players

11.2 Company Positioning & Concentration

12 INDUSTRY LANDSCAPE

12.1 Overview

12.2 New Product Development

12.3 Merger and Acquisition

12.4 Other Strategic Developments

13 COMPANY PROFILES

13.1 AT & S Austria Technologie & Systemtechnik Aktiengesellschaft

13.1.1 Key Facts

13.1.2 Business Description

13.1.3 Products and Services

13.1.4 Financial Overview

13.1.5 SWOT Analysis

13.1.6 Key Developments

13.2 Samsung Electro-Mechanics Co Ltd

- 13.2.1 Key Facts
- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments
- 13.3 TTM Technologies Inc.
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services
 - 13.3.4 Financial Overview
 - 13.3.5 SWOT Analysis
 - 13.3.6 Key Developments
- 13.4 Zhen Ding Tech. Group Technology Holding Limited
 - 13.4.1 Key Facts
 - 13.4.2 Business Description
 - 13.4.3 Products and Services
 - 13.4.4 Financial Overview
 - 13.4.5 SWOT Analysis
 - 13.4.6 Key Developments
- 13.5 Compeq Manufacturing Co., Ltd.
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 Kinsus Interconnect Technology
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 Korea Circuit
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview

13.7.5 SWOT Analysis

13.7.6 Key Developments

13.8 LG Innotek Co Ltd

13.8.1 Key Facts

13.8.2 Business Description

13.8.3 Products and Services

13.8.4 Financial Overview

13.8.5 SWOT Analysis

13.8.6 Key Developments

13.9 Shenzhen Kinwong Electronic Co., Ltd.

13.9.1 Key Facts

13.9.2 Business Description

13.9.3 Products and Services

13.9.4 Financial Overview

13.9.5 SWOT Analysis

13.9.6 Key Developments

13.10 ICAPE Holding SA

13.10.1 Key Facts

13.10.2 Business Description

13.10.3 Products and Services

13.10.4 Financial Overview

13.10.5 SWOT Analysis

13.10.6 Key Developments

14. APPENDIX

14.1 About The Insight Partners

List Of Tables

LIST OF TABLES

Table 1. Middle East & Africa Substrate-Like PCB Market Segmentation

Table 2. List of Vendors

Table 3. Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Table 4. Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Line Or Space

Table 5. Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Fabrication Process

Table 6. Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 7. Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country

Table 8. United Arab Emirates: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Line Or Space

Table 9. United Arab Emirates: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Fabrication Process

Table 10. United Arab Emirates: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 11. Saudi Arabia: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Line Or Space

Table 12. Saudi Arabia: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Fabrication Process

Table 13. Saudi Arabia: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 14. South Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Line Or Space

Table 15. South Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Fabrication Process

Table 16. South Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 17. Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Line Or Space

Table 18. Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Fabrication Process

Table 19. Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market
- Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application

Table 20. Heat Map Analysis by Key Players

List Of Figures

LIST OF FIGURES

Figure 1. Middle East & Africa Substrate-Like PCB Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Ecosystem: Substrate-Like PCB Market

Figure 4. Middle East & Africa Substrate-Like PCB Market - Key Market Dynamics

Figure 5. Impact Analysis of Drivers and Restraints

Figure 6. Middle East & Africa Substrate-Like PCB Market Revenue (US\$ Million), 2024 - 2031

Figure 7. Middle East & Africa Substrate-Like PCB Market Share (%) - by Line Or Space, 2024 and 2031

Figure 8. 25 or 25 and 30 or 30 Micron: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 9. Less than 25 or 25 Micron: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 10. Middle East & Africa Substrate-Like PCB Market Share (%) - by Fabrication Process, 2024 and 2031

Figure 11. MSAP: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 12. UV LDI: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 13. Middle East & Africa Substrate-Like PCB Market Share (%) - by Application, 2024 and 2031

Figure 14. Consumer Electronics: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 15. Automotive: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 16. Industrial: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 17. Medical: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 18. Others: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 19. Middle East & Africa Substrate-Like PCB Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 20. United Arab Emirates: Middle East & Africa Substrate-Like PCB Market -

Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. Saudi Arabia: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 22. South Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 23. Rest of Middle East & Africa: Middle East & Africa Substrate-Like PCB Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 24. Company Positioning & Concentration

I would like to order

Product name: Middle East & Africa Substrate-Like PCB Market Size and Forecast (2021 - 2031)

Product link: <https://marketpublishers.com/r/MC97C020C95EEN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/MC97C020C95EEN.html>