

Aerospace and Defense PCB Market Overview: Size, Share, Competitive Landscape, and Trend Analysis Report

*The Business Research Company's
Aerospace and Defense PCB Global
Market Report 2026 – Market Size,
Trends, And Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED
KINGDOM, January 23, 2026

[/EINPresswire.com/](https://www.thebusinessresearchcompany.com/) -- The aerospace
and defense sector relies heavily on

advanced printed circuit boards (PCBs) designed to meet stringent industry standards. As technology evolves, the demand for specialized PCBs tailored for aerospace and defense applications continues to grow steadily. Let's explore the current market size, key growth drivers, regional insights, and the future outlook for the aerospace & defense PCB market.

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[Aerospace and Defense PCB Market Size](#) and Growth Projections

The aerospace & defense PCB market has experienced consistent growth over recent years. It is projected to expand from \$1.36 billion in 2025 to \$1.4 billion in 2026, reflecting a compound annual growth rate (CAGR) of 3.0%. This growth stems from advancements in traditional aerospace electronics manufacturing, rising demand for ruggedized PCB materials, early adoption in military communication systems, expansion in radar and navigation electronics, and the development of multilayer PCB designs.

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Looking ahead, the market is expected to maintain steady growth, reaching \$1.59 billion by 2030 with a CAGR of 3.2%. This forecast is driven by increased production of next-generation aircraft, greater demand for lightweight and high-density PCBs, growth in space electronics manufacturing, expansion of unmanned aerial vehicle (UAV) platforms, and the adoption of advanced avionics and mission systems. Emerging trends include the use of cybersecure, high-reliability PCB architectures, advanced aerospace manufacturing processes, autonomous flight control electronics, AI-integrated mission-critical circuitry, and IoT-connected avionics platforms.

Understanding Aerospace and Defense PCBs and Their Applications

Aerospace and defense PCBs are specially engineered circuit boards designed to meet the rigorous demands of aerospace and military systems. These PCBs serve critical functions in flight control, communications, and navigation systems, ensuring reliable performance under extreme conditions. Their design adheres to industry standards that guarantee durability, precision, and safety for mission-critical applications.

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Key Factors Fueling Growth in the Aerospace & Defense PCB Market

One of the primary drivers propelling the aerospace & defense PCB market is the growing demand for commercial and military unmanned aerial vehicles (UAVs). Military drones, which may be remotely operated or autonomously flown using AI-enhanced flight plans, rely heavily on aerospace-grade PCBs for their sophisticated systems. The importance of these PCBs lies in enabling UAVs to operate safely and effectively in complex and demanding environments.

For example, in December 2022, Skykam Technical Inspections, a UK-based drone solutions provider, reported that the global drone market was valued at \$43 billion in 2022, with personal drones accounting for 94% of unit sales. Additionally, the Federal Aviation Administration recorded 855,860 registered drones in the United States during 2023. These statistics highlight the increasing penetration of UAVs across commercial and defense sectors, which in turn stimulates demand for aerospace & defense PCBs.

Regional Overview of [the Aerospace and Defense PCB Market](#)

In 2025, North America was the leading region in terms of market size for aerospace and defense PCBs. However, the Asia-Pacific region is anticipated to experience the fastest growth throughout the forecast period. The market report covers multiple geographic areas including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive regional perspective on market dynamics and opportunities.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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