Empowering Modern Defense : The Crucial Role of Semiconductors in Military and Aerospace Applications

Semiconductor in Military and Aerospace

OREGAON, PORTLAND, UNITED STATES, April 13, 2023 /EINPresswire.com/ -- Allied Market Research published a report, titled, "Semiconductor in Military and Aerospace Market by Component (Sensors, Memory, Opto Electronics, Logic, Micro, Analog, and Others), Technology (Surface Mount Technology and Through-Hole Technology), End Use (Military and Aerospace), and Application (Communication, Navigation, Global Positioning System (GPS) and Surveillance, Imaging, Radar and Earth Observation, Munitions, and Others): Global Opportunity Analysis and Industry Forecast, 2021–2031". According to the report, the global semiconductor in the military and aerospace industry is expected to generate $6.3 billion in 2021 and is anticipated to generate $12.9 billion in 2031, witnessing a CAGR of 7.6% from 2022 to 2031.

Download Sample of Research Report - https://www.alliedmarketresearch.com/request-sample/47855

The memory segment to maintain its leadership status throughout the forecast period

Based on components, the memory segment held the highest market share in 2021, accounting for more than one-fourth of the global semiconductor in the military and aerospace market, and is estimated to maintain its leadership status throughout the forecast period. The shift in the trend toward automation and quick adoption of new technologies such as artificial intelligence, and machine learning through the deployment of software-defined and autonomous satellites have notably increased the demand for onboard memory chips. The segment is also projected to manifest the highest CAGR of 9.4% from 2022 to 2031.

The through-hole technology segment to maintain its lead position during the forecast period

Based on technology, the through-hole technology segment accounted for the largest share in 2021, accounting for around three-fifths of the global semiconductor in the military and aerospace market, and is projected to maintain its lead position during the forecast period. Through-hole mount provides stronger mechanical bonds than surface mount technology, making through-hole ideal for semiconductor components that might undergo mechanical stress in the military and aerospace sectors. The segment is also expected to portray the highest CAGR of 7.9% from 2022 to 2031.

Interested to Procure the Research Report? Inquire Before Buying - https://www.alliedmarketresearch.com/purchase-enquiry/47855

The military segment to maintain its lead position during the forecast period

Based on end use, the military segment accounted for the largest share in 2021, accounting for around three-fourths of the global semiconductor in the military and aerospace market and is projected to maintain its lead position during the forecast period. In the military sector, semiconductor components are utilized in communication equipment, electronic surveillance & countermeasure, unmanned aerial vehicles, missile systems, and others. Additionally, the segment is also expected to portray the highest CAGR of 7.9% from 2022 to 2031.

KEY FINDINGS OF THE STUDY :

By component, the memory segment is anticipated to exhibit significant growth in the near future.

By technology, the through-hole technology segment is anticipated to exhibit significant growth in the near future.

By end use, the military segment is anticipated to exhibit significant growth in the near future.

By application, the communication, navigation, global positioning system & surveillance segment is anticipated to exhibit significant growth in the near future.

By region, North America is anticipated to register the highest CAGR during the forecast period.

Request Customization : https://www.alliedmarketresearch.com/request-for-customization/47855

Key players operating in the global semiconductor in military and aerospace market include Advanced Micro Devices Inc. (Xilinx Inc.), Analog Devices, Inc., Infineon Technologies AG, Microchip Technology Inc., Northrop Grumman Corporation, NXP Semiconductors NV, ON Semiconductor Corporation, Raytheon Technologies Corporation, Teledyne Technologies Inc., and Texas Instruments Incorporated.

David Correa
Allied Analytics LLP
+15038946022 ext.
email us here