PCB Connector Market is projected to experience a CAGR of 5.07% throughout the forecast period

The PCB connector market is anticipated to grow at a CAGR of 5.07% during the forecast period.

NOIDA, UTTAR PARDESH, INDIA, November 22, 2023 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the PCB connector market is projected to grow at a CAGR of 5.07% between 2021 and 2028.

The key driving force behind the rapid growth of the PCB connector market is the Increasing Demand for Electronics, technological advancements, and the rise of automation. For instance, according to the World Robotics Industrial Report 2023 by the International Federation of Robotics, the year 2022 witnessed a notable surge in industrial robot installations around the world. The report reveals a substantial increase of 5%, with 553,052 units being installed, in the year 2022, underscoring the growing demand for industrial automation.

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> *Knowledge Sourcing Intelligence*

PCB (Printed Circuit Board) connectors are electrical components that are used to connect electronic components or devices to a PCB. It allows for the secure attachment and transmission of signals between the PCB and various components like wires, cables, or other PCBs. PCB connectors are useful in numerous sectors including the industrial sector, the automation sector such as industrial robotics, and the power and energy sector such as wind turbine generator.

The market is noticing multiple product launches and advancements. For instance, in October 2023, PIC Wire & Cable launched the latest addition to the MACHFORCE product family - the MACHFORCE printed circuit board (PCB) connector. This solution presents a direct PCB mounting option, elevating mechanical stability, signal integrity, and space optimization within rugged computers and switches utilized in the aerospace sector. Also, in June 2020, TE Connectivity launched the D-2970 Dynamic Series, a compact wire-to-board PCB connector featuring a

convenient push-in clamp termination system for field installation, effectively saving time. Operating at a 5mm pitch, this new connector handles up to 20 amps and 400 volts within typical ambient application temperatures of 55°C without requiring further derating. Designed with multiple safety features, it includes an audible and tactile locking latch to ensure secure mating, a durable housing, and contacts engineered to withstand shock and vibration.

Access sample report or view details: https://www.knowledge-sourcing.com/report/pcb-connector-market

The PCB connector market, based on type, is segmented into five main categories namely pin header connector, board-to-board connector, wire-to-board and USB connector. A board-to-board connector is to establish electrical connections between printed circuit boards. These connectors allow for the interconnection of multiple PCBs within an electronic system or device.

The PCB connector market, based on its material, is divided into three segments, which include metal, polytetrafluroethylene (PTFE), and others. There are numerous metals used for PCB connectors such as copper, aluminum, and iron. Aluminum being Lightweight and corrosion-resistant, offers good conductivity and is often chosen for its cost-effectiveness and durability.

The PCB connector market, based on its end user, is segmented into six main categories namely aerospace & defense, industrial, power & energy, automotive, electrical & electronics, and others. Aerospace-grade PCB connectors are designed to withstand extreme temperature fluctuations, vibrations, and high levels of shock typically encountered during flight operations.

Asia Pacific is poised to experience substantial growth owing to the rise of the automotive and electric sector in the region, particularly in countries like India and China. For instance, according to the International Organization of Motor Vehicle Manufacturers, India witnessed a substantial increase in its overall vehicle production in 2022, totaling an impressive 5,456,857 units. This marks a remarkable growth rate of 24% compared to the preceding year when vehicle production amounted to 4,399,112 units in 2021.

The research includes coverage of TE Connectivity, Phoenix Contact, Amphenol Corporation, HARTING Stiftung & Co KG., Smiths Interconnect (Smiths Group), Molex LLC (Koch Industries), GCT (Aloco Group), 3M, Harwin, Vital Electrocomp as the significant market players in the PCB connector market.

The market analytics report segments the PCB connector market using the following criteria:

- By Type

o Pin Header Connector
o Board-To-Board Connector
o Wire-To-Board

- o USB Connector
- o Others

- By Material

- o Metal

- Copper
- Aluminum
- Iron

- o Polytetrafluroethylene (PTFE)
- o Others

- By End Users

- o Aerospace & Defense
- o Industrial
- o Power & Energy
- o Automotive
- o Electrical & Electronics
- o Others

- By Geography

- o North America

- United States
- Canada
- Mexico

- o South America

- Brazil
- Argentina
- Others

- o Europe

- Germany
- France
- United Kingdom
- Spain

- Others

o Middle East and Africa (MEA)

- Saudi Arabia
- UAE
- Others

o Asia Pacific

- China
- India
- South Korea
- Australia
- Japan
- Others

Companies Profiled:

- TE Connectivity
- Phoenix Contact
- Amphenol Corporation
- HARTING Stiftung & Co KG.
- Smiths Interconnect (Smiths Group)
- Molex LLC (Koch Industries)
- GCT (Aloco Group)
- 3M
- Harwin
- Vital Electrocomp

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