

Microcontroller Socket Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global microcontroller socket market size reached US\$ 1.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1.6 Billion by 2028, exhibiting a growth rate (CAGR) of 5.5% during 2023-2028.

Microcontroller sockets, also known as integrated circuit (IC) sockets, are static connectors designed for low-power devices. Quad-flat package (QFP), small outline package (SOP), dual-in-line package (DIP), ball grid array (BGA), and small outline IC (SOIC) are some standard product variants. These sockets are used to safely insert and remove IC chips that may get damaged from soldering. Microcontroller sockets offer numerous advantages, such as low power consumption, optimal data bandwidth, flexibility, susceptibility, high-end user interface support, and low system cost. As a result, they find extensive applications across the automotive, consumer electronics, industrial, medical, military, and defense industries.

Microcontroller Socket Market Trends:

The market is primarily being driven by the widespread product adoption in the automotive industry. Microcontroller sockets are used to support the small design and high level of integration in body electronics, driving safety, and information devices. In line with this, the escalating demand for smart energy for metering and power line communications with high accuracy, further helping in improving the performance of meters, is favoring the market growth. Additionally, the increasing need for automation that assists in miniaturization and digitization and facilitates dynamics in the field of

technology is acting as another growth-inducing factor. Apart from this, the introduction of miniaturized microcontroller sockets that supports high-performance, high-density demands and deliver fast solutions is providing an impetus to the market growth. Moreover, the widespread adoption of BGAs that are usually preferred for permanently mounted devices, such as microprocessors, and are used for ICs and area type of surface-mount packaging is propelling the market growth. Furthermore, key players are focusing on developing IC packaging techniques delivering a high application in a low-cost, -profile, and -power design is positively influencing the market growth. The factors, including the widespread product adoption in the military and defense industry for enhanced security and extensive research and development (R&D) activities, are supporting the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global microcontroller socket market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and application.

Breakup by Product:

DIP

BGA

QFP

SOP

SOIC

Breakup by Application:

Automotive

Consumer Electronics

Industrial

Medical Devices

Military and Defense

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Advanced Interconnections, Andon Electronics, Aries Electronics Inc., Johnstech International Corporation, Loranger International Corporation, Microchip Technology, Mill-Max Mfg. Corp., PRECI-DIP SA, TE Connectivity and Texas Instruments Inc.

Key Questions Answered in This Report

1. What was the size of the global microcontroller socket market in 2022?
2. What is the expected growth rate of the global microcontroller socket market during 2023-2028?
3. What are the key factors driving the global microcontroller socket market?
4. What has been the impact of COVID-19 on the global microcontroller socket market?
5. What is the breakup of the global microcontroller socket market based on the product?
6. What is the breakup of the global microcontroller socket market based on the application?

7. What are the key regions in the global microcontroller socket market?
8. Who are the key players/companies in the global microcontroller socket market?

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