

Coupled Inductor Market is Expected to Reach \$700.6 Million by 2032, Registering at a CAGR of 3.7%

Coupled Inductor Market was valued at \$513.2 million in 2023, and is projected to reach \$700.6 million by 2032, growing at a CAGR of 3.7% from 2024 to 2032.

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UNITED STATES, July 2, 2025

/EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Coupled Inductor Market](#)", by Type (Multilayer Coupled Inductors, Monolithic Coupled Inductors, Discrete Coupled Inductors),

by Application (Converters, Transformers, Regulators, Others), by End User (Consumer Electronics, Telecommunication, Automotive, Industrial, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2032." The report offers a detailed analysis of the top winning strategies, evolving market trends, market size and estimations, value chain, key investment

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The converter segment dominated the coupled inductor market size in terms of revenue in 2023 and is anticipated to grow at the fastest CAGR during the forecast period.”

Roshan Deshmukh

pockets, drivers & opportunities, competitive landscape and regional landscape. The report is a useful source of information for new entrants, shareholders, frontrunners and shareholders in introducing necessary strategies for the future and taking essential steps to significantly strengthen and heighten their position in the market. The connector market was valued at \$82.2 billion in 2023, and is estimated to reach \$141.1 billion by 2032, growing at a CAGR of 6.3% from 2024 to 2032.

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A coupled inductor is a device that has two or more windings on the same core and transfers energy from one to the other. They are utilized in numerous electrical applications, such as

Report Insights

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Coupled Inductor Market 01

power conversion circuits, radio broadcasts, and long-distance power distribution. Further, coupled inductors are primarily used for energy storage, noise filtering, and signal coupling. In power electronics, coupled inductors enhance the efficiency of DC-DC converters by providing better energy transfer and reducing the overall size of the circuit. They are integral in applications ranging from consumer electronics and automotive systems to telecommunications and industrial equipment. The performance of coupled inductors is often determined by factors such as inductance value, coupling coefficient, core material, and current handling capabilities.

Furthermore, the trend towards miniaturization in electronic devices increases the need for compact and efficient inductors. The multilayer segment, in particular, is gaining traction due to its superior performance in high-density power applications. However, the market faces challenges such as fluctuating raw material prices and the complexity of manufacturing high-precision inductors, which can restrain growth. Nonetheless, the increasing focus on developing smart grids and advancements in semiconductor technology present significant opportunities for market expansion. The Asia-Pacific region dominates the market, fueled by its strong electronics manufacturing base and rapid technological advancements, particularly in countries like China, Japan, and South Korea.

The coupled inductor market report is segmented into type, application, and region. On the basis of type, the market is divided into multilayer coupled inductors, monolithic coupled inductors, and discrete coupled inductors. By application, the coupled inductor market insights are analyzed across converters, transformers, regulators, and others. By end user, the market is segmented into consumer electronics, telecommunication, automotive, Industrial, and others. Region-wise, the coupled inductor market data is analyzed across North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa.

By type, the multilayer segment dominated the coupled inductor market size in terms of revenue in 2023 due to its critical role in improving the efficiency and performance of power management systems. Multilayer inductors are extensively used in applications requiring high power density and efficiency, such as in computer processors, servers, and advanced telecommunications equipment. The growing demand for high-performance computing and networking infrastructure is driving the adoption of multi-phase inductors.

By application, the converter segment dominated the coupled inductor market size in terms of revenue in 2023 due to the widespread use of power converters in various electronic devices and systems. Coupled inductors are essential in DC-DC converters, which are critical components in power supply units for consumer electronics, industrial equipment, and automotive applications. The increasing adoption of renewable energy sources, such as solar and wind power, which require efficient power conversion and management systems, significantly drives the demand for coupled inductors in converters.

By end user, the consumer electronics segment dominated the coupled inductor market in 2023 due to the high demand for miniaturized, efficient, and high-performance devices like

smartphones, tablets, and laptops. The continuous evolution and rapid turnover of electronic products drive the need for advanced power management solutions, boosting coupled inductor usage.

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By region, Asia-Pacific generated the largest revenue in the coupled inductor market in 2023, due to its robust electronics manufacturing sector and rapid technological advancements. Countries like China, Japan, South Korea, and Taiwan are major hubs for electronics production, contributing significantly to the demand for coupled inductors. The region's strong presence in the automotive industry, particularly in electric vehicles (EVs), also drives the market for coupled inductors, as these components are crucial for efficient power management in EV systems.

The coupled inductor market share by companies is analyzed across Samsung Electronics, Kioxia (formerly Toshiba Memory), Western Digital, Micron Technology, SK Hynix, Intel Corporation, Yangtze Memory Technologies Co. (YMTC), Solidigm (formerly Intel's NAND business), Phison Electronics, and Silicon Motion. Other top coupled inductor company list includes Marvell, Realtek, and others.

Key Benefits For Stakeholders:

- This coupled inductor industry report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the coupled inductor market analysis from 2024 to 2032 to identify the prevailing coupled inductor market opportunities. The coupled inductor market value is in \$ billion.
- The market research is offered along with information related to key coupled inductor growth drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- The important keywords related to market are magnetic coupling, mutual inductance, and flyback converter.
- In-depth analysis of the coupled inductor market segmentation assists to determine the prevailing market opportunities.
- Coupled inductor market size by country in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global coupled inductor market trends, key players, market segments, application areas, and market growth strategies.

Reasons to Buy This Coupled Inductor Market Report:

- Procure strategically important competitor information, analysis, and insights to formulate effective R&D strategies.
- Recognize emerging players with potentially strong product portfolio and create effective counter-strategies to gain competitive advantage.
- Classify potential new clients or partners in the target demographic.
- Develop tactical initiatives by understanding the focus areas of leading companies.
- Plan mergers and acquisitions meritoriously by identifying Top Manufacturer.
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- Create regional and country strategies on the basis of local data and analysis.

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