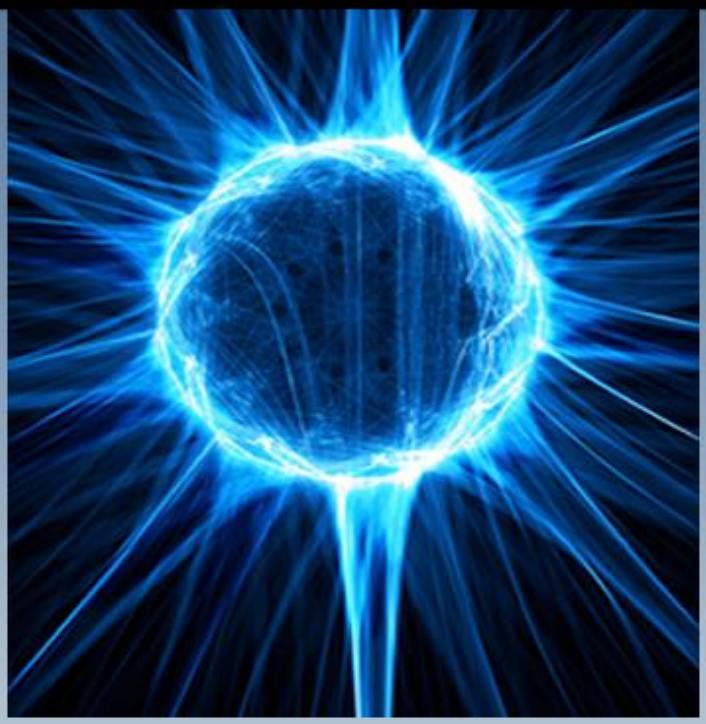
Power Connectors in Computing and Datacom Applications

Research Report P-660-14

March 2014



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Performance and Forecast of the World Connector Industry

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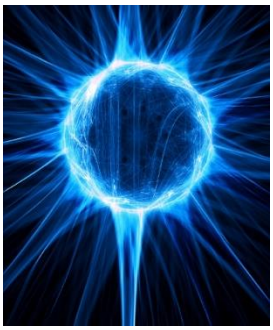

Bishop and Associates, Inc. has just released a new 11-chapter, 174 page research report providing a detailed analysis of the market for high-current power connectors designed specifically to perform in computing and datacom equipment. This new report explores how the industry has evolved from a relatively stable niche in the overall electronic connector market to one that is rapidly changing in order to support dramatically increasing power consumption.

Market values and forecasts covering the period 2011 through 2018 are provided along with CAGR figures by region of the world. Charts for each region illustrate the proliferation of power connectors over the 2012 through 2018 period.

Driven by constantly increasing power consumption by computers, servers, switches and telecommunication equipment, the power connector segment has experienced major changes in terms of hardware, performance metrics and design flexibility. Where power connectors in the past were often physically large, difficult to customize and costly, recently introduced power interfaces feature improved performance via lower contact resistance and voltage drop as well as hot-plugability. Connectors have become more compact resulting in greater current density. Additionally, smaller connectors can meet the requirements for compatibility with system thermal management strategies. The ability of a designer to specify hybrid connectors consisting of unique combinations of high /low power and signal contacts with minimal or no tooling charges represents a major change in how power connectors are sold.

This market research report addresses the many aspects of the power connector market from what is driving demand for increased current, to defining the key characteristics of the leading connector families that are currently available. Basic connector design and performance measurement processes are addressed to provide the reader with an in-depth understanding of the physics behind power connector technology. This provides a basis for appreciating how recent power connectors have evolved over the past 10 years to become more responsive to market demands.

One chapter is devoted to defining significant industry and technology trends that are impacting connector design and the applications they address.

Another chapter explores the factors that cause power connectors to fail, and reviews a process that can minimize the potential for connector failure.

Industry standards play a relatively limited role in the power connector market, but one chapter reviews standards that outline test methods commonly used in the industry, while other system architecture standards define a specific power connector. Regulatory standards that insure safety are also reviewed.

The report also includes several tutorial chapters on connector and high-power system design issues that enable a non-technical reader to gain from the information provided.

This market research report is the third in a continuing series of investigations in what has become a highly dynamic product segment. The advancement of this technology together with experience gained in designing these unique interfaces may set the stage for the evolution of all types of next generation electronic connectors.

Power Connectors in Computing and Datacom Applications

The following table of contents shows the detail provided in this new report.

Table of Contents

Power Connectors in Computing and Datacom Applications

To Order Power Connectors in Computing and Datacom Applications

Research Report P-660-14, ***Power Connectors in Computing and Datacom Applications*** is available for $3,950. If you would like additional information about this report, or would like to place an order, please complete the following information and fax or mail it to Bishop & Associates, Inc. Or place your order on our website: **http://store.bishopinc.com/**. Additional print copies of this report are available for $395.

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For Questions in **Europe:**
Mr. Arthur Visser
Bishop & Associates, Inc.
Phone: (32) 2.660.3696 Fax: (32) 2.675.8374
Email Arthur Visser.

Bishop & associates, inc.
Performance and Forecast of the World Connector Industry

1209 Fox Glen Drive
St. Charles, IL 60174
Phone: 630/443-2702 Fax: 630/443-2704
E-mail: bishop@bishopinc.com
Website: www.connectorindustry.com
Online Store: http://store.bishopinc.com/

What's New ?

Bishop & Associates has recently completed several new research reports about the worldwide connector industry. A table of contents for each report can be found at **http://store.bishopinc.com**.

- **Report P-660-14** — **Power Connectors in Computing and Datacom Applications (March 2014) NEW**
- **Report M-510-14** — **Connector Market Handbook (March 2014) NEW**
- **Report M-510-14** — **World Telecom Market for Connectors (February 2014) NEW**
- **Report P-410-14** — **Server Systems and Connector Forecast 2010-2020 (January 2014) NEW**
- **Report R-3200-13** — **World's Emerging Connector Markets (December 2013)**
- **Report F-2013-02** — **Connector Industry Forecast (November 2013)**
- **Report M-3100-13** — **Heavy Equipment Market for Connectors (November 2013)**
- **Report T-800-13** — **2013 North American Cable Assembly Manufacturers (October 2013)**
- **Report P-980-13** — **Mobile Backhaul Network Technologies and Connectivity Market (October 2013)**
- **Report P-610-13** — **World Market for Terminal Blocks (September 2013)**
- **Report C-122-13** — **2013 Connector Industry Yearbook (September 2013)**
- **Report P-799-13** — **2013 World Cable Assembly Market (August 2013)**
- **Report M-121-13** — **2013 Top 100 Connector Manufacturers (July 2013)**
- **Report C-303-13** — **2013 European Customer Survey of the Electronic Connector Industry (July 2013)**
- **Report P-881-13** — **Evolving High-Speed Backplane Connectors (June 2013)**

THE BISHOP REPORT - CONNECTOR INDUSTRY YEARBOOK

An annual subscription to ***THE BISHOP REPORT*** (12 issues) is available for $950. As part of your Bishop Report subscription, you have admission to BishopReport.com, a website that provides quick access to prior issues of The Bishop Report, News Briefs, connector industry news, the connector industry forecast, and various industry statistics.

The **CONNECTOR INDUSTRY YEARBOOK** is available for $1,250. However, Bishop & Associates offers a special combined price of $1,450 for ***THE BISHOP REPORT*** and the **CONNECTOR INDUSTRY YEARBOOK** (an annual savings of $750).

To view an expanded report description, and a complete table of contents, for all Bishop & Associates' research reports, **click here.**

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Bishop & Associates Inc.
1209 Fox Glen Drive • St. Charles, IL 60174
Phone: 630.443.2702 • Fax: 630.443.2704 • bishop@bishopinc.com • www.ConnectorIndustry.com
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