

World Circular Connector Market 2023

Research Report P-430-23
May 2023





Bishop & Associates has just released a new, extensive 229-page, seven-chapter research report providing an in-depth analysis of the MIL-spec/COTS equivalent and commercial/industrial circular connector markets. This new report furnishes detailed statistics worldwide and by region, broken down by circular connector types for the years 2021, 2022, 2023F and 2028F. In addition, to specific circular connector series, products are recapped as MIL-Spec/COTS equivalents and commercial/industrial types. An expanded quantitative review of cable assemblies using circular connectors is included along with reviews of many key manufacturers that produce the circular connectors discussed.

**Total World Circular Connector Sales by Region
Mil-Spec & COTS Equivalent
2021-2022**

MIL-Spec Circular Connectors	North America			Europe		
	2021	2022	% Chg.	2021	2022	% Chg.
Standard Circular Connectors (MIL & COTS)						
MIL-DTL-5015 A/B, E/F/R (MS is Inactive for New Design) CA/CT-, F-80, 97-, etc.	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-5015-340X (Front Release) & -350X (Rear Release)	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-83723 Series III (Crimp, Rear Release) EN2997/BACC, SBAC ESC10 & ESC11, GE M50TF3564	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Standard Reverse Bayonet VG 95234 Types CA-B, CB, GCA/B	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Others	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Total Standard Circular	\$XXX.X	\$XXX.X	Y.Y%	\$XXX.X	\$XXX.X	Y.Y%
Miniature Circular Connectors (MIL & COTS)						
MIL-DTL-26482 Series I Solder, PT, SE, KPT	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-26482 Series I Crimp	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-26482 Series II & M83723 Series I	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-83723 Series III	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
MIL-DTL-26500, BACC45-BACC63BV/BP/BN or CC/CP, C48	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Other Types: MIL-C-81582 (SAE-AS81582), MIL-DTL-83538, MIL-C-81703 (SAE-AS81703), etc.	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Total Miniature Circular	\$XXX.X	\$XXX.X	Y.Y%	\$XXX.X	\$XXX.X	Y.Y%
Subminiature Circular Connectors (MIL & COTS)						
Mil-DTL-38999 Series I	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Mil-DTL-38999 Series II, Incl. Composites	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Mil-DTL-38999 Series III, incl. NATO Types & Composites: BACC63CT/CU or BACC63DB/DC, EN3645, CECC	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Mil-DTL-38999 Series IV	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Others: Mil-C-27599, Push-Pull, MIL-DTL-81511 SS as SAE-AS81511, 348	\$XX.X	\$XX.X	Y.Y%	\$XX.X	\$XX.X	Y.Y%
Total Subminiature Circular	\$XXX.X	\$XXX.X	Y.Y%	\$XXX.X	\$XXX.X	Y.Y%

\$ Millions

Connectors are an essential part of electrical and electronic connections. In an increasingly electronic and digital world, connectors are key to creating products for networking and connectivity. They are used in all areas of electrical engineering and electronics. Depending on the application and transmission required, connectors are designed to satisfy the intended purpose in the best way possible, which is why there are so many variations, types, and sizes.

This report focuses on circular connectors, which range in size from nano and micro-miniature to huge, heavy-duty models. New product highlights include the recently issued MIL-DTL-32689 (micro DTL-38999 types), M5 for SPE, Multi-Port circulars with RF and FO, heavy duty vehicle connectors, hybrid and power M Series, hermaphroditic audio types, mini-sensor connectors, sealed and unsealed plastic circulars, push-pull and breakaway, and others, plus updates on both MIL and commercial versions of popular MIL-DTL-38999, MIL-DTL-5015, etc. Applicable US standards (MIL-Spec, EIA, SAE, etc.) plus selected international specifications (EU, Russian, Chinese, etc.) are listed.

**Total World Circular Connector Sales by Region
Commercial and Industrial
2023F and 2028F with 5-Year CAGR**

Commercial / Industrial Circular Connectors	2023F	2028F	5-Yr CAGR
DIN 41524, DIN 43563 Types (non-RF) Connectors			
Standard Circular	\$XX.X	\$XX.X	Y.Y%
Mini DIN Circular (Keyboard type, etc.)	\$XX.X	\$XX.X	Y.Y%
Subtotal DIN Connectors	\$XX.X	\$XX.X	Y.Y%
Audio/Microphone/Speaker Connectors			
Microphone (QG, XLR type)	\$XX.X	\$XX.X	Y.Y%
Large Types: MASScon, K/LK, SYNTAX SSX	\$XX.X	\$XX.X	Y.Y%
Speaker and Other Audio-type Connectors	\$XX.X	\$XX.X	Y.Y%
Subtotal Audio/Microphone Type Connectors	\$XX.X	\$XX.X	Y.Y%
Miscellaneous Circular			
Industrial Types: VEAM, HUBBELL, Eaton AMC, Amphenol DM, Socapex, ABB/Russellstoll , IEC 60309 connectors (IP69K), etc.	\$XX.X	\$XX.X	Y.Y%
Plastic Shell: ISO 15170, CPC types, HR30, etc.	\$XX.X	\$XX.X	Y.Y%
Soft Shell Types: Sure Seal, 164, Molded Remke, etc.	\$XX.X	\$XX.X	Y.Y%
Metal Shell: Amphenol 67, WPI 165, Japanese JIS C 5432, etc.	\$XX.X	\$XX.X	Y.Y%
Subtotal Misc. Circular	\$XX.X	\$XX.X	Y.Y%
Push Pull (Lemo, ODU, Fischer, YC8, types)			
Metal & Plastic Shell, Push Pull	\$XX.X	\$XX.X	Y.Y%
Subtotal Push Pull Connectors	\$XX.X	\$XX.X	Y.Y%

\$ Millions

This report is intended for use by those interested in forecasting circular connectors by product and industry trends or benchmarking comparative sales by product type or overall and regional markets, while providing an understanding of various circular connectors including new types, industry standards, and primary suppliers. While an in-depth technical presentation is not intended (books are written just on the materials involved), basic technology and comparative specifications are included. Forecasts reference industry specifications and generic series terminology.

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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 <https://store.bishopinc.com>.

- ❑ **Report P-430-23** **World Circular Connector Market 2023 (May 2023) NEW**
- ❑ **Report M-700-23** **World Connector Market Handbook (March 2023) NEW**
- ❑ **Report P-780-23** **World RF Coax Connector Market (January 2023) NEW**
- ❑ **Report F-2022-01** **Connector Industry Forecast (November 2022) NEW**
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- ❑ **Report P-420-22** **IC Sockets – Systems & Connector Forecast 2020-2030 (January 2022)**
- ❑ **Report P-520-21** **The World I/O Rectangular Connector Market 2021 (October 2021)**
- ❑ **Report M-310-21** **Instrumentation Market for Connectors (June 2021)**
- ❑ **Report P-410-21** **Computer Server Market Trends and Connector Use 2020 – 2030 (May 2021)**
- ❑ **Report M-607-21** **World Industrial Market for Connectors (April 2021)**
- ❑ **Report M-510-21** **World Telecom Connector Market 2020-2025 (January 2021)**

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