World RF Coax Connector Market 2020

Forecasts by Connector Series thru 2025
Technology, Standards, & Accessories

NEW RF Cable Assemblies

Research Report P-780-20
June 2020
Bishop & Associates Inc. is pleased to announce the release of its newest, information intensive, 12-chapter, 380-page research report on the World RF Coax Connector Market. The report presents the latest sales results and forecasts, plus technical details on the most current coax connector product developments and industry standards. The report was delayed and revised so that effects of the COVID-19 pandemic could be studied and included. Sales results and forecasts are provided by total world, regions, and by key RF coax connector family and product type. Sales are provided for the years 2018, 2019, and 2020F with a forecast for 2025. For the first time in these RF Coax Connector Reports, market information on RF Cable Assemblies is presented to provide a more complete overview of the RF coax connector industry.

Projections include a discussion on how 5G, IoT, DIN, VITA, EICA/EIA, IEEE, MIL/SOSA new programs and standards, plus trends for miniaturization, COTS, LEO satellites, higher frequencies, higher RF power, broader application bandwidths, and international supply chain shifts will affect the overall market and specific connector types. With a forecasted CAGR of XX.X% from 2020 to 2025, growth of the world RF coax connector market is expected to exceed many other sectors.

The economic impact of RF coaxial connectors is multiplied when cable assemblies and accessories are considered. This report’s market numbers are based upon actual manufacturers’ data carefully augmented by related historical knowledge and expert inputs. In 2019, RF coax connectors were one of the world’s top six connector categories, falling just behind fiber optic connectors, offering a significant business potential for those knowing market(s) direction and product details.

Sales of electronic connectors continue to grow to match consumer and industry needs. The RF coax connector portion is becoming increasingly important as the number of wireless enabled devices, and the amount of data consumed grows, at an almost unfathomable rate. This report examines which RF coax interconnect products are expected to achieve growth, versus those that may be static, or in decline. In addition to worldwide and regional marketplace sales data, supportive chapters on connector technology and specific product families are included to provide an understanding of the connectors involved, how they are used, and what affects their sales.
World RF Coax Connector Market 2020

A sampling of the RF coax connectors types included in this report is shown below.

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<th>Primary RF Family</th>
<th>Connector Series (Family Grouping)</th>
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</thead>
<tbody>
<tr>
<td>Ultra-Microminiature</td>
<td>U.FL, MHF, X.FL, UMCC, AMC, UMP</td>
</tr>
<tr>
<td>Microminiature</td>
<td>MCX, MMCX, QSL, SuperMini 0.9 mm, MOEBIUS</td>
</tr>
<tr>
<td>Subminiature</td>
<td>QMA, SMA, SSMA, SMB, SSMB, SMC, SSMC, SMD, FAKRA, 1.0/2.3, 1.6/5.6</td>
</tr>
<tr>
<td>Miniature</td>
<td>BNC/Mini BNC/HD-BNC, UHF/Mini-UHF, MHF, SHV, F, G, 2.2/5</td>
</tr>
<tr>
<td>Medium</td>
<td>TNC/TP-TNC, N, QN, HN, ZMA, SMPKey, 4.3/10, 4.1/9.5 Mini-DIN, NEX10, QLI</td>
</tr>
<tr>
<td>Large</td>
<td>DIN 7/16, L, C, SC, LC, LT</td>
</tr>
<tr>
<td>Precision</td>
<td>7mm, 3.5mm, 2.92mm, 2.40mm, 1.85mm, 1.35mm, 1mm, 0.8mm</td>
</tr>
<tr>
<td>Blindmate</td>
<td>BMA (OSP), BMMA (OSSP), SBMA, BZ, BMZ</td>
</tr>
<tr>
<td>Board-to-Board</td>
<td>SMP, SMPM, SMP3, IMP, MMBX, MBX, Compression Types</td>
</tr>
</tbody>
</table>

The level of numerical detail included in this report includes:

2018, 2019, 2020F, and 2025F RF Coax Connector Sales by Region
With Percent Change and Five-Year CAGR

<table>
<thead>
<tr>
<th>Region</th>
<th>2018</th>
<th>2019</th>
<th>Percent Change</th>
<th>2020</th>
<th>Percent Change</th>
<th>2025F</th>
<th>5-Year CAGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>North America</td>
<td>$XXX.X</td>
<td>$XXX.X</td>
<td>YY.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$X,XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td>Europe</td>
<td>$XXX.X</td>
<td>$XXX.X</td>
<td>-Y.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$X,XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td>Japan</td>
<td>$XXX.X</td>
<td>$XXX.X</td>
<td>-Y.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td>China</td>
<td>$X,XXX.X</td>
<td>$X,XXX.X</td>
<td>-YY.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$X,XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td>Asia Pacific</td>
<td>$XXX.X</td>
<td>$XXX.X</td>
<td>Y.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td>ROW</td>
<td>$XXX.X</td>
<td>$XXX.X</td>
<td>-Y.Y%</td>
<td>$XXX.X</td>
<td>-YY.Y%</td>
<td>$XXX.X</td>
<td>YY.Y%</td>
</tr>
<tr>
<td><strong>Total World</strong></td>
<td>$X,XXX.X</td>
<td>$X,XXX.X</td>
<td>-Y.Y%</td>
<td>$X,XXX.X</td>
<td>-YY.Y%</td>
<td>$X,XXX.X</td>
<td>YY.Y%</td>
</tr>
</tbody>
</table>

$ Millions
## World RF Coax Connector Market 2020

2019 and 2020F RF Coax Connectors
By Region with Percent Change

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Large Coax</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIN 7/16</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>LC/LT, C/SC Series</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Triaxial</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Others &amp; Custom Large RF (incl. Sizes 8-12 for Multi-Port), etc.</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Total Large</strong></td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Precision Coax</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0mm (110 GHz)</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Other Precision Coax, incl. 0.8mm, etc.</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Total Precision</strong></td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Blind-mate Coax</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GPO/SMP/SMPM/SMP3/SMMP Types</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Others, BZ, BMZ, BMA, BMMA, SFB, etc.</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Total Blindmate</strong></td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Between Series Adaptors</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Adapters, Inline, T, etc.</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Other Special Design</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Attenuators, Terminations, Dummy Loads, Shorting Caps</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Total RF Coax Connectors</strong></td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
</tbody>
</table>

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## 2020F and 2025F Connector Sales by RF Product Family
With Five-Year CAGR

<table>
<thead>
<tr>
<th>RF Product Family</th>
<th>Europe 2020F</th>
<th>Europe 2025F</th>
<th>CAGR</th>
<th>Japan 2020F</th>
<th>Japan 2025F</th>
<th>CAGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultraminiature Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Board-to-Board Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Microminiature Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Subminiature Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Miniature Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Medium Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>DIN Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Large Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Precision Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Blind-mate Coax</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td>Accessories, Adaptors, &amp; Customs</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
</tr>
<tr>
<td><strong>Total RF Coax Connectors</strong></td>
<td>$XX.X</td>
<td>$XX.X</td>
<td>Y.Y%</td>
<td>$174.5</td>
<td>$369.9</td>
<td>16.2%</td>
</tr>
</tbody>
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World RF Coax Connector Market 2020

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- Dynawave, Inc.
- EZ Form Cable Corp
- Emerson Network Power Connectivity Solutions
- Frontlynk
- GigaLane Co., Ltd
- Hirose Electric Co., Ltd
- HUBER+SUHNER AG
- IMS Connector Systems GmbH
- I-PEX Co., Ltd
- ITT Interconnect Solutions (ITT Cannon)
- JAE – Japan Aviation Electronics Industry, Ltd
- MegaPhase, LLC
- Micro-Coax
- Micro-Mode Products Inc.
- Molex Inc.
- Orient Microwave Corp.
- Pasternack Enterprises
- Precision Connector Inc. (PCI)
- Radiall S.A.
- RF Industries Ltd
- Rosenberger Hochfrequenztechnik GmbH & Co. KG
- Samtec, Inc.

Chapter 11 – Manufacturers’ Review (continued)

- San-tron, Inc.
- SGMC Microwave
- Signal Microwave, LLC
- Smiths Interconnect
- Southwest Microwave, Inc.
- Spectrum Elektrotechnik GmbH
- Spinner GmbH
- TE Connectivity
- Telegartner Group
- The Phoenix Company of Chicago
- W.L. Gore & Associates, Inc.
- Winchester Electronic Corp.
- Withwave Company, Ltd

Chapter 12 – User Considerations

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- Report M-4100-20 Non-Automotive Transportation Market for Connectors (February 2020)
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