

# COAXHD70

Featuring High Frequency,  
Exceptional Durability and  
Reliable Multi-Port Capabilities



*The COAXHD70 family offers a high-density multi-port solution capable of supporting signal transmission up to 70 GHz to further enhance Radiall's portfolio for the Test & Measurement market.*

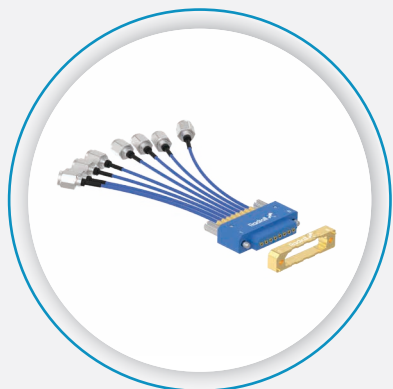
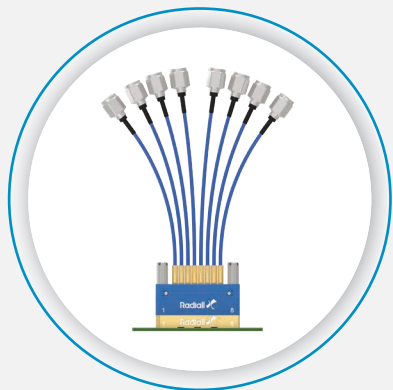
- Frequency Range: DC to 70 GHz, supporting data rates up to 224 Gbps
- Surface-Mount Technology (SMT) receptacle for PCB mounting
- 8 coaxial contacts with a 3.0 mm pitch
- Solderless, spring-loaded inner and outer coaxial contacts
- Secure plug-to-receptacle connection with two jackscrew locks
- Retention clip keeps each contact securely in place inside the housing, providing stability and reliability
- Allows for individual line replacement
- Available in standard lengths of 152 mm and 305 mm, with custom lengths available
- Tool-free installation for ease of use

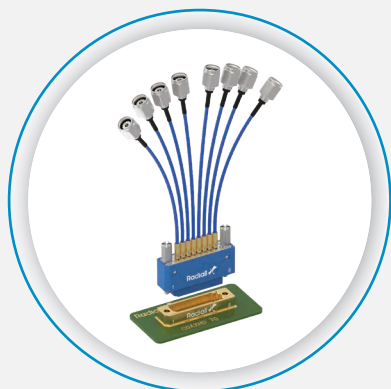
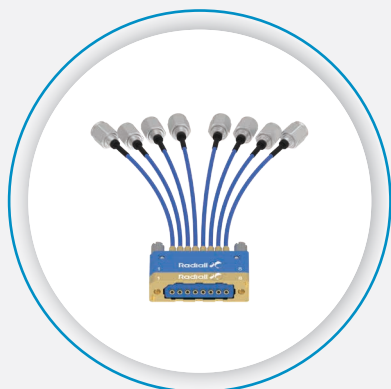
## FEATURES & BENEFITS

- Data Rate up to 224 Gbps PAM4
- High density
- Repeatability
- RF performance stability through 1,000 mating cycles
- Robust and reliable locking mechanism

## APPLICATIONS

- High speed chipset verification
- High speed device verification
- Optical transceiver verification





**Data Rate up to 224 Gbps PAM4:** Up to 70 GHz suitable for high-speed measurements at data rates of up to 224 Gbps PAM4.

**High Density:** The 3 mm pitch center-to-center high-density ports support the integration of multiple CoaxHD modules on a single PCB, maximizing space and optimizing performance close to the Device Under Test (DUT).

**Repeatability:** RF performance stability through 1,000 mating cycles, reducing calibration needs and ensuring accurate test results.

**Robust and Reliable Locking Mechanism:** The double-locking system features a jackscrew mechanism and retention clip. Jackscrews ensure a secure plug-to-receptacle connection, while the retention clip holds eight contacts in place within the housing, it keeps the contacts secure and provides a secure and reliable connection throughout the entire test cycle.

**Tool-Free Installation:** Quick and straightforward installation process that requires no tools.

**Field Repairability:** Tool-less replacement of faulty lines.