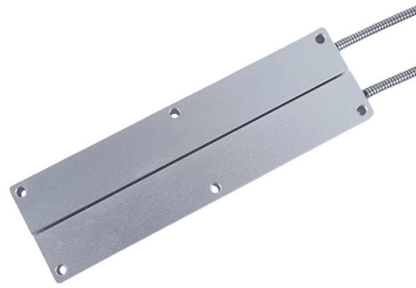


Quantum Communication Tail Cable Connector Intelligent RoHS Compliance



Summary of Content

Quantum communication tail cable connectors are specialized high-speed, cryogenic-compatible connectors designed for quantum systems, with RoHS compliance ensured through supplier-provided compliance declarations.

Technical Overview

Quantum communication tail cable connectors are engineered for high-frequency, low-noise signal transmission in quantum computing and communication systems. They often feature:

- Cryogenic RF compatibility for operation at extremely low temperatures, essential for quantum devices .
- Non-magnetic materials to prevent interference with sensitive quantum states .
- High-speed performance with options supporting up to 110 GHz and high-density assemblies .
- Flexible cable assemblies and ultra-small form factors for integration into compact quantum systems .
- Intelligent features such as system-level optimization, launch simulation, and signal integrity testing to ensure reliable performance in complex quantum networks .

RoHS and Environmental Compliance



Article Content

Amphenol Environmental Compliance | RoHS, REACH, Responsible

Amphenol CS is committed to meet environmental compliance initiatives from government bodies as well as the

GCT RoHS REACH Declaration

Global Connector Technology certify that all standard parts, as stated above, comply with The Safe Drinking Water and Toxic

Quantum Computing Connectors and Product Applications

Samtec offers a variety of high-speed connectors suitable for quantum computing product applications.

Product Compliance

View compliance status of products with respect to RoHS, REACH and download part specific Statements of Compliance.

Quantum

Our Quantum range, born from years of research and collaboration, delivers cutting-edge solutions that perform at cryogenic

Scalable Quantum Computer Multicoax Cabling

All metal, fully coaxial solderless compliant interface between connectors allows for noise floor crosstalk. Assemblies

Quantum Environmental Requirements Spec.

Compliance to this specification is communicated to Quantum via Compliance Declarations provided by suppliers. Any substance

Quantum Computing Interconnect Solutions

Ardent's existing patented contact technology allows engineers to drastically decrease real estate required by individual connectors

Home | Quantum Coax

Our coaxial cable assemblies are engineered to meet the extraordinary needs of the low temperature vacuum environments of

Contact Us

For more information, pricing, or custom solutions, please contact us:

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