

Rosenberger

Aerospace Products

DIN EN 9100, ESCC, and MIL-PRF 39012
Qualified Components



Aeronautic Applications



x-ray room



EMC laboratory

Rosenberger designs and manufactures connectors and cable assemblies for aeronautic applications in accordance with DIN EN 9100 – renowned customers in the aircraft industries trust in our high-quality products.



We support innovation and development at any stage of the project at any Technology Readiness Level (TRL), complete traceability of our aerospace components is available.

For military applications, qualified products, e.g. Micro-RF, are also available.



Spaceflight Applications

Rosenberger qualified by ESA

The European Space Agency (ESA) developed the ESCC (European Space Components Coordination) qualification process to provide a standard for electrical components which are applied onboard of spacecraft. Rosenberger is an ESCC qualified manufacturer and fulfills the high requirements on manufacturing, assembly, quality assurance, and testing which is mandatory to become a reliable supplier for space industry.

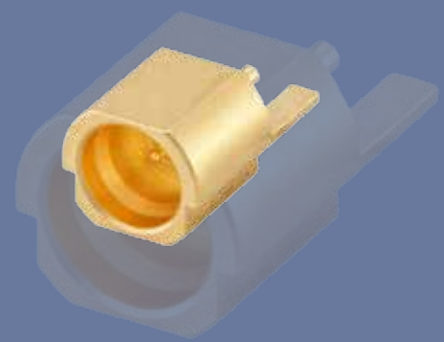
For spaceflight applications Rosenberger offers a wide range of RF connectivity products. The SMA, SMA 2.92, TNC and SMP connector families have been successfully qualified by ESA for space projects and are already successfully applied in different space missions like Galileo, Iridium, or Globalstar. Cable assemblies and customized product solutions are also part of the wide Rosenberger spaceflight products portfolio.



Rosenberger spaceflight connectors are applied in renowned projects, e.g. SMP connectors in Iridium satellites or TNC connectors in Galileo



View into our class 8 clean room where aerospace components are assembled



Product Portfolio

The comprehensive product range covers:

- ▶ Cable assemblies
- ▶ Board-to-board connections
- ▶ Board-to-cable connections
- ▶ SMD types
- ▶ PCB connectors

Aeronautic Products

Any product available at Rosenberger can be manufactured and qualified for aeronautic application. Recent projects involved the Mini-Coax and Micro-RF connectors.

Spaceflight Products

Connector Series	Remarks	
SMP	for transmitting RF signals and data up to 40 GHz in accordance with ESCC 3402 - 024 to 026	
TNC	transmitting high power RF signals up to 18 GHz in accordance with ESCC 3402 - 008 to 010	
SMA	for applications up to 18 GHz in accordance with ESCC 3402 - 001 to 003	
SMA 2.92	for applications up to 40 GHz in accordance with ESCC 3402 - 021 to 023	
Cable Assemblies	Semi-rigid cables, flexible cables	

All ESCC connectors are also available according to MIL-PRF 39012 standard.

Other connector types and series as well as customized products are available on request.

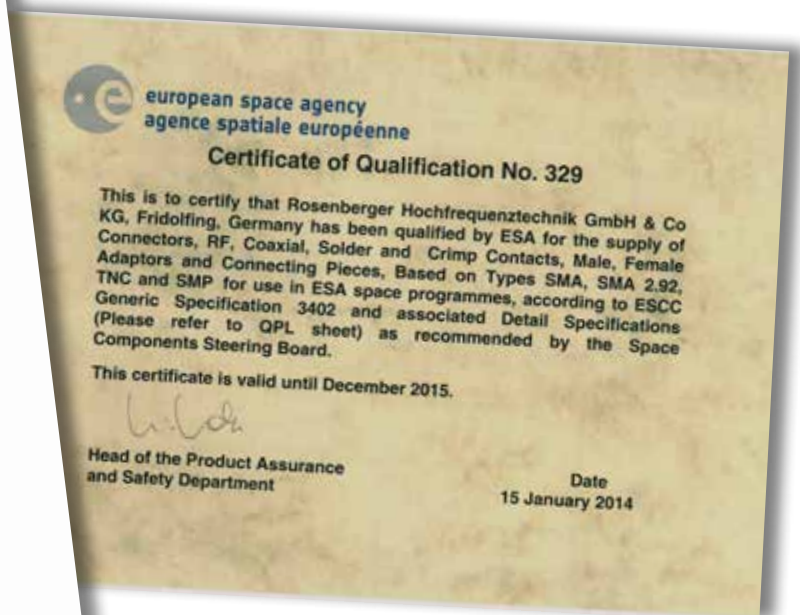


Company Profile

For over half a century, Rosenberger has been a world-wide leading supplier of impedance-controlled and optical connectivity technology. Rosenberger plays a key-role in many high-tech industries – telecommunications, site solutions for mobile networks, test & measurement, automotive electronics, medical and industrial technology, data centers or aerospace industry.

Rosenberger at a Glance:

- ▶ Complete in-house production – all under one roof
- ▶ R&D – scientific based high-frequency know-how, in-house RF- and EMC laboratories
- ▶ Technology and innovation leadership
- ▶ State-of-the art manufacturing technologies – mechanical design – In-house electro-plating shop
- ▶ High flexibility – continuous quality controls
- ▶ Family-owned company with a flat organization and short decision-making processes



The ESA ESCC certificate for the SMA, SMA 2.92, TNC, and SMP connectors

Rosenberger ist certified by DIN EN 9100



Rosenberger

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