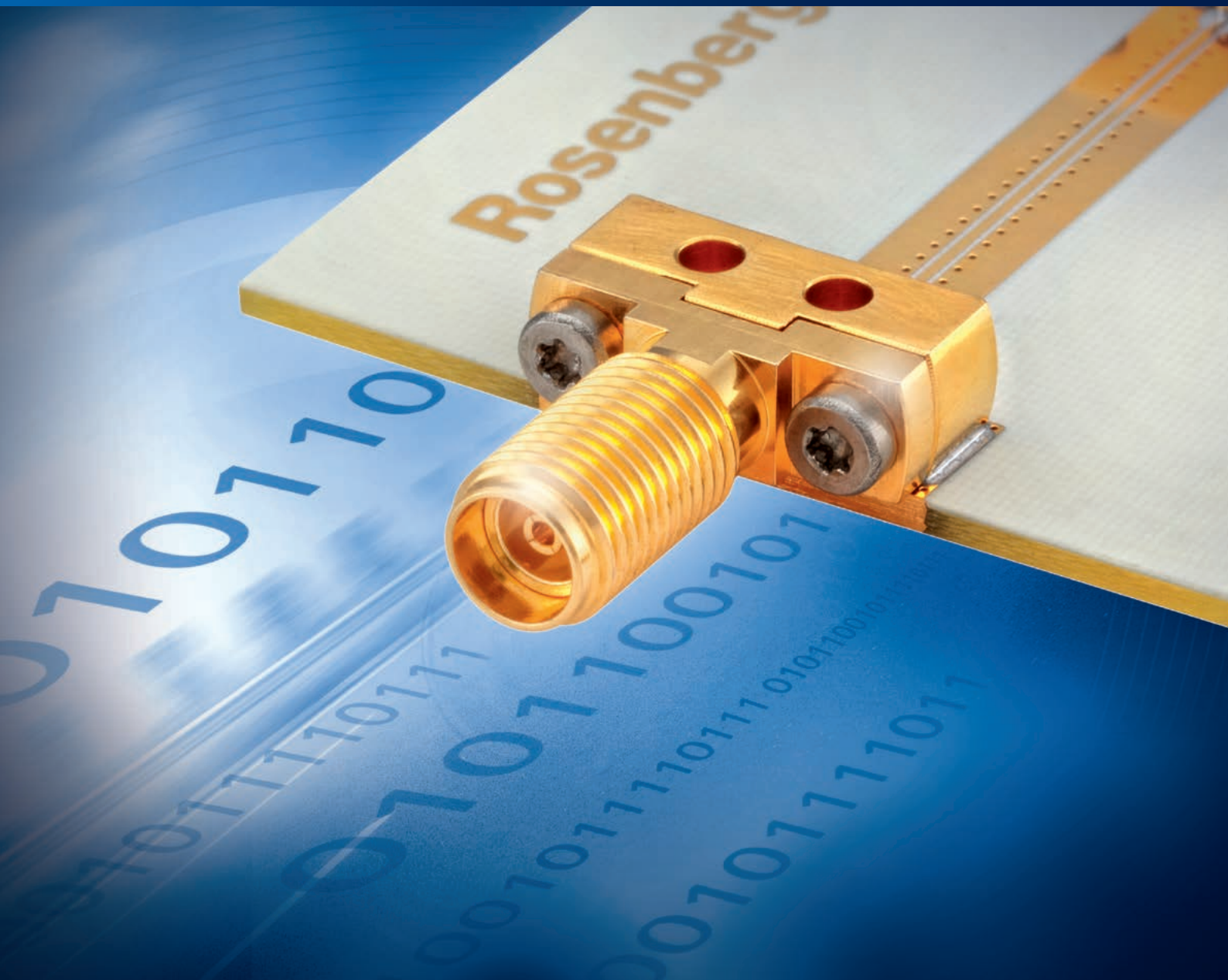
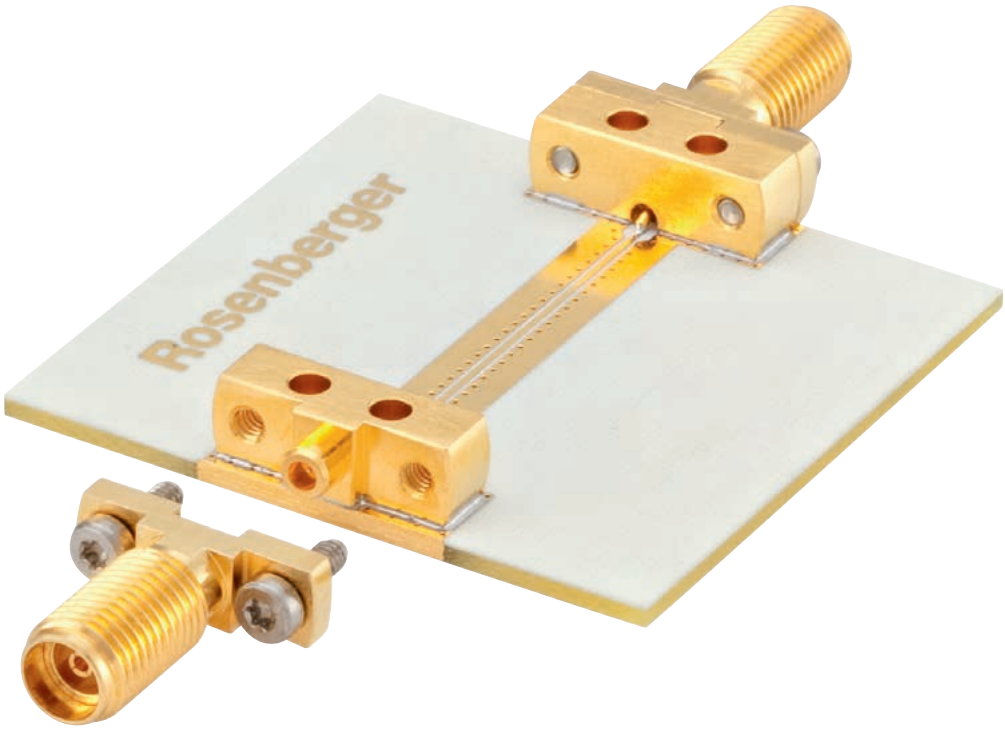
Rosenberger

One PCB Contact for Various Female Connector Heads

Modular Connector System

SEMICON & TEST





Modular Connector System

In cooperation with key customers, Rosenberger has developed a modular connector system which improves existing solutions and fulfills the increasing requirements of test and measurement industries: to cover the whole frequency range from DC to 50 GHz only one part of PCB contact has to be processed.

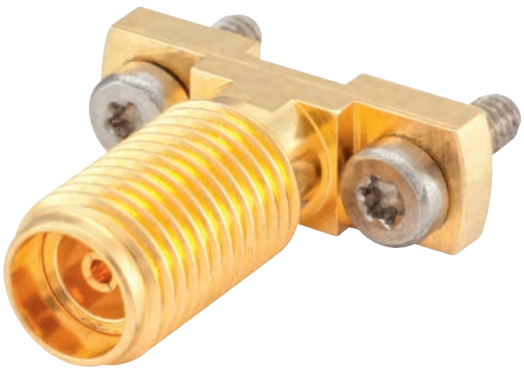
The opportunity to choose between the best known IEC interfaces enables a wide range of applications.

Features

- One PCB contact for various female connector heads
- Connector heads can be easily changed
- Different connector heads for different frequency ranges
- Casted center conductor
- Robust against multiple solder cycles
- Low profile
- Both sides of the PCB can be processed (apply solder paste)
- Service-friendly
- Locking screws with Tuflok

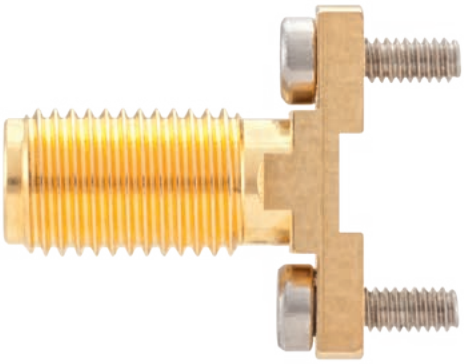
Applications

- High volume industrial production of high-end PCB up to 50 GHz
- Applications with different interfaces on one board
- Applications with repair-friendly products
- Applications where maintenance is important



PCB Contact

Female Connector Heads



99S2A5-40ML5 – PCB contact for all female connector head types

Products

The Rosenberger modular connector system consists of one PCB contact which can be connected with various female connector heads – SMA, RPC-3.50, RPC-2.92, RPC-2.40.

Technical Data

	SMA	**RPC-3.50**	**RPC-2.92**	**RPC-2.40**
Rosenberger No. female connector heads	32K701-800L3	03K701-800L3	02K702-800L3	09K701-800L3
Rosenberger No. PCB contact	99S2A5-40ML5			
Interface female connector heads	IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310	IEC 60169-23	IEC 61169-35	IEC 61169-40
Frequency	DC to 18 GHz	DC to 26.5 GHz	DC to 40 GHz	DC to 50 GHz
Return loss mated PCB contacts and female connector heads	≥ 25 dB @ DC to 18 GHz	≥ 20 dB @ DC to 26.5 GHz	≥ 15 dB @ DC to 40 GHz	≥ 13 dB @ DC to 50 GHz
Mating cycles PCB contacts	≥ 300	> 300	≥ 300	≥ 300
Mating cycles female connector heads	≥ 500	> 500	≥ 500	≥ 500

Website

For more information refer to our website:
www.rosenberger.com/modcon

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Certified by IATF 16949 · DIN EN 9100 · ISO 9001 · ISO 14001 · ISO 45001 · ISO 50001

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