FEINMETALL
Contact Technologies



TEST CONNECTORS

USB-C · USB-A 3.1 · RJ45 · HDMI-A · DisplayPort · 3.5mm

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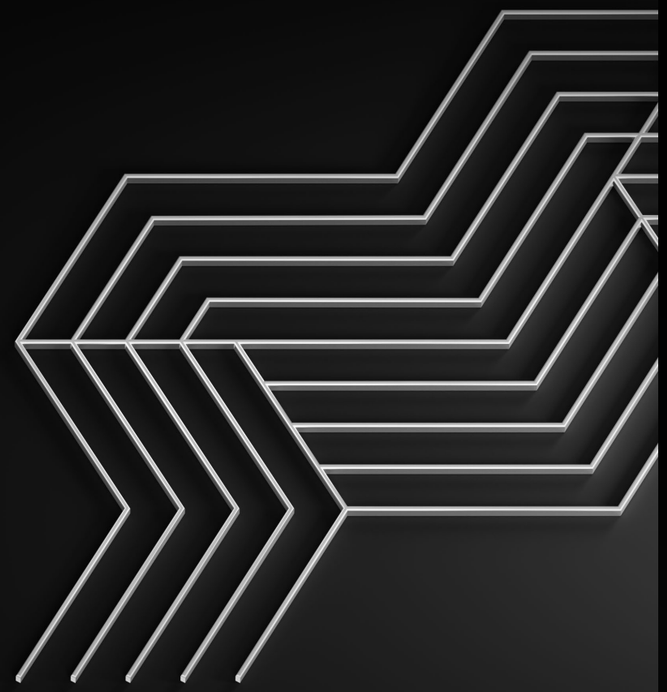
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CHECK IT
OUT NOW.

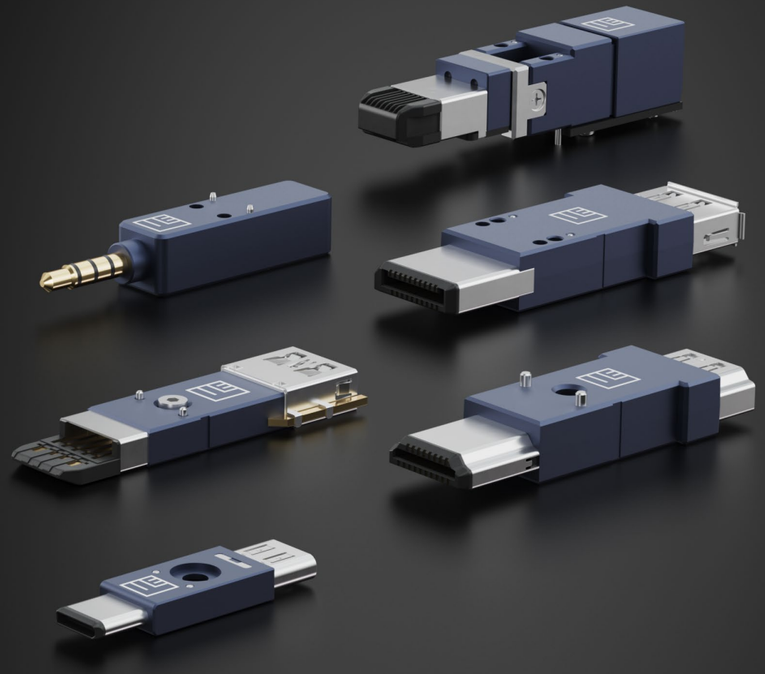


MODULAR. INNOVATIVE. COMPETITIVE.

Ready for a new standard of contacting digital connectors?

Our new Test Connectors ensure reliable testing of electronic devices, cables and interfaces by verifying secure connections and accurate signal transmission. They support efficient, precise testing of electrical contacts, signal quality, and functionality, allowing the test system to generate clear pass/fail results. Ideal for quality control, product development, repair and automated test stations, our solutions cover a wide range of interfaces, including USB-C, USB-A 3.1, RJ45, HDMI-A, DisplayPort and 3.5mm audio jacks connectors.

USB-C · USB-A 3.1 · RJ45 · HDMI-A · DisplayPort · 3.5mm



TECHNICAL FACTS

Highest data rate · Reliable contact · Flexibility

6

Test Connectors
one modular portfolio

>20

Highest datarate
across the connector rate

>15K

Mating cycles
minimum service life

0.7 mm

Floating range
compensation of misalignment in X/Y-axis

RAIL SYSTEM

Tool-free replacement · Crash protection · Misalignment compensation

The Test Connectors are compatible with both mounting systems. Both mounting systems are shown here with the USB-C test connector.

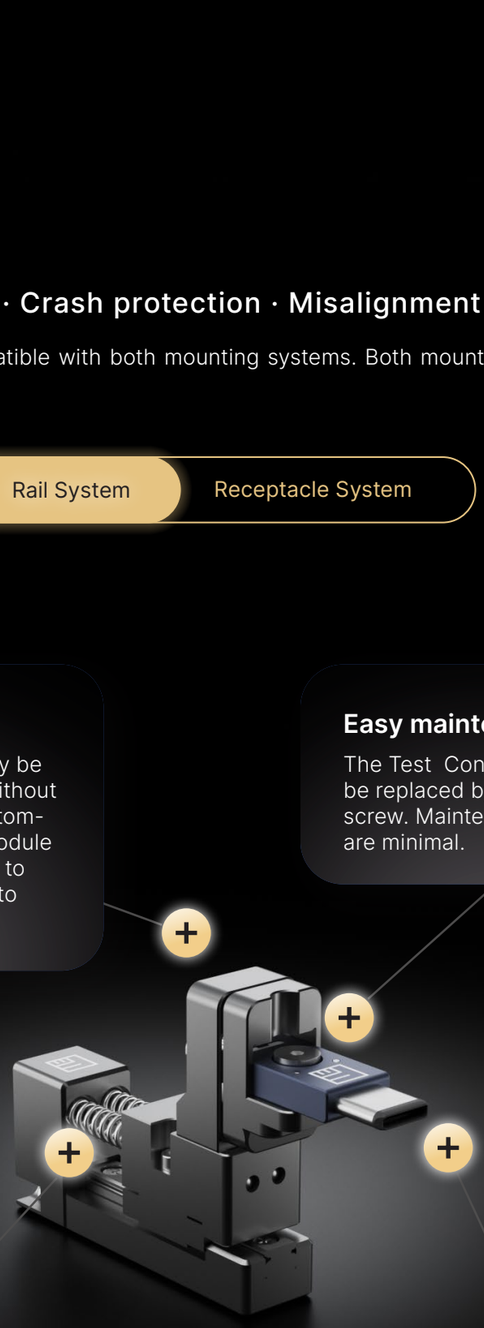
Rail System | Receptacle System

Test Connectors

The floating module can simply be pushed into the Rail System without requiring additional tools. Customers can replace the floating module within seconds, allowing them to adapt the test system quickly to different DUTs.

Easy maintenance

The Test Connector can easily be replaced by loosening a single screw. Maintenance requirements are minimal.



Crash protection

Due to the spring-loaded Rail System, damage to the DUT and the test system is prevented in the event of a collision between the DUT and the Test Connector, for example due to excessive tolerances.

Misalignment compensation

The floating module on which the Test Connector is mounted compensates for misalignments of up to 0.7 mm.

RECEPTACLE SYSTEM

Easy replacement · Flexible flange mounting · Misalignment compensation

Rail System | Receptacle System

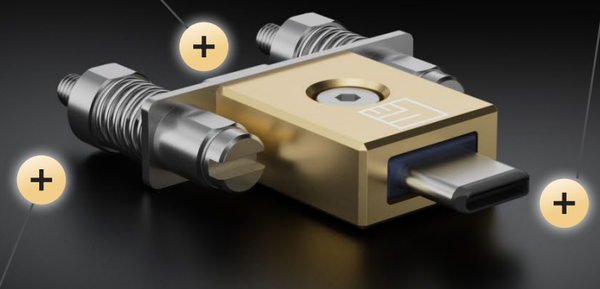
Available in early 2027

Modular flange mounting

For each Receptacle System, we offer both vertical and horizontal flanges that can be screwed onto the back of the receptacle. This provides our customers with maximum flexibility in test fixture design and positioning.

Easy maintenance

The Test Connector can be replaced within the receptacle by loosening a single screw. No special tool is required. This allows for quick and easy maintenance while minimizing costs. The complete Receptacle System can remain installed in the test system during Test Connector replacement.



Misalignment compensation

Thanks to the spring-loaded screws, the Test Connector can compensate for misalignments of up to 0.7 mm.

OUR RANGE

Which port are you contacting?

USB-C

20 Gbps

Supported data rate



Version	Number Code	Item Number
USB-C female Test Connector	TC78 USB-C f 01 20GBps USB-C f S	1188716
USB-C female horizontal Rail System	TC78 USB-C f H01 20GBps USB-C f S	1188737
USB-C female vertical Rail System	TC78 USB-C f V01 20GBps USB-C f S	1188734
USB-C female Receptacle System	TC78 USB-C f 01 20GBps USB-C f F	1191164 (Available 2027)

USB-A 3.1

10 Gbps

Supported data rate

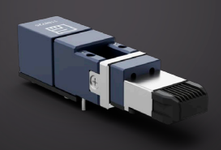


Version	Number Code	Item Number
USB-A 3.1 female Test Connector	TC78 USB A 3.1 f 01 10GBps USB A 3.1 f S	1188597
USB-A 3.1 female horizontal Rail System	TC78 USB A 3.1 f H01 10GBps USB A 3.1 f	1188764
2 × USB-A 3.1 female horizontal Rail System	TC78 USB A 3.1 f H02 10GBps USB A 3.1 f	1188765
USB-A 3.1 female Receptacle System	TC78 USB A 3.1 f 01 10GBps USB A 3.1 f F	1191159 (Available 2027)

RJ45

10 Gbps

Supported data rate



Version	Number Code	Item Number
RJ45 female Test Connector	TC78 RJ45 f 01 10GBps RJ45 f S	1188725
RJ45 female horizontal Rail System	TC78 RJ45 f H01 10GBps RJ45 f S	1188766
RJ45 female Receptacle System	TC78 RJ45 f 01 10GBps RJ45 f F	1191158 (Available 2027)

HDMI-A

14 Gbps

Supported data rate



Version	Number Code	Item Number
HDMI-A female Test Connector	TC78 HDMI A f 01 14GBps HDMI A f S	1188730
HDMI-A female horizontal Rail System	TC78 HDMI A f H01 14GBps HDMI A f S	1188767
HDMI-A female Receptacle System	TC78 HDMI A f 01 14GBps HDMI A f FF	1191267 (Available 2027)

DisplayPort

14 Gbps

Supported data rate



Version	Number Code	Item Number
DisplayPort female Test Connector	TC78 DP f f 01 14GBps DP f S	1188732
DisplayPort female horizontal Rail System	TC78 DP f H01 14GBps DP f S	1188768

3.5mm

0 Gbps

Supported data rate



Version	Number Code	Item Number
3.5mm female Test Connector	TC78 3.5mm f 01 0GBps 3.5mm f S	1188733
3.5mm female horizontal Rail System	TC78 3.5mm f H01 0GBps 3.5mm f S	1188769

CHOOSE YOUR IDEAL SOLUTION

Small parts make the difference

We offer everything from individual test connectors to complete test setups. All spare parts for our contacting solutions are available individually. Customers can order exactly the components they need, ensuring reliable operation for years while minimizing maintenance effort and costs.

Select your DUT interface online – we show you the matching options.

- Test Connectors
- Rail System
- Receptacle System
- Spare Parts
- Test Connector Cables



WELCOME TO OUR DIGITAL WORLD

Find us online & stay connected

Step into FEINMETALL's digital world and explore our products, technologies and industry expertise across our website, social media channels and newsletter. Stay connected with the latest innovations, insights and updates from FEINMETALL – all in one digital space.

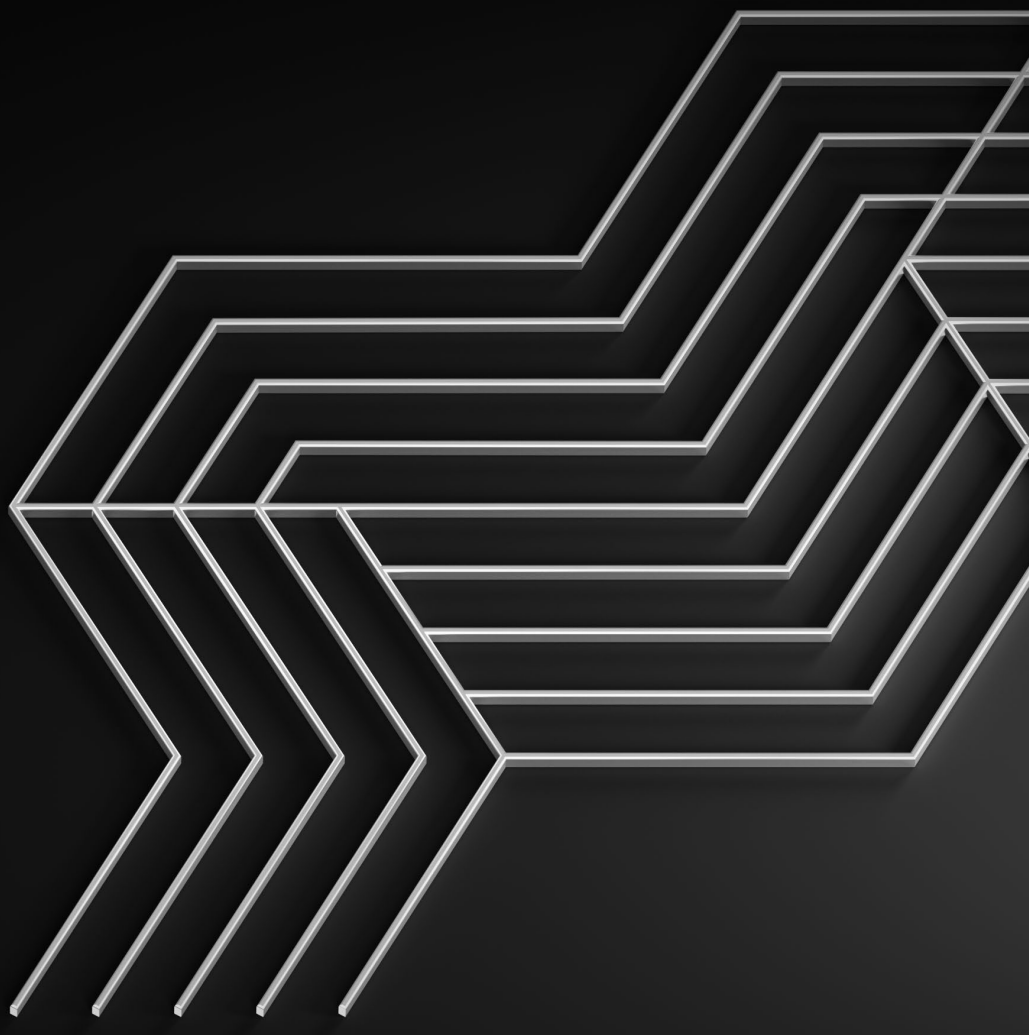
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