

PRODUCT PORTFOLIO

CUSTOM & STANDARD



BENEFITS

CUSTOM CONNECTORS

THE BENEFITS OF CUSTOM CONNECTORS

Custom connectors offer a number of advantages. A tailor-made design ensures a precise fit for your product – delivering many structural benefits when compared with standard connectors.

Moreover, not only are custom connectors attractively priced, the development cycle for our products is very short. And we go above and beyond when it comes to design – often creating new and innovative solutions that exceed our customers' initial expectations. Our design centres in China and Europe look forward to helping you develop the perfect connectors for your products.

BY PARTNERING WITH US, CUSTOMERS BENEFIT FROM:

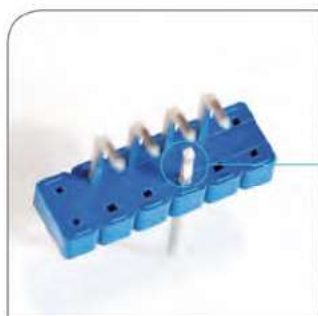
- TS 16949 & ISO 14001
- PPAP initial sample procedure
- 100% automatic assembly
- In-house manufacture
- Connectors approved for automotive & medical technology
- Local support for customer design requirements



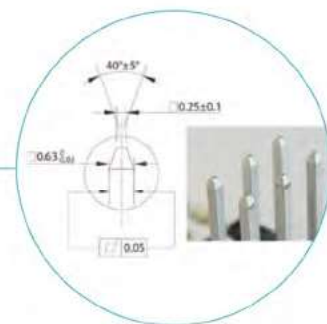
Pitch $\geq 0.25\text{mm}$



Complex designs



Automotive-grade precision



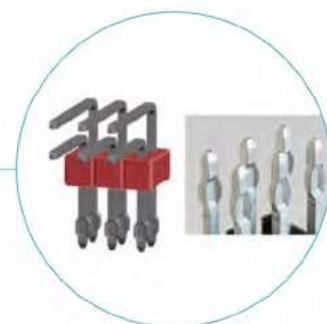
Ultra-precision moulds



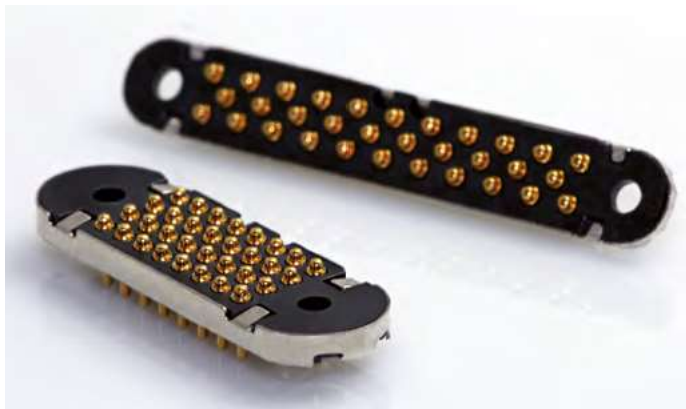
Silver & palladium as an alternative to gold



Automotive press-fit



MINI SPRING PINS NEXT-GEN



SPACE SAVING

Super flat height through no mating connector
Minuscule pitches mean small size and high density

MODULARITY

Allows product modules to be easily replaced

A new system for applications where limited space is an issue. Mini Spring Pins are an ideal choice if a flat design is required, a mating connector should be avoided or if modularity of the end-product is required. The connector is pushed directly onto contact pads on the PC board.



TECHNICAL DETAILS

Current rating of up to 10A

Minimum pin to pin distance of 0.4mm
(THT) / 0.3mm (SMT)

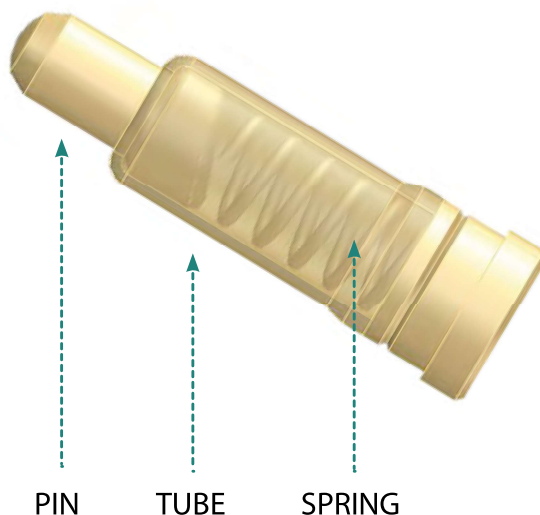
Minimum durability of 20,000 cycles

High vibration resistance

Suitable for the data transfer rate of
mobile phone modules (display, audiojack,
charging and more)

STRUCTURE AND OPERATING PRINCIPLE

A Spring Pin Connector consists of a tube containing a spring and a pin. The spring pushes the pin against the contact pad on a PCB and creates a reliable and vibration resistant electrical contact.



SMALL PITCHES FOR LIMITED SPACES



This picture shows the soldering side (SMT/THT Pins)

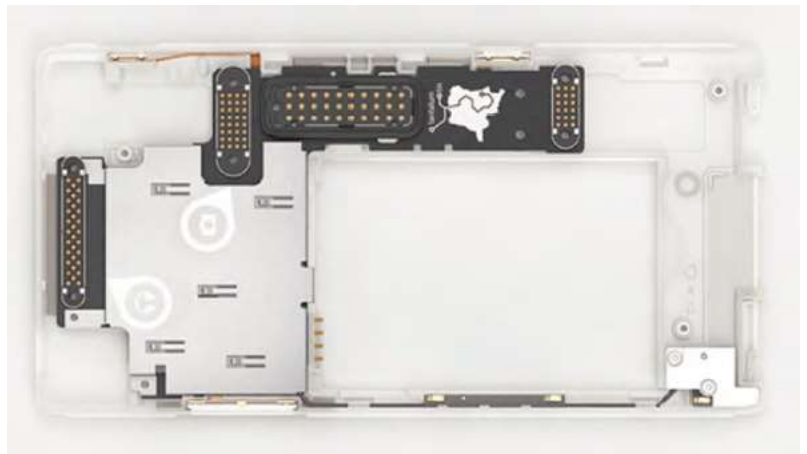
CUSTOM DESIGN

Optional custom-designed pins with spring pressures and working heights to your specification.

Pick & place cap for fully automated assembly available.

Optional custom-design including different shapes of both pin and connector housing, shielding, packaging or compatible female side connection.

Mobile phones contain many different kinds of custom spring pin connectors.



STANDARD DESIGN

Customers are completely free to choose a design depending on the project-specific requirements.

In addition to any kind of chaotic structure, customers may also use spring pin terminals as a new standard connector device as linear one row, two row or multiple row male headers.



The minimum pin to pin distance is:
0.4mm (THT) / 0.3mm (SMT).

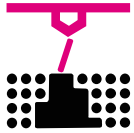
CUSTOMIZED PARTS & TOOLING



Research, design and manufacturing of economical customer solutions in plastic and metal. Prototyping, tool construction and sampling according to all established national and international quality standards, up to serial production. Your customized parts will be realized promptly and economically in cooperation with ISO certified manufacturing plants worldwide.



PROTOTYPING 3D PRINT & SMALL SERIES



SLS – selective laser sintering

High quality materials, good surface, very resistant to bending and thus productively usable



SHS – selective heat sintering

Good surface, resistant synthetic and thus productively usable



CJP - full colour powder printing

Photorealistic results, high detail accuracy, very cost-efficient production



FDM - fused deposition modelling

High selection of materials and colours, robust synthetics, fast and flexible production



PolyJet

Speed and precision as well as complex shapes, smooth and detailed surface



SLA – stereolithography

Very fine and precise print quality, monochromatic material (resin)

3D Print ...

- with UL certified synthetics
- highest tolerance accuracy
- small series for industry
- prototyping in series standard
- no tooling costs
- short delivery times



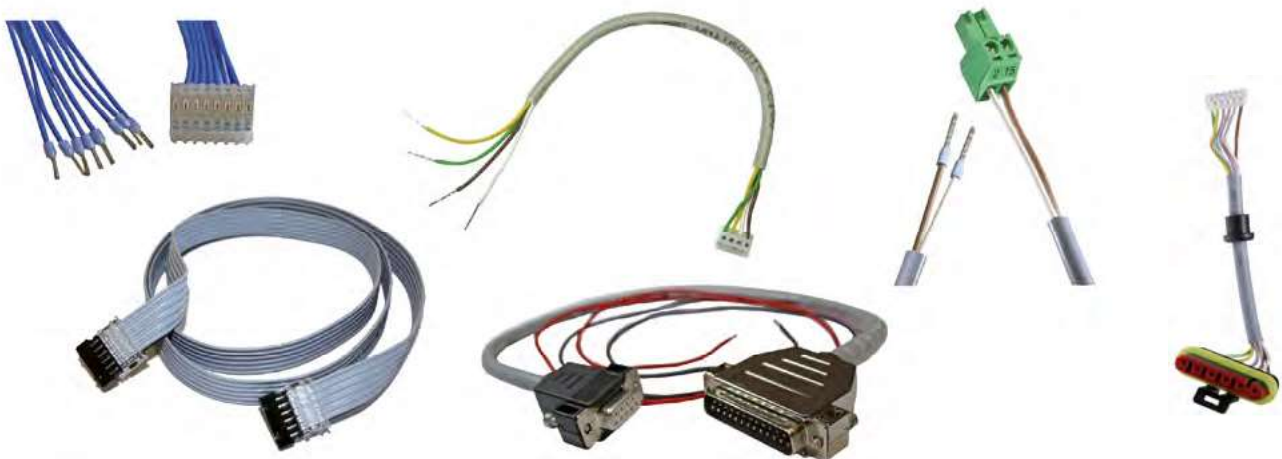
MODULAR PLUGS / JACKS, DC JACKS



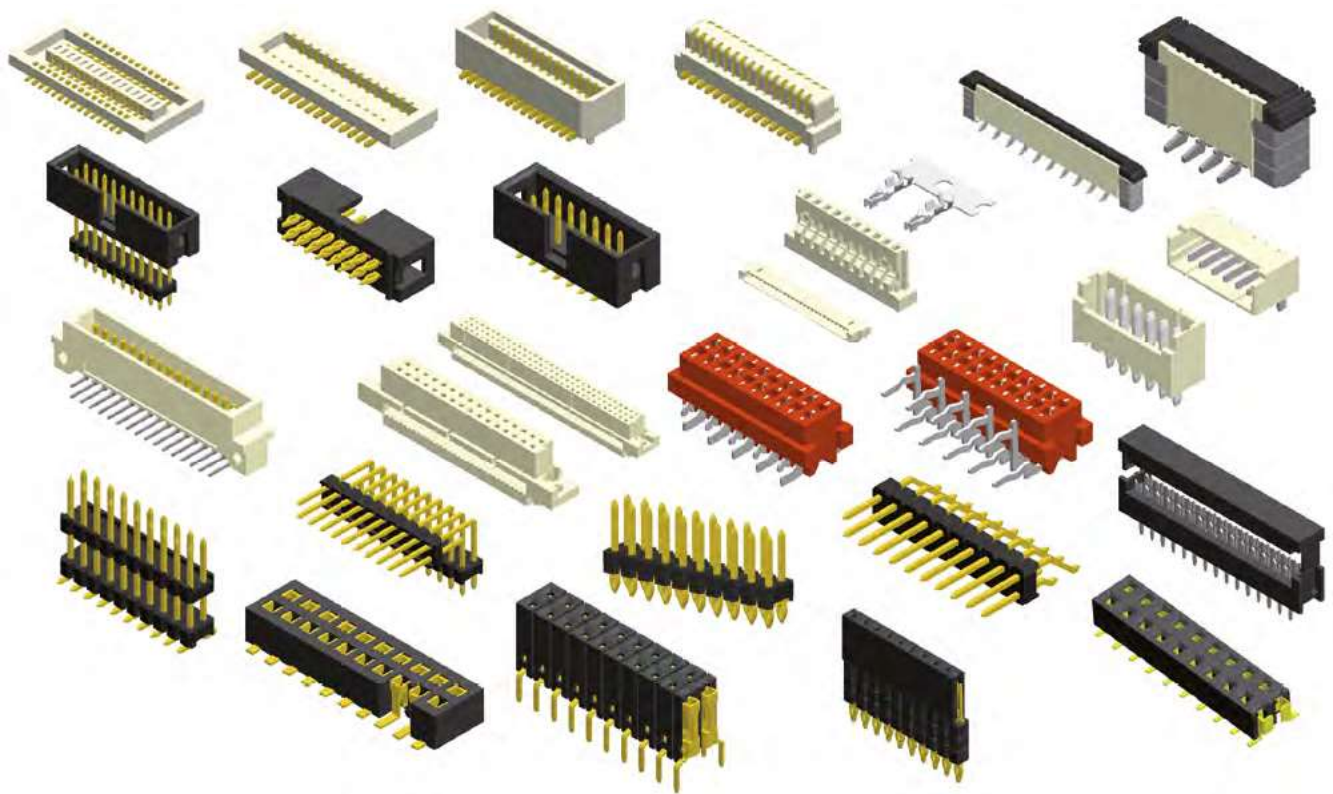
FIBRE OPTICS



CABLE ASSEMBLIES



BOARD TO BOARD, PCB CONNECTORS



D-SUB, DVI, SIM CARD, USB



STAMPING PARTS & CONTACTS



SWITCHES, DIPS & LEDS



ABOUT US

Since 1982 CS Connectors GmbH (formerly IS Components GmbH) supplies electromechanical components reliably and on highest quality level worldwide. For years nameable customers out of the automotive, medical and industrial sector trust in our company.

CS Connectors GmbH supplies all components for PCB's, as well as the PCB itself.

- > Our selected production lines are all certified according ISO.
- > Our partners in Europe and Asia are producing both standard products and customer-specific special solutions.
- > Our customer do profit by our years of experience and our competence on components.

CS Connectors GmbH is present on this variable and dynamic market for more than 30 years. Optimally trained employees, highest flexibility, good service and professional support enables us to supply high-quality products at competitive prices, quickly and reliably.

Please visit our product configurator and create your own datasheet:

www.cs-connectors.de

CONTACT US

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