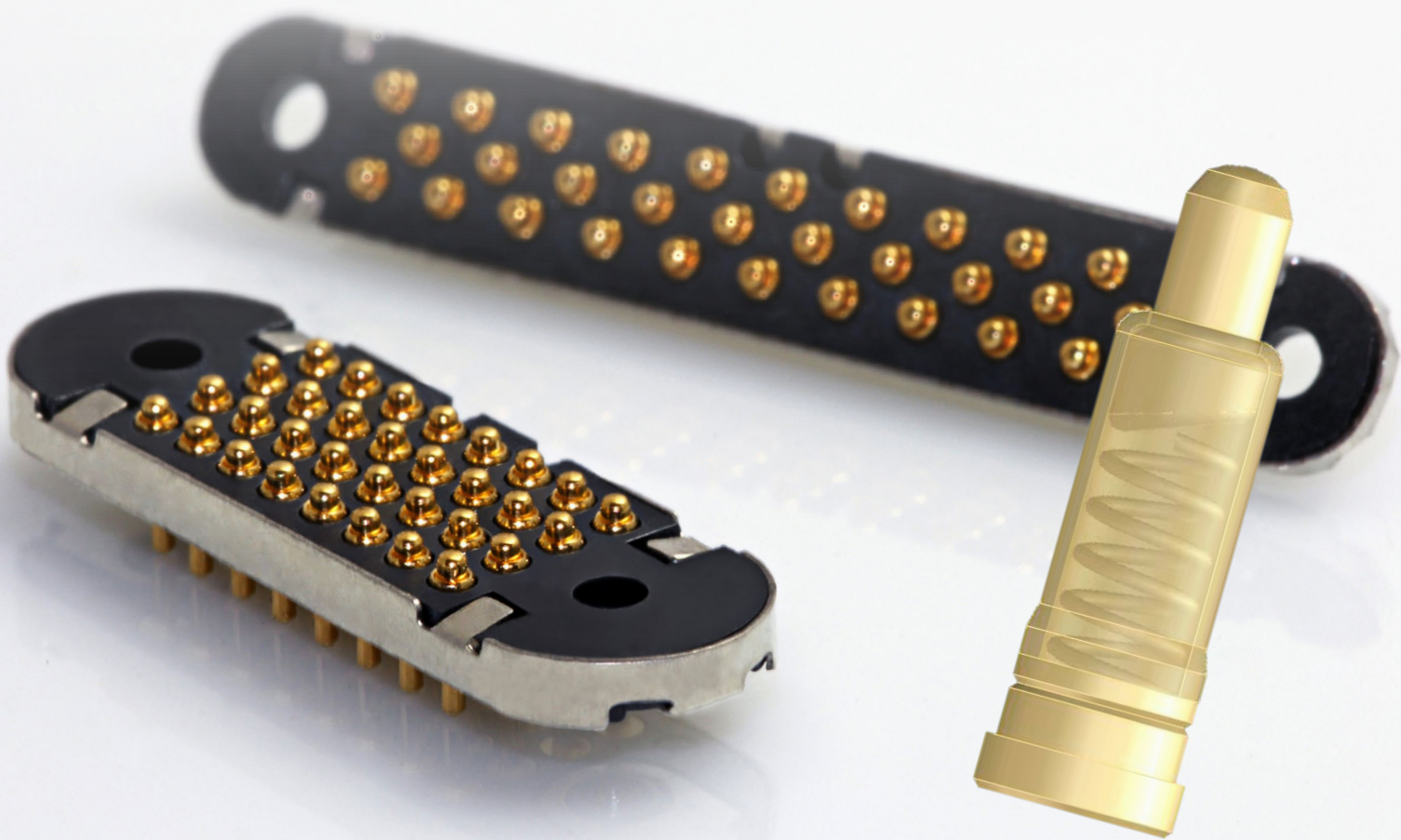


NEXT-GEN

# MINI SPRING PINS



## 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

# NEXT-GEN MINI SPRING PINS

## AT A GLANCE

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.

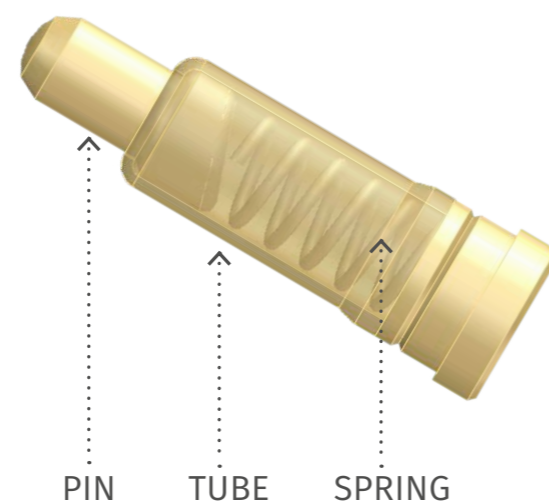


### TECHNICAL DETAILS

- 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, audio jack, charging and more)

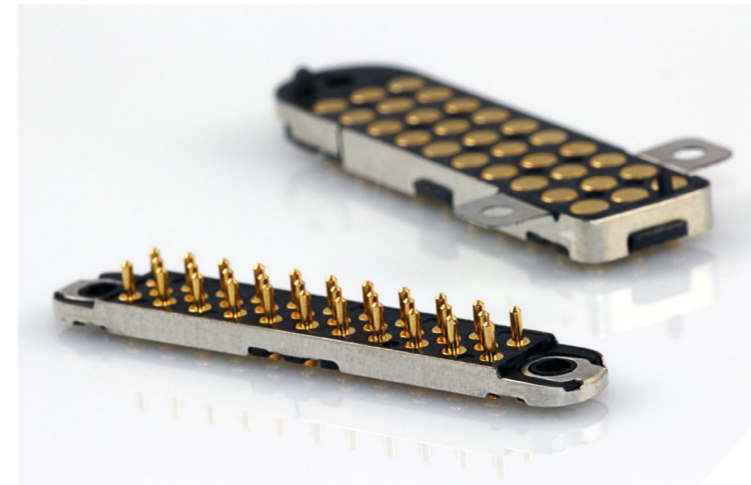
### STRUCTURE AND OPERATING PRINCIPLE

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.



Please contact us for further product information: [service@gsn.cn.com](mailto:service@gsn.cn.com)

## MINUSCULE PITCHES FOR LIMITED SPACES



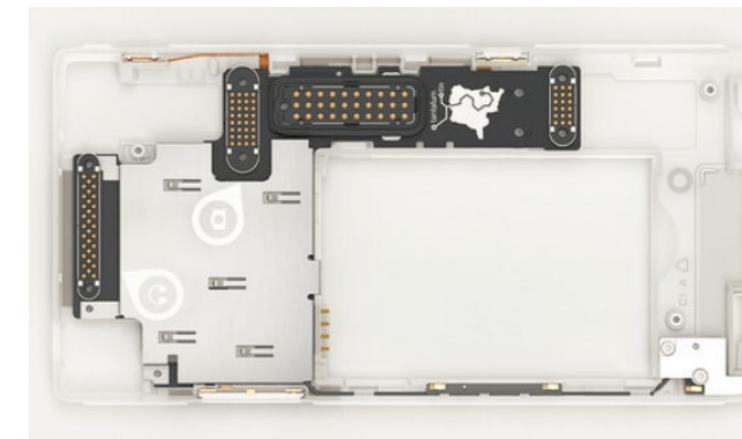
This picture shows the soldering side (SMT/THT Pins)

### CUSTOM DESIGN

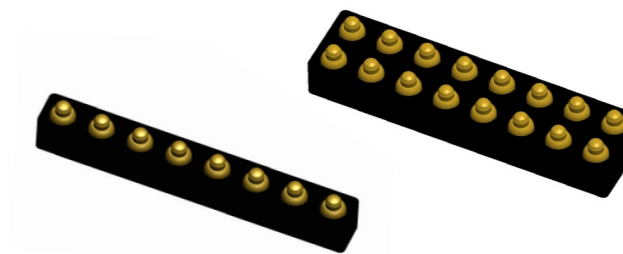
Optional custom-designed pins with spring pressures and working heights to your specification.

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.



The „Fairphone 2“ mobile phone contains five different kinds of custom spring pin connectors.



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

### 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.

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