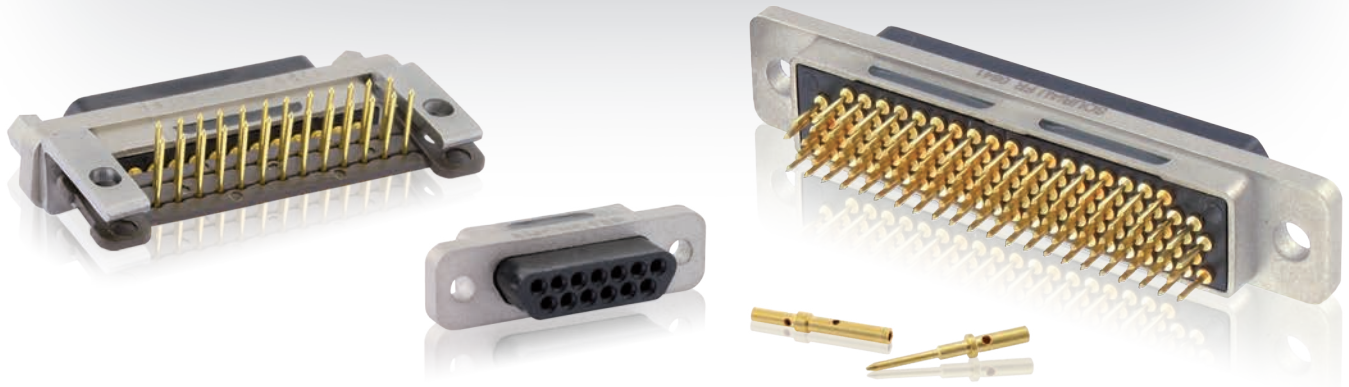


# microComp® Series

## Composite Miniature High Density



## HD and Miniature Rectangular Connector

*microComp*® layouts 7, 13, 25, 51 and 104 ways are available with crimp removable contacts (AWG 24 to 28) and PC tails (straight or 90°).

**Space saver** ■ No more extra PC board needed.  
Save more than 55% in volume in your electronic box integration.

**High density** ■ From 7 ways in 1.5 cm<sup>2</sup>.  
Up to 104 ways in 8 cm<sup>2</sup>.

**High performances** ■ High vibration and voltage withstanding.  
500 mating cycles.  
Operating temperature: -55°C to +175°C.

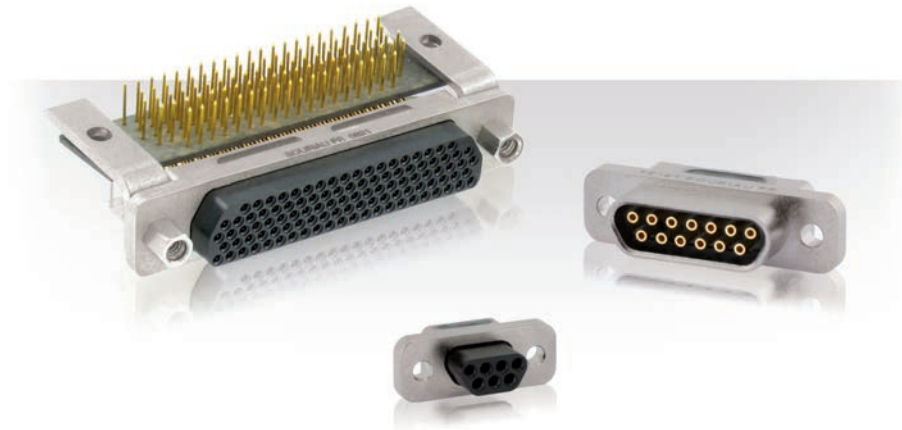
**Weight saving** ■ Up to 58% lighter than micro-D.  
Up to 66% lighter than HD D-Sub.

**User friendly** ■ Easy for installation and maintenance.  
Removable #26 crimp contacts.

## Description

- Space applications:
  - Satellites equipment
  - Engine test benches
  - Launcher instrumentation
- MIL-Aero applications:
  - Radar
  - Engine Control Unit
  - Missiles
  - Flight test equipment
  - Data acquisition equipment
  - Cockpit equipment & Avionics

For satellites, UAV, civil & military aircraft



## Technical features

### Mechanical

- **Shell:**  
Composite (glass fiber reinforced, material for maximum mechanical resistance)  
Aluminum
- **Shell plating:** 10µ Ni over Cu
- **Contact:** Copper alloy
- **Contact plating:**  
1.27 µm (50 µin) Au according to Type 2, Grade C of MIL-DTL-45204
- **Insulator:** Thermoplastic
- **Mounting accessories (clips, jackscrews and jackposts):**  
Stainless steel, passivated per QQ-P-35
- **Grommet and seal:** Silicone rubber
- **Drilled bar:** Thermoplastic
- **Endurance/Durability:**  
500 mating/unmating operations

- **Contact retention in insert:** 15 N
- **Vibration:**  
Random: 44g  
Sine: 20g
- **Shock:** 50g

### Electrical

- **Contact size:** #26
- **Contact pitch:** 2 mm
- **Current rating:** 2.5 Amps
- **Dielectric withstanding voltage**  
Sea level: 600 Vrms  
70.000 feet: 200 Vrms
- **Insulation resistance:** 5,000 MΩ
- **Low level contact resistance:** 6 mΩ
- **Rated current contact resistance:** <5 mΩ
- **Admissible wire gauge:**  
AWG 24 to 28

- **Shielding effectiveness:**  
> 60dB attenuation from 1 to 500 MHz
- **Shell to shell continuity:**  
Composite version: < 2mΩ  
Aluminum version: < 2mΩ

### Environmental

- **Operating temperature:**  
-55°C to +175°C
- **Storage temperature range:**  
-65°C to +125°C
- **Soldering temperature:** +260°C
- **Salt spray (corrosion):**  
Composite shell: 2000 hrs  
Aluminum shell: 48 hrs
- **Flammability:**  
UL 94V-0 (self-extinguishing materials)
- **RoHS compliant**

For further information contact us at [technical.emear@souriau.com](mailto:technical.emear@souriau.com) (Europe - Asia - Africa)  
[technical.americas@souriau.com](mailto:technical.americas@souriau.com) (North America)  
 or visit our web site [www.souriau.com](http://www.souriau.com)