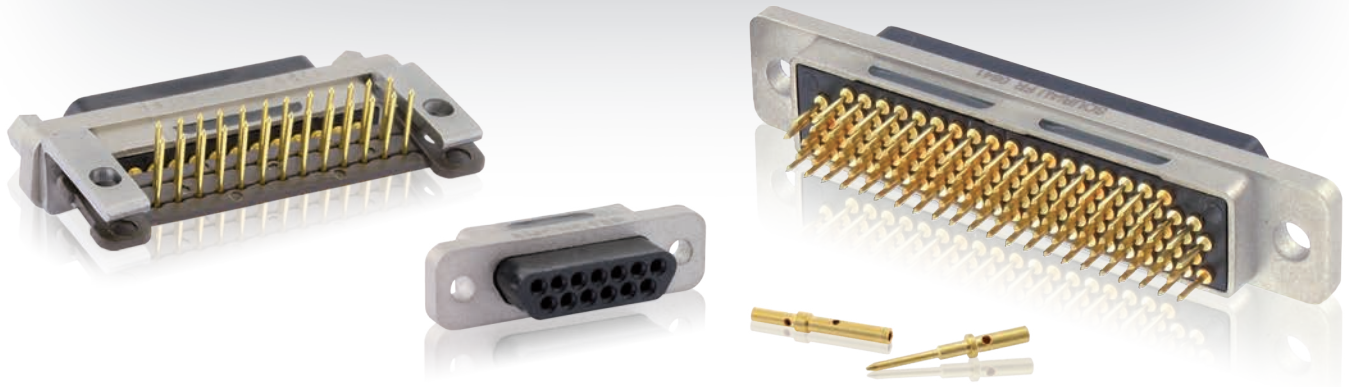


microComp® Series

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 cm².
Up to 104 ways in 8 cm².

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

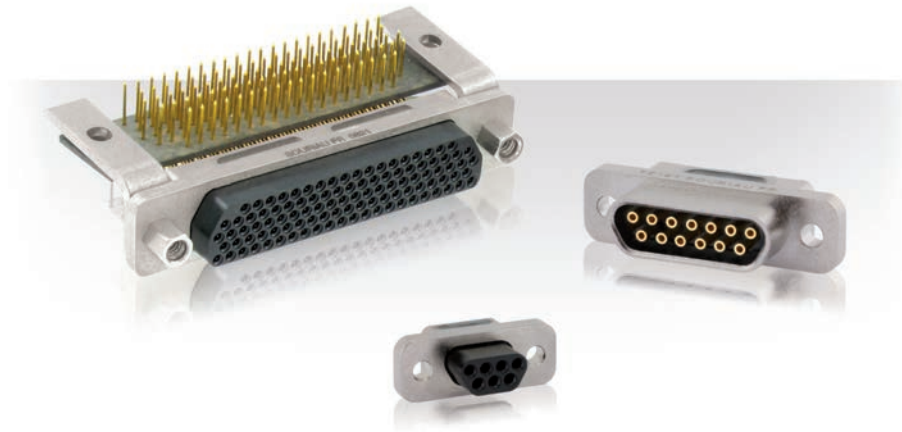
Weight saving ■ Up to 58% lighter than micro-D.
Up to 66% lighter than HD D-Sub.

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**



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