J18 DIN 41612-Type Rectangular Connectors with Wire-Spring Contacts

DIN 41612 type · 32–96 contacts · wire-spring sockets



Pitch	2.54 mm
Contacts	32 to 96
Current rating	2 A
Temperature	–55 to +125 °C
Mating cycles	1000

Key features

- DIN 41612 / IEC 60603-2 form
- Hyperboloid wire-spring sockets
- 32, 48, 64 or 96 contacts; partial loading options
- Straight or right-angle dip-solder (standard or long tails), wire-wrap or solder
- Coding accessories to prevent mismating
- 1000 mating cycles

Specifications

Electrical		
Parameter	**Value**	**Condition**
Rated voltage	300 V	
Dielectric withstanding voltage	1000 V	
Contact resistance	≤ 10 mΩ	
Current rating	2 A	Ø 0.8 mm contacts
Insulation resistance	≥ 1000 MΩ	

Mechanical and environmental		
Parameter	**Value**	**Condition**
Operating temperature	–55 to +125 °C	
Vibration	10–2000 Hz, 147 m/s²	
Shock	980 m/s²	
Durability	1000 mating cycles	

Standards

- **IEC 60603-2 / DIN 41612 (type)** — Two-part connectors for printed boards.
- **HB 6382** — Chinese industry standard.

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