HJ30J High-Speed Micro-D Connectors

100 Ω differential pairs · up to 3.125 Gbps board-to-board



Impedance	100 ± 15 Ω
Data rate	1.65 Gbps (3.125 Gbps board-to-board)
Contacts	12 to 100
Pitch	1.27 mm
Temperature	–55 to +125 °C

Key features

- Differential pairs separated by ground contacts
- Near-end crosstalk better than 30 dB (100 ps rise time)
- Same twist-pin contact system and pitch as standard Micro-D
- Supplied pre-wired with Cat 5e unshielded cable, or to your cable specification

Specifications

Signal integrity

Parameter	Value	Condition
Characteristic impedance	100 ± 15 Ω	
Near-end crosstalk isolation	≥ 30 dB	100 ps rise time
Data rate	1.65 Gbps	Cable termination, laboratory conditions
Data rate	3.125 Gbps	PCB to PCB, laboratory conditions

Electrical

Parameter	Value	Condition
Current rating	3 A	
Dielectric withstanding voltage	800 V	Standard atmosphere
Insulation resistance	≥ 5000 MΩ	Room temperature
Insulation resistance	≥ 1 MΩ	Damp heat
Contact resistance	≤ 20 mΩ	

Mechanical and environmental

Parameter	Value	Condition
Shell	Metal, electroless nickel plated	
Contact pitch	1.27 mm	
Durability	500 mating cycles	
Operating temperature	–55 to +125 °C	
Vibration	10–2000 Hz, 196 m/s²	

Mechanical and environmental		
Parameter	**Value**	**Condition**
Shock	735 m/s²	

How to order

HJ30J - [contacts] [type] [termination] [locking]

Code segment	Options
Contacts	**12 – 100** 12, 18, 24, 30, 36, 55, 100
Type	**TJ** Plug with pin contacts
Type	**ZK** Receptacle with socket contacts
Termination	**(none)** Crimp
Termination	**S** Solder cup
Termination	**N** Straight PCB, 1.27 × 1.27 mm grid
Termination	**W** Right-angle PCB, 1.27 × 1.27 mm grid
Termination	**NB** Vertical surface mount
Locking hardware	**L, P** Locking hardware types — see J30J locking hardware table

Straight PCB versions are also available with longer tails (N5, N8).

Standards

- **GJB 2446** — General specification for shell-located subminiature rectangular connectors — the Chinese counterpart of MIL-DTL-83513.

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=HJ30J