J30JZ Twist-Pin Micro-D Connectors, Compact and Long-Life

Twist-pin contacts · ≈ 40 % of J30J volume · 9 to 100 contacts



Pitch	1.27 mm
Contacts	9 to 100
Current rating	3 A
Temperature	−55 to +125 °C
Mating cycles	Up to 20,000

Key features

- Gold-plated twist-pin contacts with multiple contact points per pin
- About 40 % of the volume of J30J: at least 5 mm shorter, 2.9 mm narrower and 2 mm lower
- Low insertion force version J30JZ/X
- 1.27 mm pitch; 9, 15, 21, 25, 31, 37, 51, 66, 74 and 100 contacts
- Crimp (pre-wired), solder-cup, straight PCB and right-angle PCB terminations
- Free-end, vertical-mount and horizontal-mount shells; mounting-screw or jackscrew hardware

Specifications

Electrical

Parameter	Value	Condition
Current rating	3 A	
Contact resistance	≤ 20 mΩ	
Dielectric withstanding voltage	600 V	Standard conditions
Insulation resistance	≥ 5000 MΩ / ≥ 1000 MΩ	Room temperature / humidity

Mechanical and environmental

Parameter	Value	Condition
Contact pitch	1.27 mm	
Durability	Up to 20,000 mating cycles	
Vibration	10–2000 Hz, 196 m/s²	
Shock	735 m/s², 11 ms	
Operating temperature	−55 to +125 °C	
Wire size (crimp)	0.1–0.15 mm²	0.07 mm² on request

Versions

Series code	Version	Notes
J30JZ/X…TJ	Plug, pin contacts, low insertion force	

Series code	Version	Notes
J30JZ…ZK	Receptacle, socket contacts	
…P… / …L…	Vertical-mount / horizontal-mount shell	
J30JZ-P01, -P02	Mounting hardware, fixed end	
J30JZ-L01, -L02	Jackscrew hardware, free end	

How to order

J30JZ(/X) [shell] [finish] [contacts] [TJ/ZK] [termination] [hardware]

Example: **J30JZ/XN25TJCAL01** — Low insertion force, free-end plug, aluminum with nickel, 25 contacts, pin contacts, crimp, with jackscrews

Code segment	Options
Series	**J30JZ** Compact Micro-D
Series	**J30JZ/X** Compact Micro-D, low insertion force
Shell	**(none)** Free end
Shell	**P** Vertical mount
Shell	**L** Horizontal mount
Finish	**N** Aluminum, nickel
Finish	**G** Aluminum, cadmium
Finish	**S** Stainless steel, passivated
Contacts	**9 – 100** 9, 15, 21, 25, 31, 37, 51, 66, 74, 100
Contact	**TJ** Plug with pins
Contact	**ZK** Receptacle with sockets
Termination	**CA** Crimp (pre-wired)
Termination	**SA** Solder cup
Termination	**NA** Straight PCB
Termination	**WA** Right-angle PCB
Hardware	**000** None
Hardware	**P01** Mounting screws
Hardware	**L01** Jackscrews

State wire size, length and color in your inquiry for pre-wired versions.

Standards

- **GJB 2446** — Chinese specification for Micro-D connectors, the counterpart of MIL-DTL-83513.

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=J30JZ