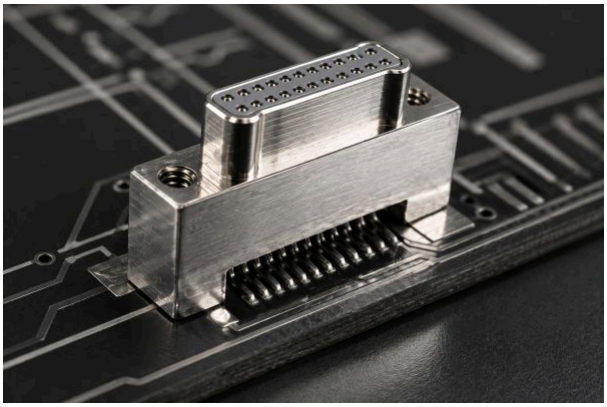
J7245 Nano-D Connectors, 0.635 mm Pitch

0.635 mm pitch · 9 to 69 contacts · metal shell



Pitch	0.635 mm
Contacts	9 to 69
Current rating	1 A
Temperature	–55 to +125 °C
Mating cycles	200

Key features

- Gold-plated micro twist-pin contacts
- Built to GJB 7245-2011, which corresponds to MIL-DTL-32139
- J7245: 0-80 UNF locking threads; J7245A: metric M1.6 threads
- Crimp, PCB, surface-mount and straddle-mount terminations
- Marine-environment versions (J70A / J70) with nickel-plated copper-alloy shells

Specifications

Electrical

Parameter	Value	Condition
Current rating	1 A	
Dielectric withstanding voltage	250 V	Room temperature
Dielectric withstanding voltage	100 V	Damp heat
Insulation resistance	≥ 5000 MΩ	Room temperature, 100 VDC
Contact resistance	≤ 21 mΩ	

Mechanical and environmental

Parameter	Value	Condition
Contact pitch	0.635 mm	
Durability	200 mating cycles	
Operating temperature	–55 to +125 °C	
Vibration	10–2000 Hz, 196 m/s²	
Shock	980 m/s², 6 ms	
Wire size (crimp)	0.035 mm²	

Versions

Series code	Version	Notes
J7245 / J7245A	Nano-D connectors, 0.635 mm pitch	

Series code	Version	Notes
J70A / J70	Marine-environment versions of J7245A / J7245	Nickel-plated copper-alloy shell

How to order

J70A-[rows][type] M 9-[contacts]-[termination][plating]-[hardware]

Example: **J70A-21M9-009-161-TH** — Double-row crimp plug, marine environment, nickel-plated copper-alloy shell, 9 contacts, crimp pins, gold-plated contacts, threaded insert

Code segment	Options
Series	**J70A** J7245A family, metric M1.6 threads
Series	**J70** J7245 family, 0-80 UNF threads
Rows	**2** Double row
Rows	**1** Single row
Type	**1 / 2** Straight crimp plug / receptacle (wire leads)
Type	**3 / 4** Horizontal-mount crimp plug / receptacle
Type	**5 / 6** Vertical-mount crimp plug / receptacle with backshell
Type	**7 / 8** Horizontal-mount crimp plug / receptacle with backshell
Type	**A / B** Vertical surface-mount plug / receptacle
Type	**C / D** Horizontal surface-mount plug / receptacle
Type	**E / F** Right-angle PCB plug / receptacle
Type	**G / H** Straight PCB plug / receptacle
Class and shell	**M9** Marine environment, nickel-plated copper-alloy shell
Contacts	**009–069** 9, 15, 21, 25, 31, 37, 51, 65, 69
Termination	**16 / 26** Crimp pin / socket
Termination	**12 / 22** Surface-mount pin / socket
Termination	**13–15 / 23–25** Straight PCB pin / socket, tail 2.77, 3.56 or 4.37 mm
Termination	**32–34 / 43–45** Right-angle PCB pin / socket, tail 2.77, 3.56 or 4.37 mm
Contact plating	**1** Gold
Hardware	**00** None
Hardware	**JC / JC2 / JC3** Jackscrew (hex socket / slotted captive / slotted)
Hardware	**TH** Threaded insert
Hardware	**NH** Guide socket with nut
Hardware	**DZ / DK** Guide pin / guide hole (fixed)

The pin contacts are on the plug (free end, with locking screws); the socket contacts are on the receptacle (fixed end, with threaded inserts).

Mate a jackscrew (JC) end with a threaded-insert (TH) end: Nano-D connectors are too small to feel full mating, so screw coupling makes sure the connector is fully seated.

Send us the contact count, termination and thread type, and we will return the full part number with a drawing.

Standards

- **GJB 7245-2011** — Chinese specification for ultra-miniature rectangular connectors, corresponding to MIL-DTL-32139.

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=J7245%20%2F%20J7245A