SERIES 89

Nanominiature Connectors

MIL-DTL-32139 qualified connectors for mission-critical board-to-wire applications—simply the smallest and lightest mil-spec connector in the business

THE NANO TWISTPIN ADVANTAGE

- Gas-Tight Crimp Joint
- Better Shock and Vibration Performance
- Corrosion Proof Contact Alloy
Series 89 Nanominiature Product Selection Guide

Pre-Wired Single Row Connectors
- Insulated Wire
- Uninsulated Wire
- Back-to-Back Cables

Pre-Wired PCB Connectors
- Thru-Hole Vertical
- Thru-Hole 90°
- SMT Vertical
- SMT 90°

Pre-Wired Double Row Connectors
- Insulated Wire
- Uninsulated Wire
- Back-to-Back Cables

Double Row PCB Connectors
- Thru-Hole Vertical
- Thru-Hole 90°
- SMT Vertical
- SMT 90°
- SMT Straddler

Pre-Wired MIL-DTL-32139 Connectors
- Single Row, Insulated Wire
- Double Row, Insulated Wire

NANOMINIATURE CONTACT ARRANGEMENTS

Double Row Mating Face of Pin (Plug) Connector

Single Row Mating Face of Pin (Plug) Connector

Nanominiature Connectors
The smallest and lightest mil-spec connector

Glenair nanominiature connectors are MIL-DTL-32139 qualified. Series 89 products offer options not covered in the mil-spec.

How Small Are They?

D-Subminiature Connector
25 Contacts on 0.109 Inch Spacing

Micro-D Connector
25 Contacts on 0.050 Inch Spacing

Nano Connector
25 Contacts on 0.025 Inch Spacing

Series 89 Nanominiature Connector Performance Summary

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Series 89 Nanominiature Connectors

Performance Summary

- Contact Spacing: .025” (0.64mm)
- Wire Accommodation: #30-#32 AWG
- Current Rating: 1 AMP Max
- DWV: 250 VAC RMS Sea Level
- Insulation Resistance: 5000 Megohms Minimum
- Operating Temperature: -55° C. to +125° C.
- Contact Resistance: 71 Millivolt Drop Maximum
- Shock, Vibration: 100g, 20 g’s
- Durability: 200 Mating Cycles
- Corrosion Resistance: 48 Hours Salt Spray
- Mating Force: 5 Ounce Max, 0.4 Ounce Min