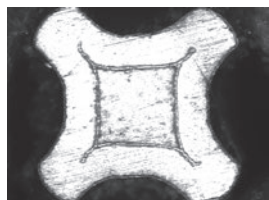




SERIES 89 Nanominiature Connectors

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



Transverse cross-section of a TwistPin contact crimped to solid wire



- Gas-Tight Crimp Joint
- Better Shock and Vibration Performance
- Corrosion Proof Contact Alloy

Nanominiature sized circular connectors in threaded and push-pull styles are also now available from Glenair



- 1 Amp current rating
- .025 Inch (0.635 mm) contact spacing
- #30 And #32 gage wire accommodation
- Single and double row
- Metal shell, aluminum, titanium or stainless steel
- TwistPin contact system
- Gold alloy contact, unplated
- Thru-hole and surface-mount PCB versions

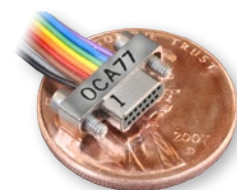


SERIES 89 Nanominiature Connectors

The smallest and lightest mil-spec connector



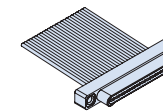
Series 89 Nanominiature Connector Performance Summary	
Contact Spacing	.025" (0.64mm) Contact Centers
Wire Accommodation	#30-#32 AWG
Current Rating	1 AMP Max
DWV	250 VAC RMS Sea Level
Insulation Resistance	5000 Megohms Minimum
Operating Temperature	-55° C. to +125° C.
Contact Resistance	71 Millivolt Drop Maximum
Shock, Vibration	100g's, 20 g's
Durability	200 Mating Cycles
Corrosion Resistance	48 Hours Salt Spray
Mating Force	5 Ounce Max, 0.4 Ounce Min



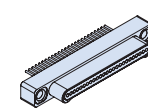
Glenair nanominiature connectors are MIL-DTL-32139 qualified. Series 89 products offer options not covered in the mil-spec.

SERIES 89 NANOMINIATURE PRODUCT SELECTION GUIDE

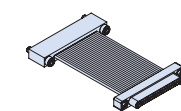
Pre-Wired Single Row Connectors



Insulated Wire

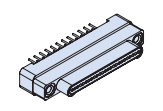


Uninsulated Wire

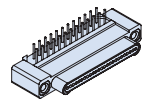


Back-to-Back Cables

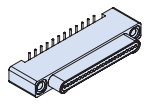
Pre-Wired PCB Connectors



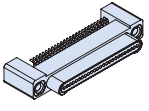
Thru-Hole Vertical



Thru-Hole 90°

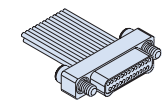


SMT 90°

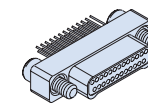


SMT 90°

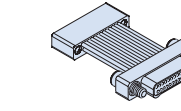
Pre-Wired Double Row Connectors



Insulated Wire

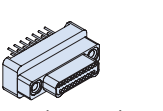


Uninsulated Wire

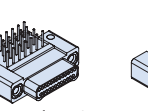


Back-to-Back Cables

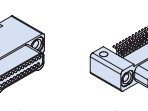
Double Row PCB Connectors



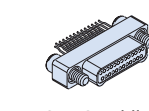
Thru-Hole Vertical



Thru-Hole 90°

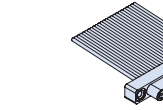


SMT 90°

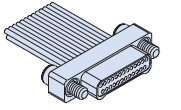


SMT Straddler

Pre-Wired MIL-DTL-32139 Connectors



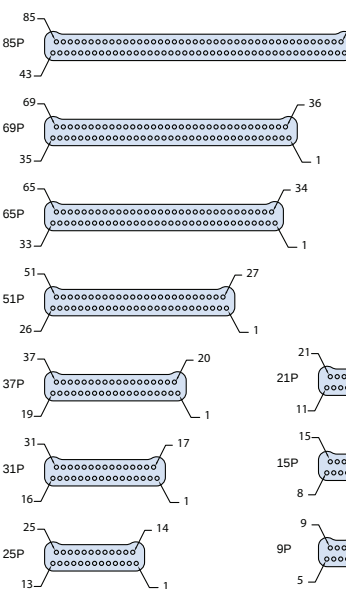
Single Row, Insulated Wire



Double Row, Insulated Wire

NANOMINIATURE CONTACT ARRANGEMENTS

Double Row Mating Face of Pin (Plug) Connector



Single Row Mating Face of Pin (Plug) Connector



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

