

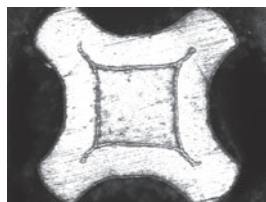
SERIES 89 Nanominiature Connectors

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



- 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

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

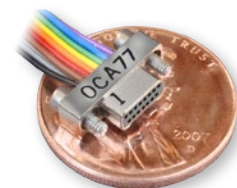


SERIES 89 Nanominiature Connectors

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.

How Small Are They?



D-Subminiature Connector
25 Contacts
on 0.109 Inch Spacing



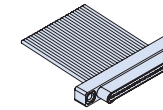
Micro-D Connector
25 Contacts
on 0.050 Inch Spacing



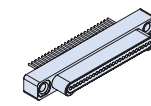
Nano Connector
25 Contacts
on 0.025 Inch Spacing

SERIES 89 NANOMINIATURE PRODUCT SELECTION GUIDE

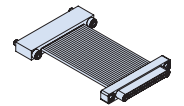
Pre-Wired Single Row Connectors



Insulated Wire

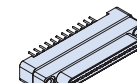


Uninsulated Wire

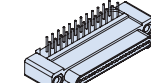


Back-to-Back Cables

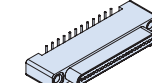
Pre-Wired PCB Connectors



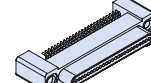
Thru-Hole Vertical



Thru-Hole 90°

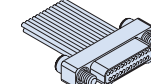


SMT 90°

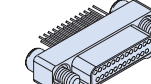


SMT 90°

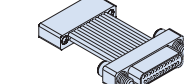
Pre-Wired Double Row Connectors



Insulated Wire

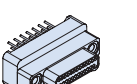


Uninsulated Wire

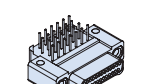


Back-to-Back Cables

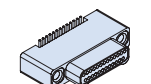
Double Row PCB Connectors



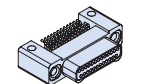
Thru-Hole Vertical



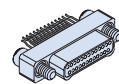
Thru-Hole 90°



SMT 90°

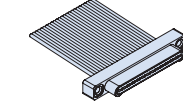


SMT 90°

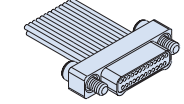


SMT Straddler

Pre-Wired MIL-DTL-32139 Connectors



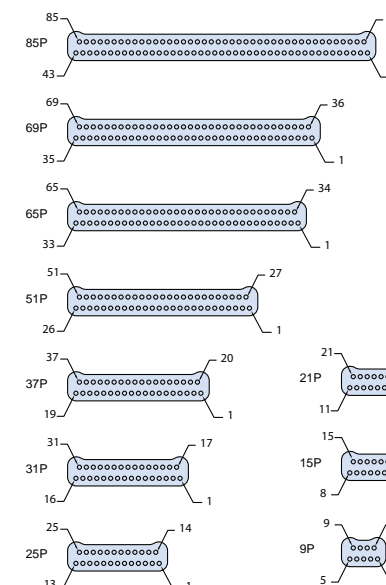
Single Row, Insulated Wire



Double Row, Insulated Wire

NANOMINIATURE CONTACT ARRANGEMENTS

Double Row Mating Face of Pin (Plug) Connector



Single Row Mating Face of Pin (Plug) Connector

