

OPTIMIZED
FOR USE WITH

MIL-STAR
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE



Glenair signature MIL-DTL-32139 type
nano miniature circular connectors

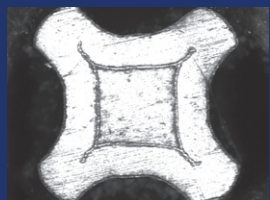


Glenair Nano Circular—the smallest and lightest harsh-environment connector in the business. From left to right: D38999 Series III, Mighty Mouse Series 805, Glenair SuperFly, and Nanominiature Series 89 Nano Circular—all with similar pin count.

The M32139 Nano circular is the smallest and lightest harsh-environment connector in the business. 1 Amp contacts are set on .025" centers and terminated to 30 AWG wire or PCB tails. Glenair supplies both breakaway and threaded mating configurations with optimal size and weight reduction (SWaP).

- Push-pull and threaded mating
- Metal shell: aluminum or stainless steel
- High vibration and shock gold alloy TwistPin contact system
- Prewired pigtails and PCB thru-hole
- Straight and right-angle thru-hole 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



Optimal SWaP for tactical warfighter applications

High density nano · signature TwistPin contacts · cable and PCB

PREWIRED NANO MINIATURE PIGTAIL ASSEMBLIES AND PCB RECEPTACLES

Pre-wired and PCB thru-hole mount circular nano plug and receptacle connectors with threaded or breakaway interfaces. Available receptacle mounting configurations include front panel mount, rear panel mount, and inline.

	892-007 Breakaway Plug		892-005 Inline Threaded Receptacle
	892-004 Inline Breakaway Receptacle		892-001 Front Panel Mount Threaded Receptacle
	892-000 Front Panel Mount Breakaway Receptacle		892-003 Rear Panel Mount Threaded Receptacle
	892-002 Rear Panel Mount Breakaway Receptacle		893-009 Rear Panel Mount, Threaded Receptacle with PC Tails
	893-008 Rear Panel Mount, Breakaway Receptacle with PC Tails		893-011 Rear Panel Mount, Threaded Receptacle with Right-Angle PC Tails
	893-010 Rear Panel Mount, Breakaway Receptacle with Right-Angle PC Tails		899-013, 899-014, 899-016 and 899-017 Threaded and Breakaway Circular EMI Covers
	892-006 Threaded Plug		600-189 Spanner Nut Socket drive for rear panel mount circular connectors

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