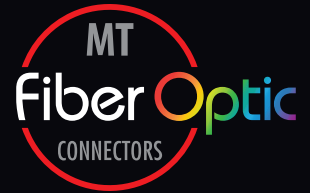


SERIES 183-001

# SuperNine® MT

Super high-density fiber optic connectors



## SUPERNINE® MT CONNECTOR SIZES AND INSERT ARRANGEMENTS

SuperNine® MT MIL-DTL-38999 Series III type connectors with plug-and-play MT ferrule accommodation

Shell Size 11 Insert Arrangement -1 Up to 24 fibers (1 MT ferrule)	Shell Size 13 Insert Arrangement -2 Up to 48 fibers (2 MT ferrules)	Shell Size 15 Insert Arrangement -3 Up to 72 fibers (3 MT ferrules)	Shell Size 17 Insert Arrangement -4 Up to 96 fibers (4 MT ferrules)

Mating face view of available MT ferrule insert arrangements (plug connector shown)

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SuperNine® MT Performance Specifications

Test Description	Performance Requirements/Specifications
Optical Insertion Loss, Multimode	-0.3 dB Typical (50/125)
Optical Insertion Loss, Singlemode	-0.3 dB Typical (9/125)
Optical Back Reflection, Singlemode	Better than -30 dB - PC Polish
Mechanical Shock (Operational 1)	75G Half Sine, 10 ms Duration, 3 Times Both Direction Each Axis per TIA-455-14A
Mechanical Shock (Operational 2)	300G Half Sine, 3 ms Duration, 3 Times Both Direction Each Axis per TIA-455-14A, Test Condition D
Mechanical Shock (Non-Operational)	36-44G Sawtooth, 10-12 ms Duration, 3 Times Both Directions Each Axis per MIL-STD-810F, Method 516.5
Vibration	Figure 514.5C-8 (36 Grms), 1 hour Exposure Each Axis per MIL-STD-810F, Method 514.5, Procedure 1
Thermal Cycling	5 Cycles, -40°C (At Step 1) to 85°C (At Step 3) with 1 hr. Exposure per EIA-364-32F, Cond. VII, Method A, Test Duration A
Temperature Life	85°C for 336 hours per TIA-455-4C
Humidity	90%-95% RH, 96 hour Exposure per TIA-455-5C, Method A, Test Condition A

## TURNKEY SUPERNINE® MT FIBER OPTIC CABLE SETS

Glenair's experienced fiber optic engineers can design, terminate, and test complex multibranch and point-to-point assemblies incorporating Glenair SuperNine® MT I/O and cable connectors with singlemode and multimode MT ferrules. Panel mount MT receptacles may be terminated to the broad range of standard commercial fiber optic interconnects for turnkey termination to board-level transceivers. Environmental MT plug assemblies are available with ruggedized backshells or in overmolded configurations.

