

OPTIMIZED
FOR USE WITH

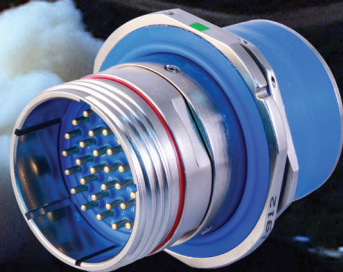
MIL-STARTM

HIGH-PERFORMANCE HOOKUP WIRE AND CABLE

SuperNine[®]

Blind-mate, float-mount, and assisted
release connectors with adjustable
separation force and misalignment feature

Titan rocket launch from Vandenberg AFB
Photo courtesy 30th Space Wing



Available feed-thru
configurations

Blind-mate, fixed, and float-mount interconnects for launch, satellite, and payload deployment applications

- Available in most symmetrical MIL-STD-1560 and high-speed insert arrangements with contacts sizes from #23 to #8
- Select designs offered with user-configurable assisted separation force (ASF) feature
- NASA outgassing bake-out process available
- Designed to withstand the rigors of launch and flight—including shock, vibration, thermal vacuum, acceleration, and temperature extremes
- Crimp-removable contacts standard. PC tails, dual-flange standoffs, hermetically sealed, and custom blind-mate configurations available

Glenair Series 253 blind-mate connectors with assisted separation force are used for interconnection and deployment of satellites, scientific payloads, interstage applications and more. This versatile family of highly engineered and environmentally sealed connectors is also appropriate for use in missile umbilical and weapons release.



Dead-Face connectors for isolation and disconnection of electrical signals prior to connector separation.

SPACE-GRADE BLIND MATE SuperNine float-mount and adjustable separation force connectors



IAW MIL-DTL-38999, environmental, crimp contact

CRITICAL MECHANICAL FEATURES OF BLIND-MATE AND ADJUSTABLE SEPARATION FORCE (ZEF) CONNECTORS



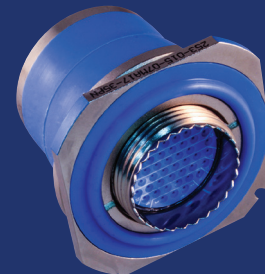
Roll-off nose: allows for the smooth disconnection of blind mate plugs and receptacles.



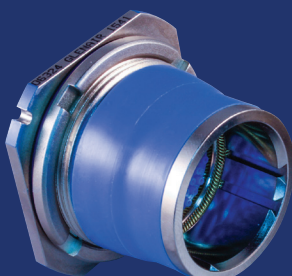
Float mounting: allows for coplanar movement of the receptacle during mating, preventing contact and shell damage.



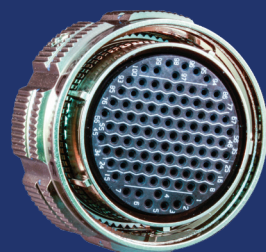
Misalignment accommodation: Radial, axial, and angular misalignment during mating is accounted for with integral wave springs.



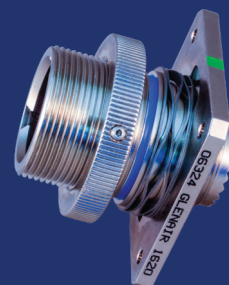
Sealing: Misalignment accommodation makes environmental sealing difficult. The problem is solved with auxiliary external seals.



EMI shielding: Glenair incorporates ground springs in receptacle connectors and grounding fingers in special coupling nut-equipped plugs to optimize 360° shell-to-shell continuity.



Assisted separation force: Adjustable kick-off style with spring-loaded posts and an adjustment ring to overcome contact retention (normal force).



BACKSHELLS AND ACCESSORIES FOR SUPERNINE BLIND-MATE CONNECTORS

ADAPTER CODE **F**

"F" adapter code accessories (D38999 Series I, imperial thread) fit this connector

ADAPTER CODE **H**

"H" adapter code accessories (D38999 Series III, metric thread) fit this connector



Glenair blind-mate, assisted separation force, and dead-face connectors may be equipped with protective covers, shield termination backshells, saddle clamps, and other front-end and back-end connector accessories with identical space-grade plating. Special "SplayMaster" backshells are supplied for use with high-speed data / RF series connectors. How-to-Order pages for each connector type indicate the appropriate adapter code to ensure correct accessory thread fit and function. "F" adapter code backshells are compatible with interconnects with MIL-DTL-38999 Series I and II imperial accessory threads. "H" adapter code backshells are compatible with MIL-DTL-38999 Series III and IV metric accessory threads. See Glenair Circular Connector Backshells and Accessories catalog for "F" and "H" order information.