

Lightweight Avionic  
and Sensor

CONNECTORS



# LIGHTWEIGHT Avionic, Flight Deck, Acuator, and Sensor Connectors for eVTOL Applications

Glenair high-density aircraft-grade interconnects offer significant size and weight savings while meeting key aircraft industry benchmarks for a broad range of eVTOL / UAM applications including sensors, flight navigation avionics in piloted vehicles, electronic speed controllers, and more. Designed for broad use in harsh vibration, shock, and high-heat aircraft zones—as well as exposed environmental zones with type certification requirements for environmental sealing and corrosion protection—Glenair small form-factor interconnects are turnkey aircraft-ready solutions for power, analog signal, high-speed digital, and wireless RF applications.



Discrete connectors as well as turnkey overmolded cable and conduit interconnect assemblies

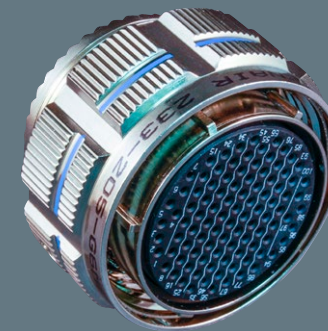
## MARKET REQUIREMENTS

- High-density, small form-factor
- Broad range of supported contact types including power, signal, RF, and high-speed digital
- Available RoHS-compliant materials and plating (non-cadmium, non-hexavalent chromium)
- Galvanic compatibility with available cable shielding and accessories
- All mounting/attachment styles including cable, panel, and bulkhead feed-thru designs
- Harsh application performance IAW FAA type certifications

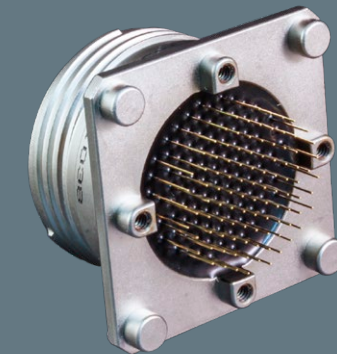
# LIGHTWEIGHT Avionic, Flight Deck, and Sensor Interconnects for eVTOL Applications



## AEROSPACE-GRADE (MIL-DTL-38999 SERIES III) FLY-BY-WIRE CONNECTOR SERIES



Anti-decoupling, high vibration ratcheting coupling nut for ultimate safety and reliability



Threaded standoff design for easy attachment to boards



Ultra-light weight Octaxial contacts for 10Gb data transfer per contact

## SERIES 806 MICRO MINIATURE CIRCULAR FOR LIGHT WEIGHT, REDUCED PACKAGE SIZE APPS



High-vibration and shock environmental plug and receptacle



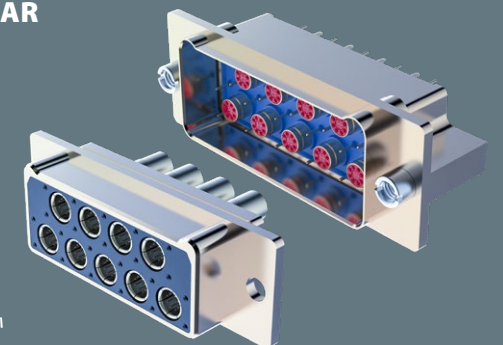
Lightweight, low contact resistance aluminum hermetic connector

- High-density #20HD and #22HD arrangements for reduced size and weight
- Supported wire sizes:  
#20HD contacts 20–24 AWG  
#22HD contacts 22–28AWG
- Dielectric withstanding voltage  
#20HD layouts: 1800 Vac  
#22HD layouts: 1300 Vac
- +200°C operating temperature

## HIGH-RELIABILITY RACK-AND-PANEL / BLIND MATE RECTANGULAR



Series 791: the high-performance signal, power, and RF rack-and-panel rectangular connector



Series 792 avionic and flight control interconnect solution for high-speed Ethernet, USB 3.0, and HDMI