

MISSION-CRITICAL
INTERCONNECT
SOLUTIONS



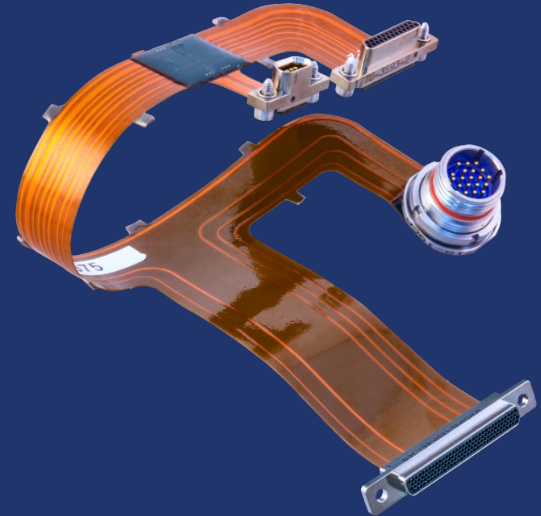
Missile and Collaborative Combat System Interconnect Solutions

Connectors and Assemblies for Autonomous Battlespace Applications

Mission-Critical Interconnect Solutions

For missiles and unmanned combat aircraft

- Turnkey interconnect assemblies with Glenair signature wire and cable
- Rugged connectors for high-power and high-frequency applications
- Interconnect technology for electromagnetic compatibility
- Small form-factor interconnects for size and weight reduction
- Harsh environmental aerospace and missile launch connectors
- High-density rectangular cable, board, and backplane connectors
- Innovative wire protection connector accessories





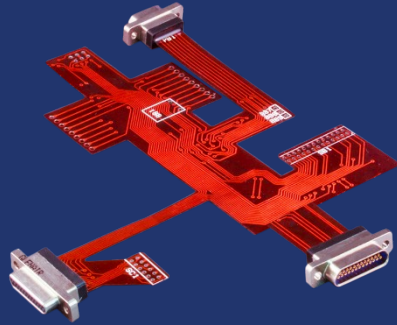
Turnkey Interconnect Assemblies

Turnkey Cable and Conduit Assemblies

Built with Glenair signature wire and cable



MIL-STAR™
sensor/control



SuperFlex™
integrated PCB flex,
rigid, and optical



SpeedLine™
high-speed
controlled impedance



BluMark RF™
high-frequency coax



Turnkey Cable and Conduit Assemblies

Built with Glenair signature wire and cable



FiberKing™
mil-aero fiber optic



TurboFlex™
high-flexibility power



SeaKing
10K psi subsea



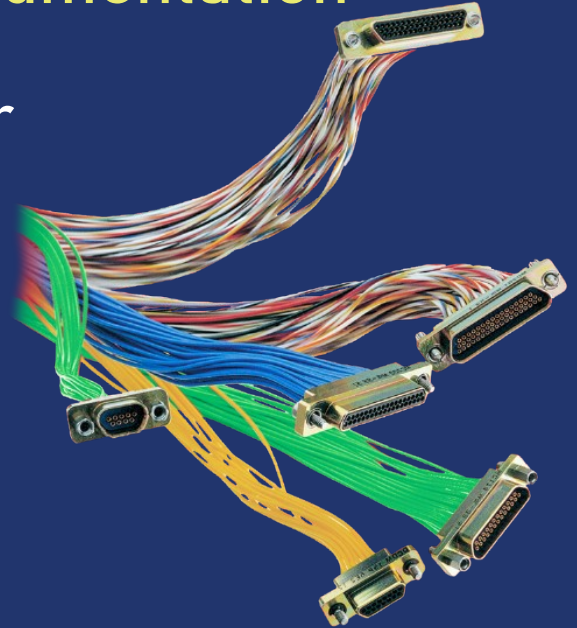
High-temp, cryo, gas
tube, space-grade



MIL-STAR GS22759 Aerospace-Grade Wire

IAW SAE AS22759 batch testing and documentation

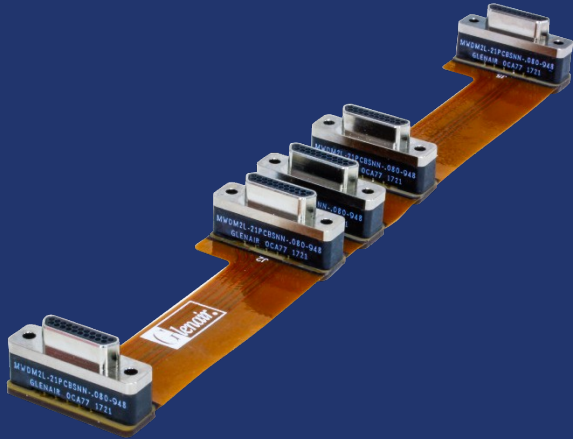
- Hookup wire and GS27500 multi-conductor cable
- In-house crosslinked XL-ETFE
- Low-fluoride space-grade PNs
- Red plague-resistant 80μ silver plating
- Signature lightweight braid PNs
- In-stock availability, no minimums



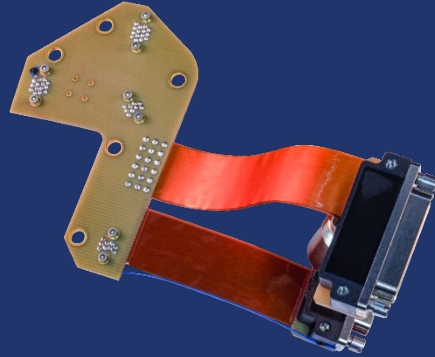
MIL★STAR™
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE

Connectorized Flex and Rigid-Flex Assemblies

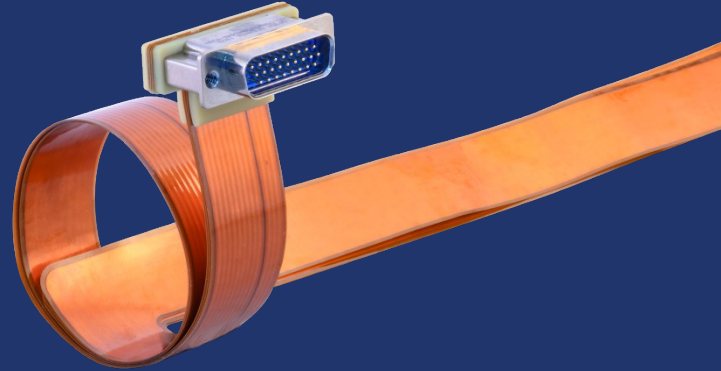
Integrated electrical and optical designs



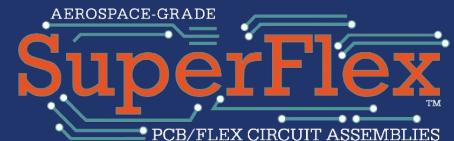
Flex



Rigid flex



Long length



Fiber Optic Wire, Cable, and Harnesses

Lightweight · High datarate · EMI / RFI immunity



Rugged overmolded



Inside-the-box



High-density MT



High-Speed Controlled-Impedance Cables

Turnkey assemblies optimized for 10Gb Ethernet and other high-datarate protocols



VersaLink™ differential twinax
assemblies



El Ocho®
octaxial assemblies



RF / Microwave Interconnect Assemblies

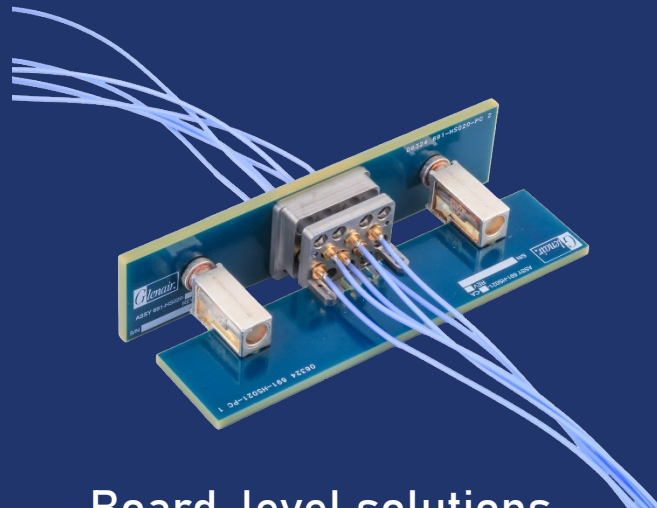
Low-loss cables · Multi-port connectors · High-frequency contacts



High-density rectangular



High-density circular



Board-level solutions

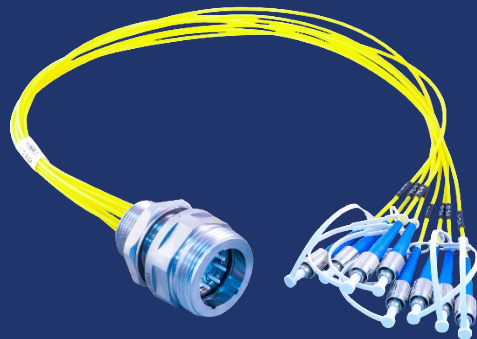


SeaKing™ High-Pressure Subsea Connectors

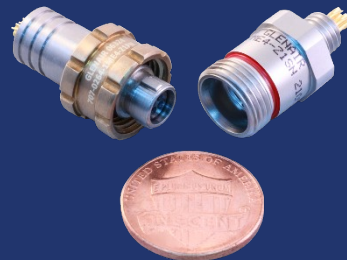
Electrical · Optical · Power · Turnkey Cables



SeaKing 700 10K psi
metal and PEEK



SeaKing Fiber Optic
open-face
pressure rated



Micro-PSI
microminiature
10K psi subsea



SuperG55
high-performance COTS
10K psi



The TurboFlex® Ecosystem: High-Power Cables, Contacts, Connectors, and Assemblies

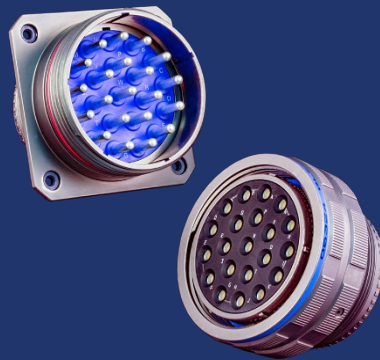
With Crown Ring low-temperature rise safe-touch contacts



PowerPlay circular and rectangular



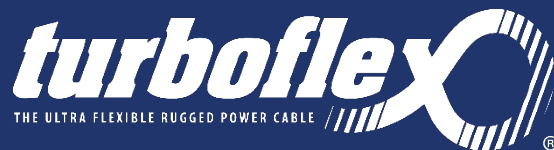
PowerLoad HV



PowerTrip high-density



MotorHead fast assembly

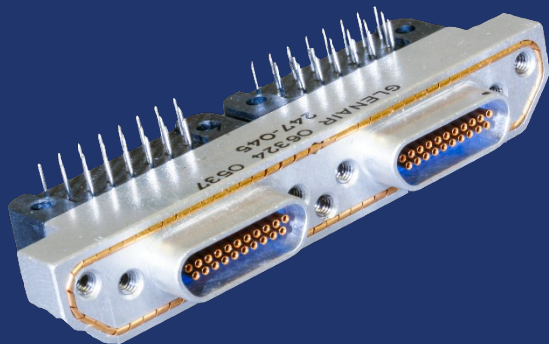




Interconnect Technology for Electromagnetic Compatibility

EMI / RFI and Transient Voltage Filters

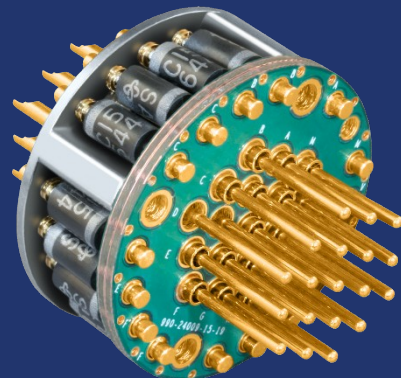
Planar array and TVS diode - Total vertical integration



Miniaturized Micro-D packaging



Connector saver designs



EMP / TVS diode designs



Rugged Fiber Optic Interconnect Systems

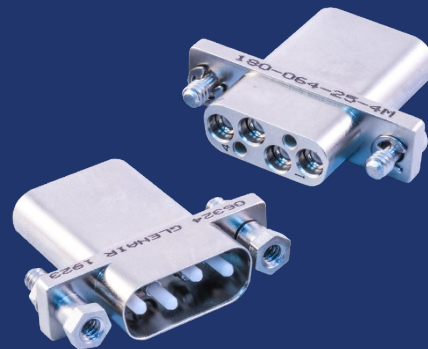
Complete EMI / RFI immunity · High datarate · Lightweight



MT Fiber Optic
ribbon / flex



Glenair High-Density
(GHD)

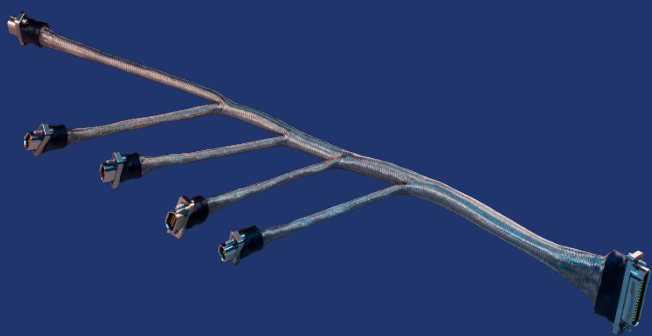


Glenair Front-Release
(GFR)

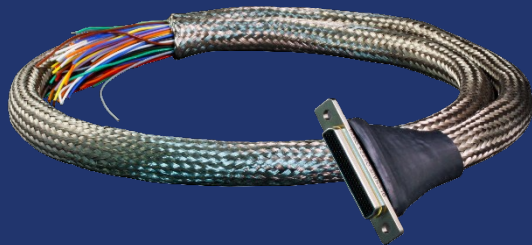


Lightweight Microfilament EMI Shielding

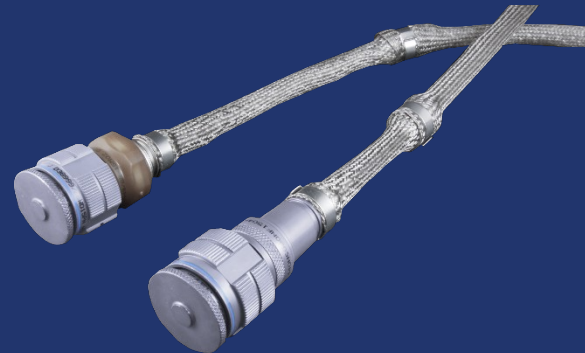
50%+ weight savings compared to legacy shielding



ArmorLite™
microfilament SS



ArmorLite™ CF
corrosion-free



AmberStrand®
composite



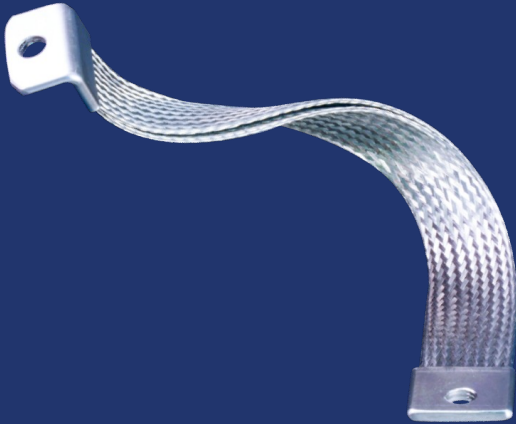
ARMORLITE™

ARMORLITE™ CF

AmberStrand®

HighFlex Grounding Conductors

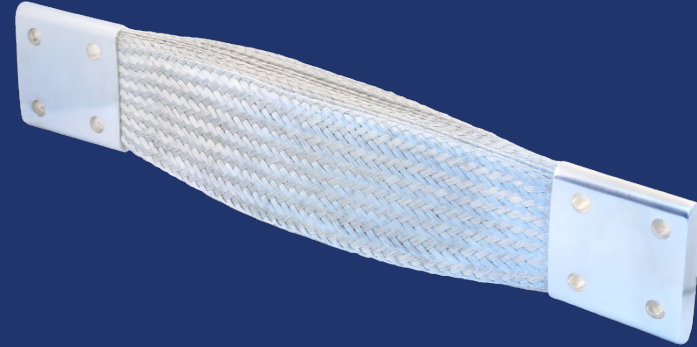
Ground straps · ESD bonds · Busbars



Flexible braided
ground straps



Short-length
ESD bonds



Multi-layer flexible
busbars



HIGHFLEX[™]
GROUNDING CONDUCTORS

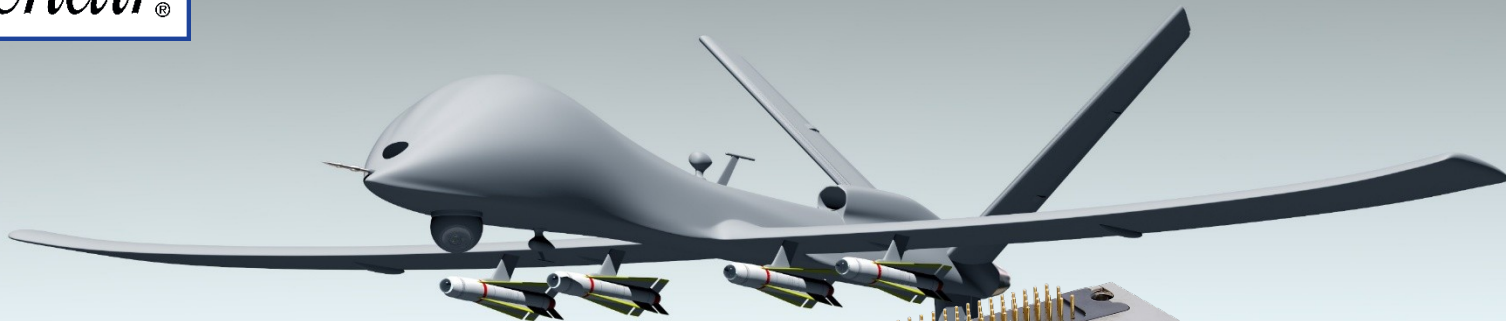
Band-Master ATS®

Six band types for every application



Criteria	Standard	Slim Standard	Micro	Micro Slim	Nano	Micro-Max
Width (inch)	.24"	.24"	.12"	.12"	.075"	.12"
Thickness (inch)	.02"	.01"	.015"	.01"	.01"	.015"





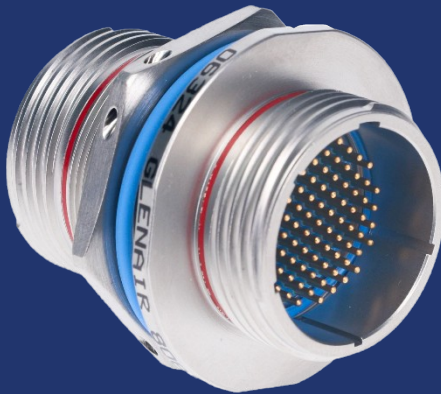
Small Form-Factor Interconnects for Size and Weight Reduction

Series 806 Mil-Aero

The lightweight micro circular with D38999 performance



High-density
multiport RF



High-density signal (bulkhead
feed-thru)

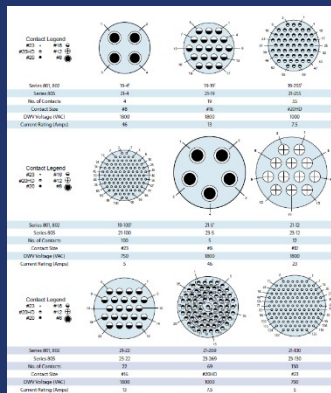


Hybrid El Ochito
high-speed / signal

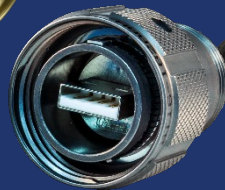


Mighty Mouse Connectors and Cables

Micro miniature connector series for optimized SWaP



Contact Legend	Series MIL-DTL-38999	Series MIL-DTL-38999	Series MIL-DTL-38999
Pin 1	Pin 1	Pin 1	Pin 1
Pin 2	Pin 2	Pin 2	Pin 2
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
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997	998	999	1000



67 tooled arrangements,
1 – 130 contacts

Six coupling styles

Harsh-environment,
EMI filter, high-speed

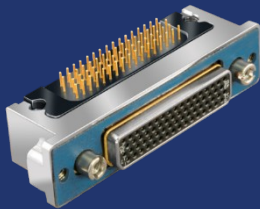
Turnkey mil-grade
cordsets and assemblies



Series 79 Micro-Crimp Rectangular

Low-speed signal · High-speed 10GbE · RF / Microwave

SERIES™
790
HD



HIGH-DENSITY

SERIES™
791
Scoop-Proof



SCOOP-PROOF

SERIES™
792
High-Speed



HIGH-SPEED

SERIES™
793
Dual-Bay



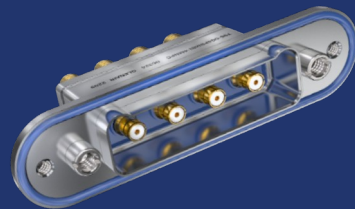
DUAL-BAY

SERIES™
794
Versa Link



VERSALINK

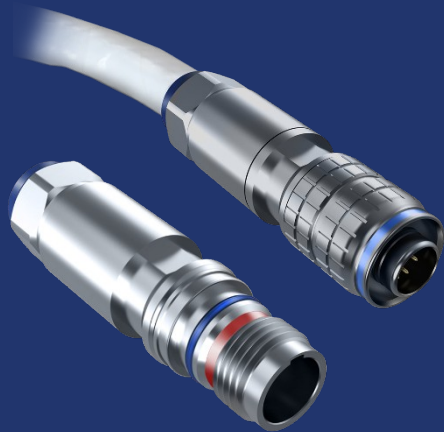
SERIES™
795
RF



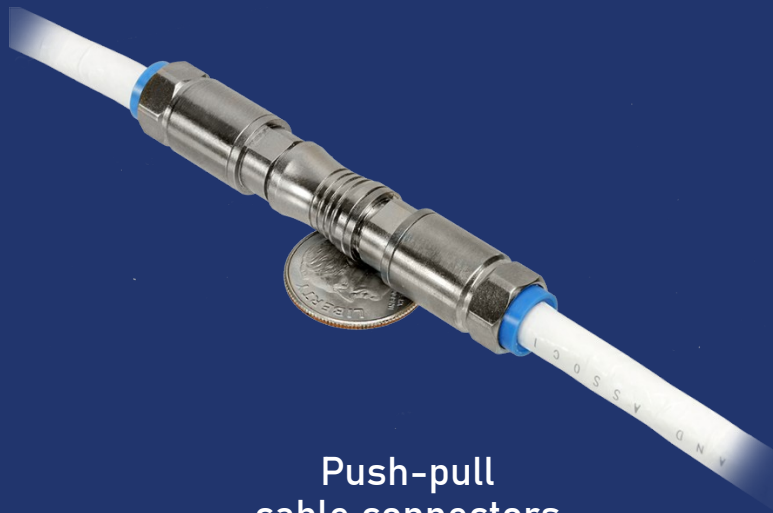
RF/MICROWAVE

Series 882 SuperFly[®] Datalink Nano Miniature

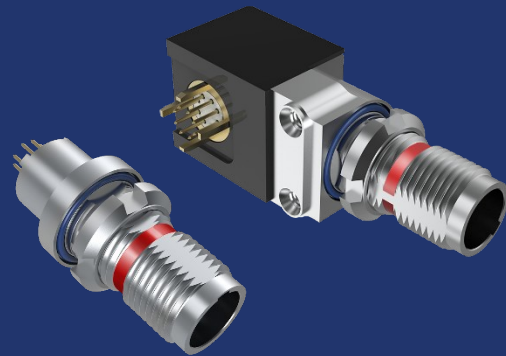
Controlled-impedance · El Ocho shielded 10Gb Ethernet



Threaded-coupling
cable connectors

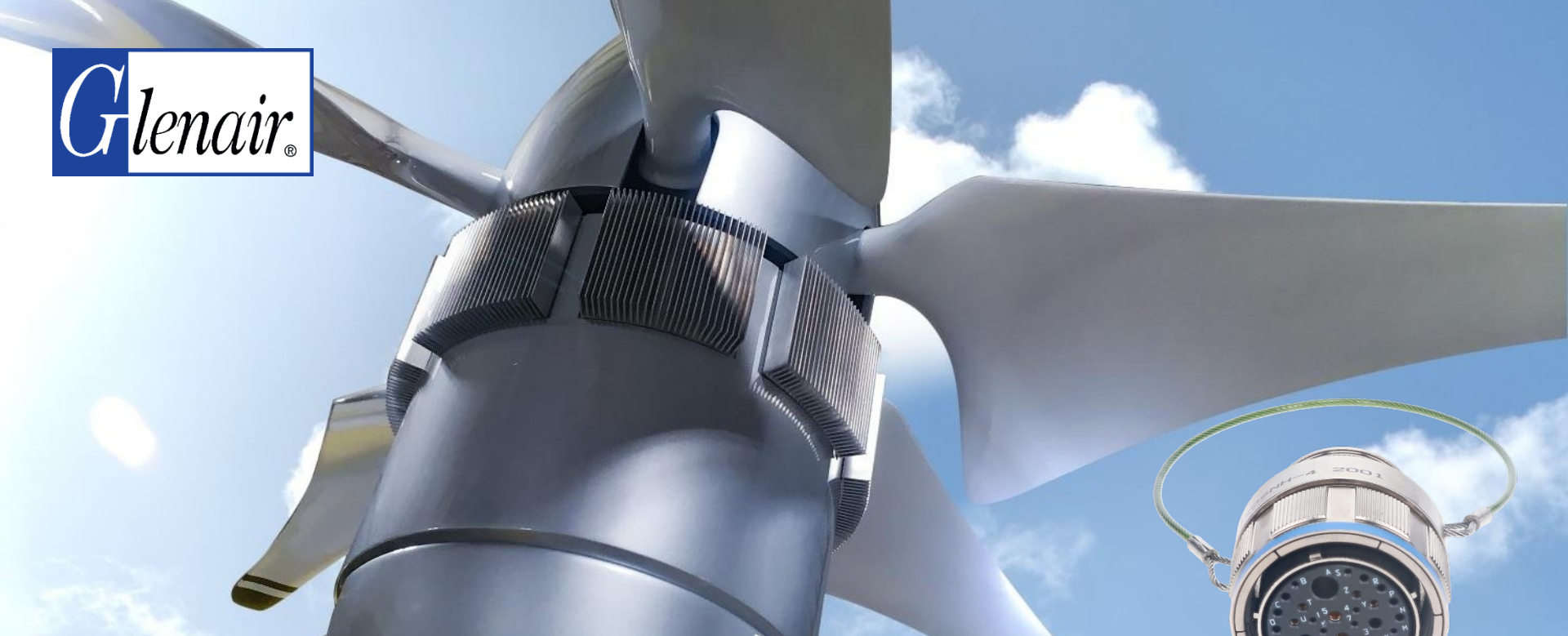


Push-pull
cable connectors



Straight and
right-angle PCBs





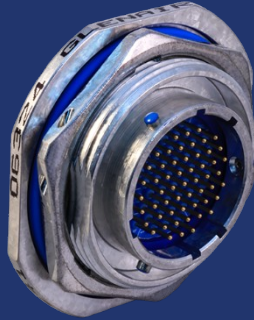
Harsh-Environmental Aerospace and Missile Launch Connectors

SuperNine “Better-than-QPL” Mil-Qualified

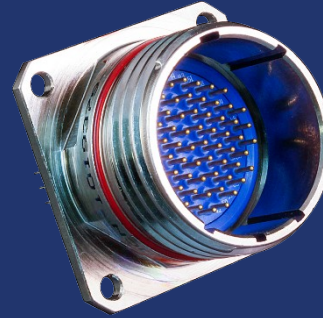
All D38999 coupling styles



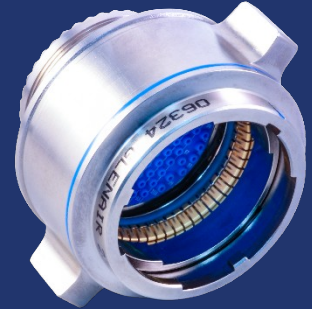
Series I
scoop-proof bayonet



Series II
low-profile bayonet



Series III
triple-start

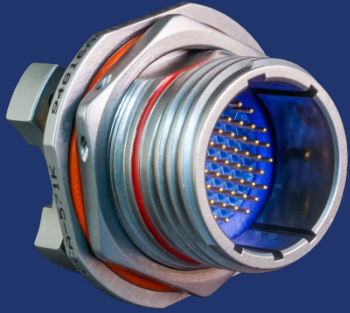


Series IV
breech-lock



SuperNine “Better-than-QPL” Mil-Qualified

Low-speed signal · High-speed · RF · Thermocouple



Standard and high-density crimp and PCB



High-speed shielded



High-frequency RF



Thermocouple



Glass-to-Metal Sealed Hermetic Connectors

The gold standard of environmental protection



Rectangular
configurations



Bulkhead
feed-thrus



Circular
MS-type

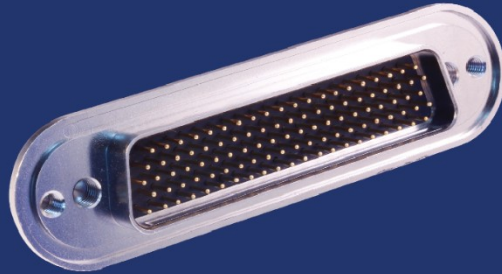
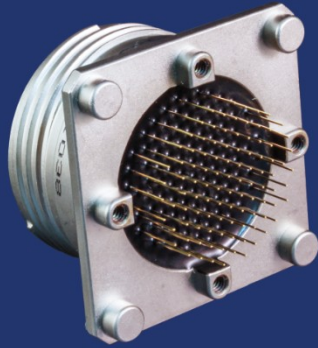


Custom
configurations



CODE RED Hermetic Connectors

Lightweight · Encapsulant-sealed · Low-resistance



Aluminum shell
CODE RED hermetic
connectors and
copper contacts
reduce weight and
improve electrical
performance
compared to
heavier-duty
glass-to-metal seal
hermetic solutions



ThermaRex™

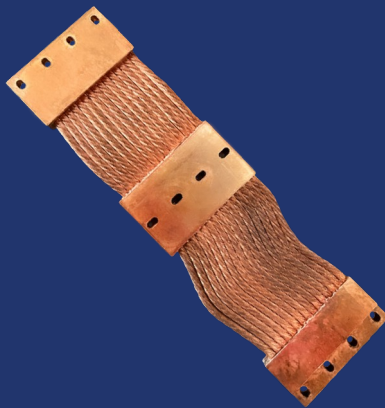
Cryogenic and high-temperature interconnects



260°C
High-Temperature



-195°C
Cryogenic



Thermal dissipation
straps



Conduit and flexible
braided shielding

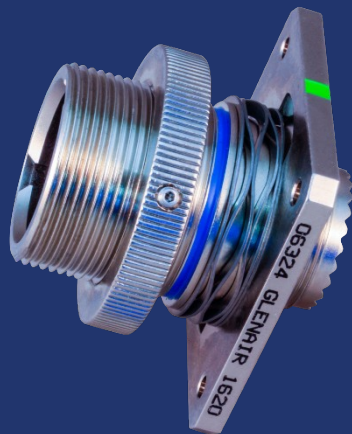


Missile Launch Interconnect Solutions

Lanyard-release · Missile umbilical · High-pressure cooling



MIL-DTL-38999 type lanyard-release

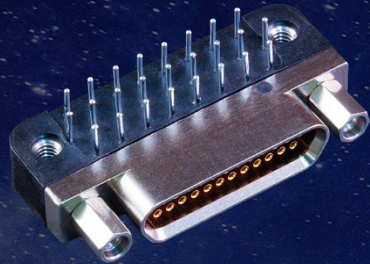


Blind-mate, Assisted Separation, and Dead-Face



Fire control and missile launch connectors

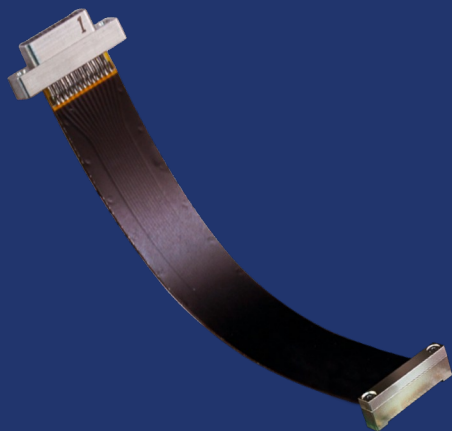




High-Density Rectangular Cable, Board, and Backplane Connectors

AlphaLink

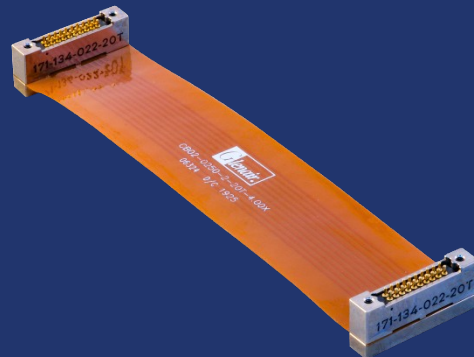
Rugged I/O to spring-pin contact connectors and flex assemblies



Series 89 Rectangular Nanominiature-to-AlphaLink SL flex jumper (rear-panel-mount plug or receptacle)



High-reliability Micro-D
MIL-DTL-83513 type rectangular-to-AlphaLink SL flex jumper

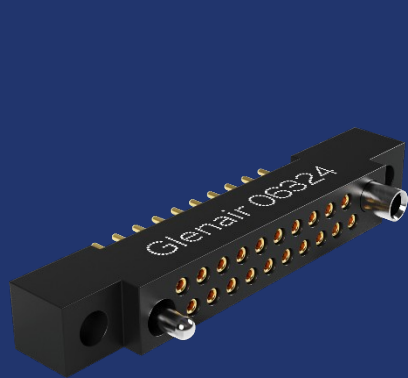


AlphaLink-to-AlphaLink
board-to-board
flex jumper assembly

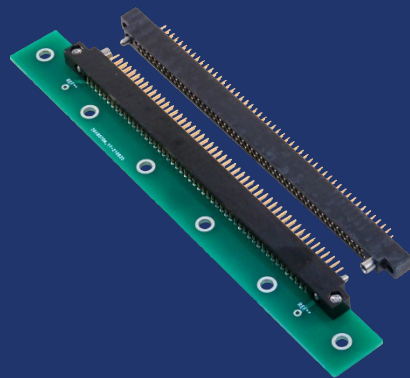


MIL-DTL-55302 Type Board and I/O-to-Board Connectors

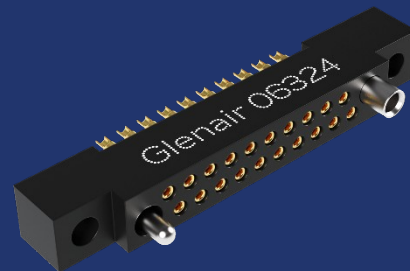
Standard .100" contact spacing with #22 contacts



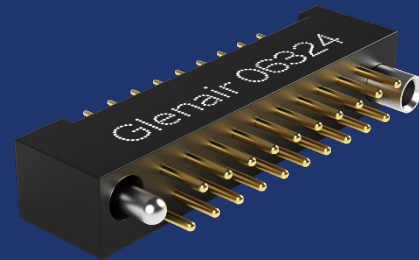
Vertical



Right-Angle



Solder-cup

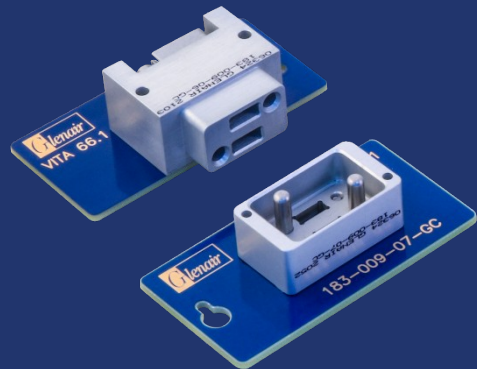


Flex

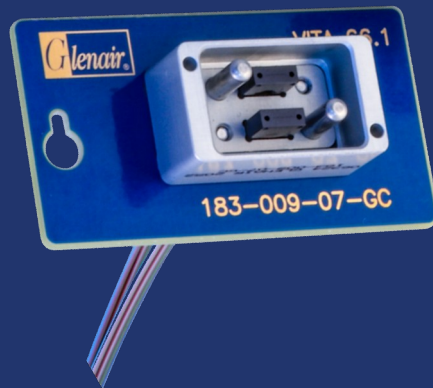


VITA 66.1 Backplane Connectors

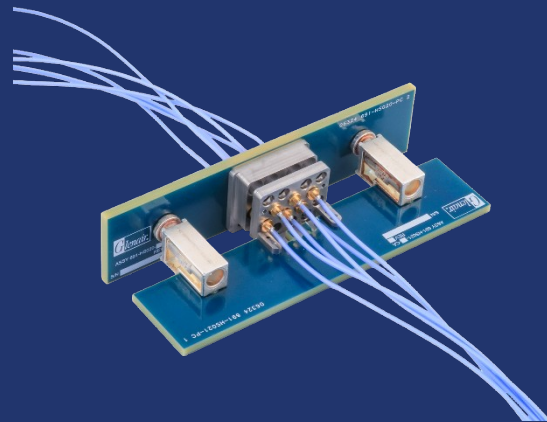
Blind-mate optical MT / RF connector system IAW VITA 66.1 / 66.4



Right-angle configuration for
motherboard/daughtercard
applications



High-density MT with up to 24
channels per ferrule

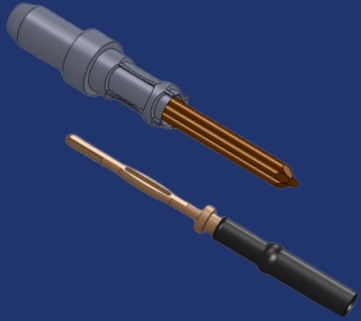


VITA 67.3 SMPM and SMPS RF
connectors

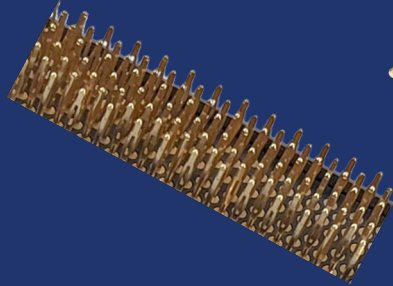


LRM Brush Contact Backplane Connectors

Re-engineered for zero FOD, zero electrical discontinuity



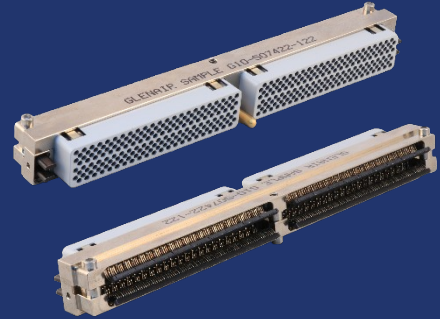
Fully-tooled brush
contacts



Compliant pin
board termination



Modular design
supports signal, RF, and
power

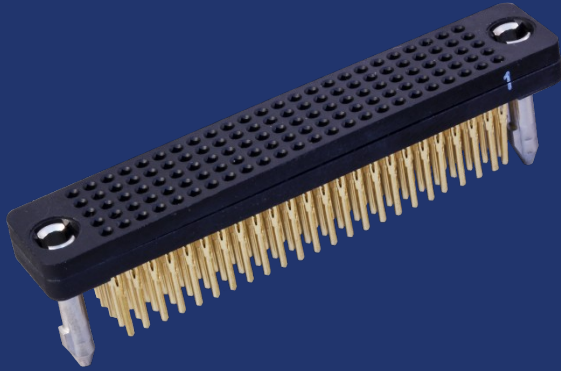


Interoperable with
Amphenol

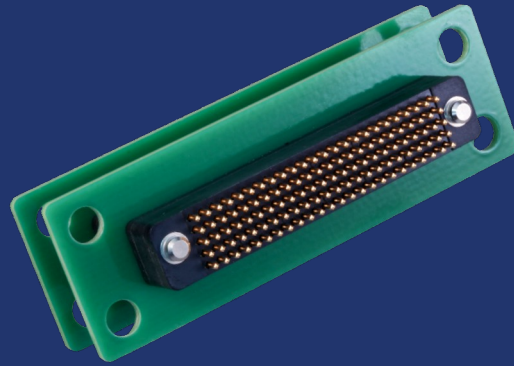


HD Stacker High-Density Board-to-Board

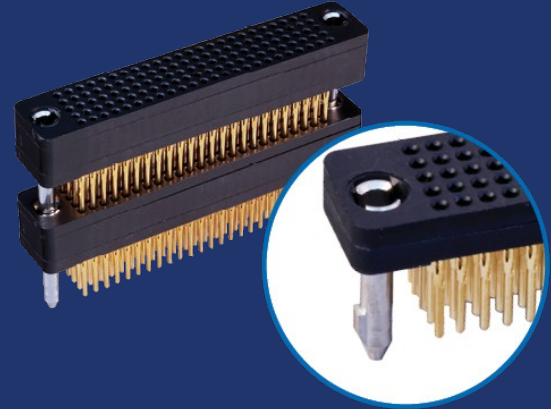
Vibration and shock-resistant compliant pin contact system



Solder-free (compliant pin)
board mounting



.0625" pitch contact spacing:
highest available density



Polarized shells
and guide pins
prevent mismatching

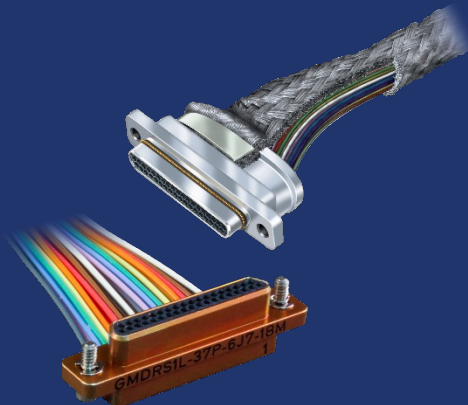


Micro-D Subminiature: QPL and Glenair Signature

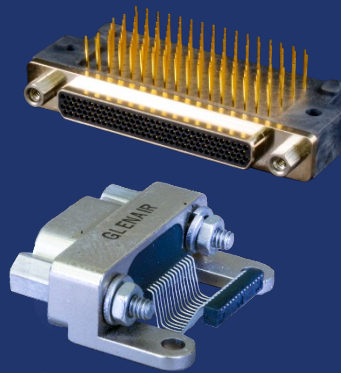
With high-vibration and shock-resistant TwistPin contacts



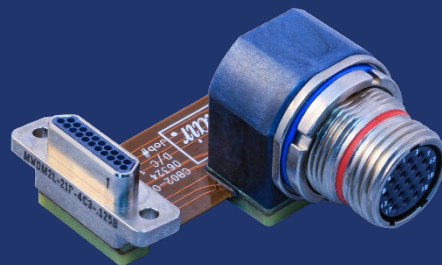
Splice-free cable
assemblies



Shielded and unshielded
pigtail assemblies



Signature
PCB-mount connectors

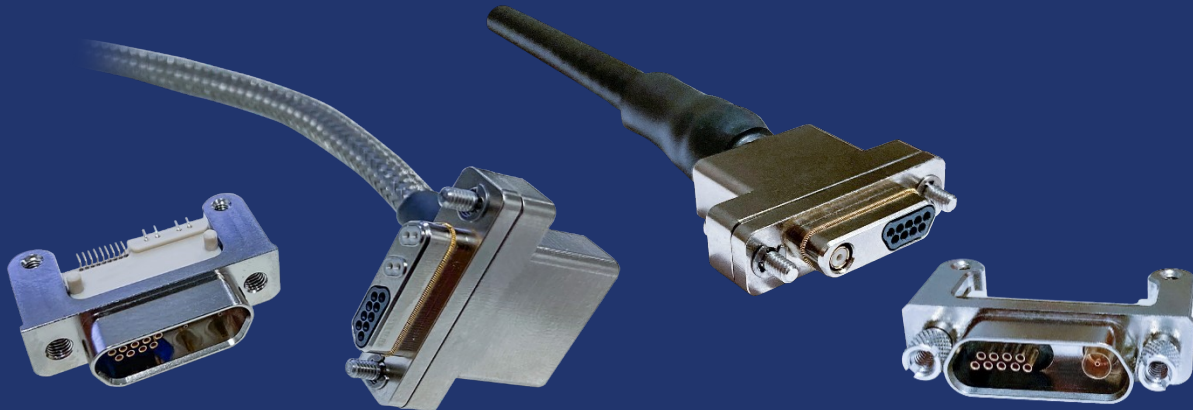


Micro and hybrid
flex assemblies



Glenair Modular Micro-D (GMMD)

Signal · Power · RF · High-speed · Standard Micro-D footprint



High-speed twinax
plus signal

RF coax plus signal

Spring-loaded coax
PCB termination



Nanominiature: QPL and Glenair Signature

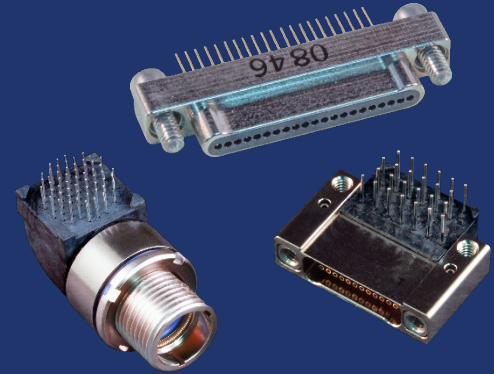
Rectangular and circular designs · Nano TwistPin contacts



The smallest and lightest mil-spec connector



Nano pigtails and point-to-point jumpers



Straight and right-angle nano PCB





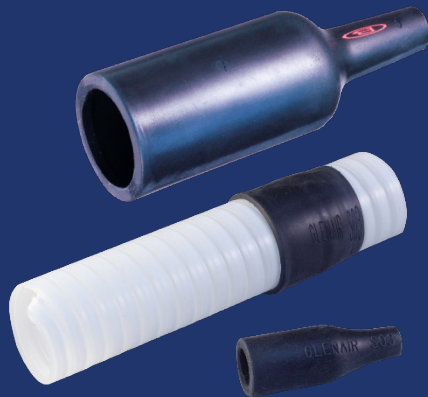
Innovative Wire Protection Connector Accessories

Environmental Connector Accessories

Auxiliary sealing and wire protection



ProSeal
protective covers



Heat- and cold-
shrink boots



Wire and cable sealing
backshells



Conduit wire
protection systems



Swing-Arm® Cable Clamp EMI / RFI Backshell

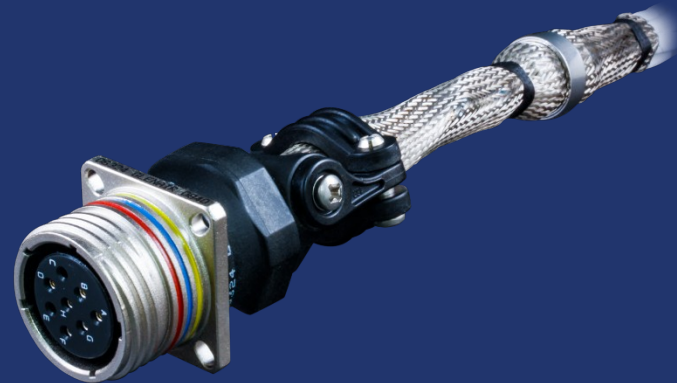
Articulating 3-in-1 strain relief and cable shield terminator



Drop-in follower
version



Aluminum, composite, and
stainless steel

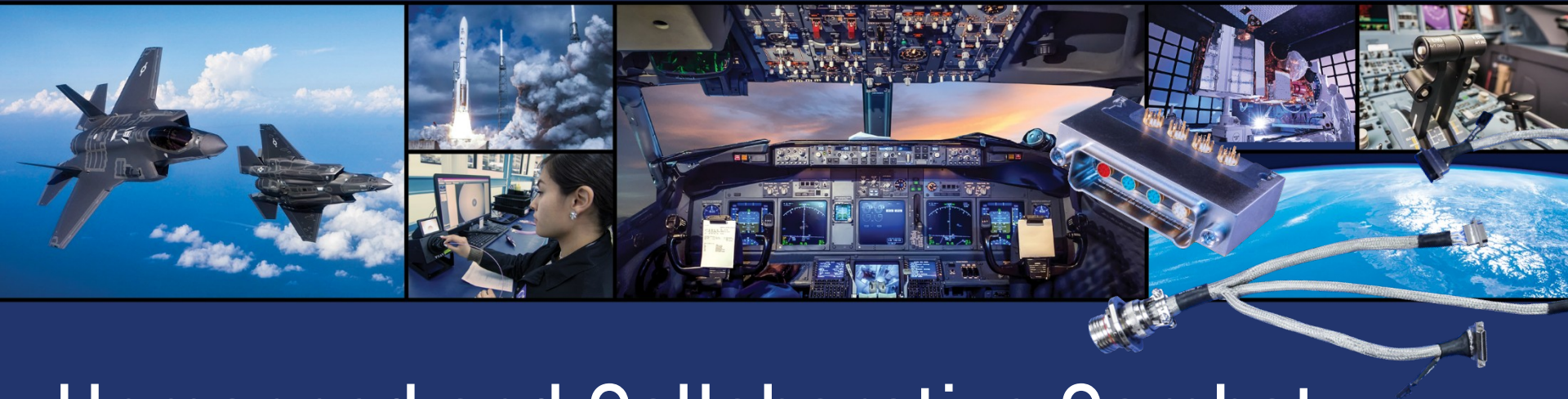


Shield sock
assemblies



SWING-ARM®
ARTICULATING THREE-IN-ONE CLAMPS

MISSION-CRITICAL
INTERCONNECT
SOLUTIONS



Unmanned and Collaborative Combat System Interconnect Solutions

Connectors and Assemblies for Autonomous Battlespace Applications