

• APTIV •

PRECISION CONNECTIVITY FOR

AEROSPACE & DEFENSE



HERMETICS | RF & MICROWAVE | MICROMINIATURE | FIBER OPTICS | CABLE MANUFACTURING | CABLE ASSEMBLIES

Connecting the Mission

Aerospace & Defense systems demand interconnect components that perform in the harshest and most extreme environments.

Aptiv Interconnect produces rugged, high-performance interconnect solutions engineered to support your most demanding missions.

With a legacy of proven field experience and thoughtful engineering, we offer a broad range of ruggedized cable assemblies, RF and fiber optic solutions, hermetic connectors, and high-power interconnects for land, air, sea, and space platforms. Whether it's fighter aircraft and naval ships, ground vehicles, missile defense, or satellite systems, Aptiv provides mission-ready connectivity that's ready to work when you need it most.





LAND-BASED READINESS

Aptiv designs interconnects that keep military vehicles, soldier systems, ground-based radar systems, and munitions performing no matter what. Our hermetic connectors, ruggedized cable assemblies, overmolded cable assemblies, and RF & microwave cables assemblies are key players in ensuring fast yet secure connections.



SPACE-GRADE RELIABILITY

Engineered solutions that meet the demands of space applications, backed by technical expertise. Aptiv solves critical challenges like multipaction, venting, and outgassing, and specialize in main bus harnesses, hermetic connectors, and RF/microminiature products for LEO, MEO and GEO satellites, scientific payloads, and space defense applications.



AIRBORNE SUPERIORITY

Aptiv delivers connectivity for manned and unmanned aircraft, weapon systems and surveillance platforms through specialized solutions like Dynawave® and Kings® RF cable assemblies. Miniature connectors offer a compact, lightweight option while hermetic connectors protect sensitive electronics from extreme pressure changes. Custom engineered solutions are crucial for complex harnesses in advanced aircraft & weapon systems.



SEA-BASED ASSURANCE

Discover durable and water-resistant solutions for marine and underwater environments, with features including water blockers and protective jackets. Aptiv engineers undersea and marine cable assemblies, RF and fiber optic cables, and hermetic connectors - designed for crucial operations such as underwater vehicles, towed arrays, radar, and shipboard communications.

Hermetics

HERMETIC SOLUTIONS

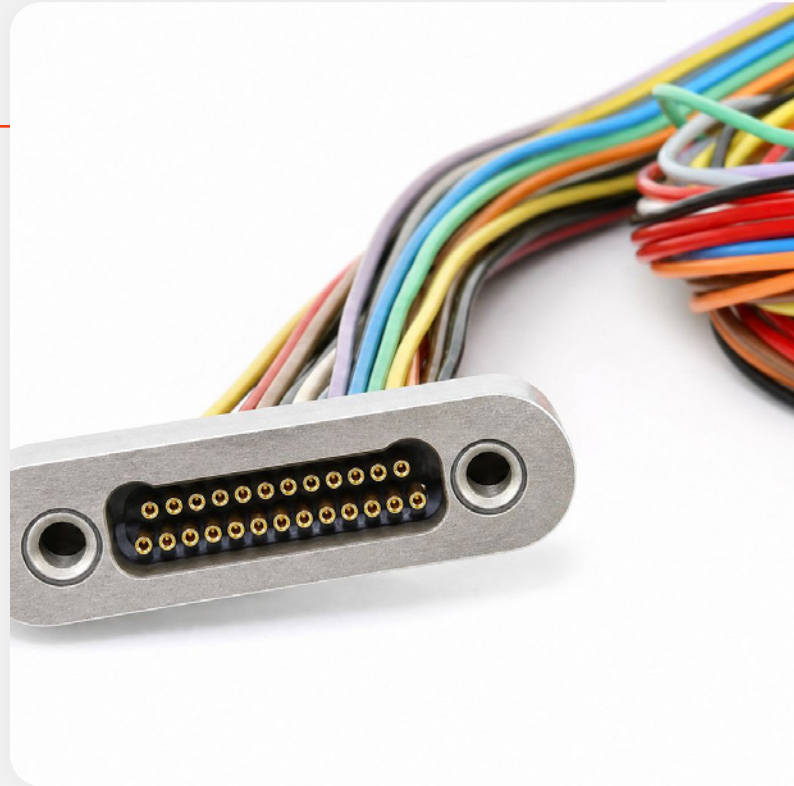
In the world of Aerospace & Defense, reliability is crucial. Whether it's in depths of the ocean, electronic warfare, fuse systems, or space, critical systems must operate flawlessly in any conditions. Aptiv Interconnect is a leading provider of high-performance hermetic solutions, ensuring your mission-critical systems remain protected.

We offer solutions for air, ground, and sea systems, as well as test and measurement solutions and data and power ecosystems. Our specialized hermetic interconnects, including our MIL-STD-810 compliant 85-98 Series and custom glass-to-metal seals, are engineered with our exclusive Ceramax® ceramic dielectric to withstand extreme environments, providing an impenetrable barrier against moisture, gas, and pressure.

Our in-house engineering teams will collaborate with you to define the best solution, whether it be something standard or completely customized. Our manufacturing facilities around the world can quickly ramp up production to meet your needs.

Hermetic Connectors, Packaging, and RF Feedthroughs:

- Laser weldable Micro D/Nano D connectors with high-reliability Ceramax ceramic dielectric sealing material
- Turnkey Hermetic Microwave Packaging with integrated multi-pin connectors and RF feedthroughs
- Glass-to-Metal Sealed Connectors and Headers



Microminiature

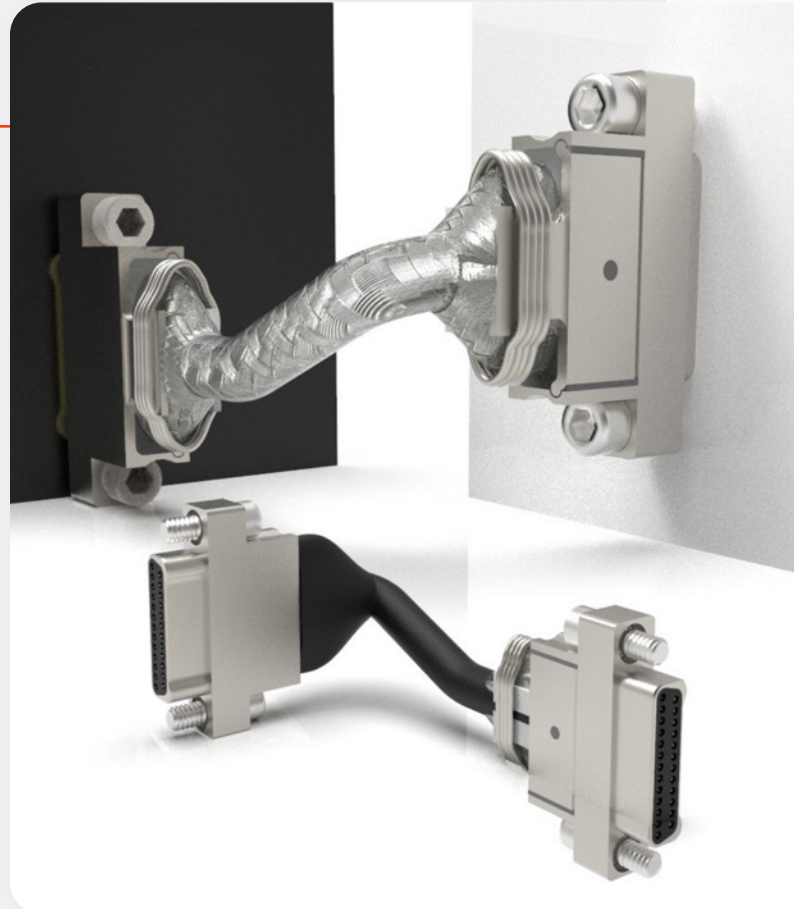
Aptiv's micro connectors are purpose-built for the size, weight, and performance demands of modern Aerospace & Defense systems. Available in standard and custom build to print, these connectors are smaller than traditional backshells and deliver:

- 360° EMI shielding for maximum signal protection
- Low-profile design that won't increase connector footprint
- Strong cable retention in high-vibration and launch environments
- Fewer BOM line items and simplified assembly
- Customizable exit angles to fit tight or complex routing needs
- Cost-effective solutions without sacrificing reliability

Built for Aerospace & Defense. Backed by experience. Engineered to perform.

Microminiature Connectors

- Micro D (M83513) and Nano D (M32139) connectors
- Ulti-Mate Micro D and Nano D cable assemblies & PCB connectors
- Overmolded cable assemblies
- Integrated Micro D and Nano D backshells
- Custom micro and nano connectors

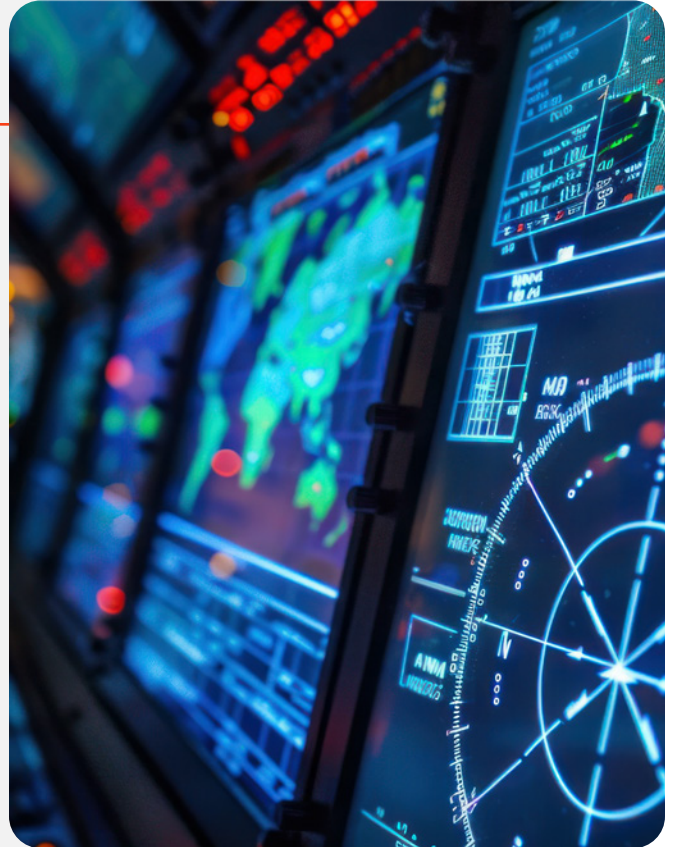


RF & Microwave

Aptiv is a trusted partner in mission-critical RF & Microwave interconnect solutions including high-power & high-frequency for the Aerospace & Defense market. Our precision-engineered products are built to perform flawlessly in the most challenging environments where failure is not an option.

Aptiv's engineered designs include:

- Comprehensive range of RF cables and connectors from high frequency (110GHz) to high power (kW) to support a wide variety of systems
- Vertically integrated coax cable manufacturing
- Flexible, low loss to semi-rigid for consistent quality
- Quick Turn RF Cable Assemblies to support tight deadlines
- KINGS® QPL Connectors - M39012 (Coax), M55339 (Coax Adapters), M49142 (Triax) for high performance in military applications



Connectors:

- 1mm - EIA line sizes
- Board mount, end launch, thru hole, R/A configurations
- Quick connect / disconnect
- Blindmate

Cable:

- Flexible (.047 - ~1.0")
- Semi-rigid (.047 - .25")
- High VP, Phase stable, low loss
- Durable, crush resistant
- SpaceFlex™ Cable

Cable Assemblies:

- Semi-rigid (balun / wireline)
- Flexible - >90dB Shielding
- Harsh Environment 10⁻⁵ ATM
- Space rated
- Arc-Tite ultra-low profile bends
- Instrument & production test cables

ADDITIONAL SOLUTIONS

MIL-SPEC & Other Military Connectors:

- MIL-SPEC products, including:
 - M28876, M28840, M28748, M55302, M28804
- Rectangular COTs connectors, including:
 - JF connectors
 - MRE & XMRE
- Rack and Panel connectors
- Snap-on power connectors up to 40 amps
- Explosion-proof connectors
- AS9100 CNC machining facility for build to print components

Fiber Optics:

- Fiber Optic Cable Assemblies
- Undersea Fiber Optic Bulk Cable
- EL Expanded Beam “No Clean” Termini
- Mil Spec Fiber Optic Connectors and Termini - M28876, M83522, M29504

Cable, Cable Assemblies, & Wire Harnesses:

- Custom bulk cable solutions
- Unique subsea / undersea bulk cable capability / including fiber optics
- Overmolded cable assemblies of various materials - thermoset and thermoplastic
- Neoprene, EPDM, Viton, etc.
- Engineered cable assemblies
- Build to Print cable assemblies to customer specifications utilizing Mil Spec connectors, cable and accessories



Market Solutions



Aerospace &
Defense



Automotive
& CV



Industrial &
Robotics



Marine
Subsea



Medical



Oil & Gas



Power & Data
Infrastructure



Rail Mass
Transit



Space

ABOUT APTIV:

Aptiv PLC (NYSE: APTV) is a global industrial technology leader delivering advanced solutions people trust when it matters most across automotive, commercial vehicle, aerospace and defense, telecom and datacom, and other diversified industrial end markets. Our differentiated portfolio enables devices and systems to sense, think, act, and continuously optimize performance. Building on decades of innovation, Aptiv brings global scale and a resilient, localized value chain to customers across the globe.

Learn more at www.aptiv.com.

OUR ACCREDITATIONS & QUALIFICATIONS:

- AS9100:2016 - Aerospace Quality Management System
- AS7003 - National Aerospace and Defense Contractors Accreditation Program
- ISO 13485:2003 - Medical Device Quality Management System
- IPC/WHMA-A-620 (Class 3) Requirements and Acceptance Standards for Cable and Wire Harness Assemblies
- ISO 9001:2008 - Quality Management System
- OHSAS 18001:2007 - Occupational Health and Safety
- ISO 14001:2004 - Environmental Management System