

MOLEX SOLUTIONS FOR DEFENCE > STANDARD AND CUSTOM-DESIGNED INTERCONNECT PRODUCTS

*Ground Communications, Avionic Electronics, C4ISR, Missile Control,
Unmanned Vehicles, Future Soldier Solutions*

At Molex, we manufacture some of the most innovative and reliable interconnect products in the world. Our broad portfolio and our comprehensive expertise provide unlimited possibilities for your defence applications. We also understand you may face challenges in your design that require a customised and innovative solution tailored to your needs. Molex is an industry leader in design and manufacturing. With 41 manufacturing locations and more than 30 design centers worldwide, we can assist you in reaching all of your design goals - with exceptional quality and efficiency.

Fiber Optic Products

Molex is a leading supplier of superior fiber optic solutions. Our comprehensive product offering includes:

- Ruggedised cable assemblies and adaptors
- FlexPlane™ Optical Circuitry to provide high-density routing on PCBs or backplanes in almost any routing scheme. It's one of the most versatile fiber routing systems on the market

RF Solutions

A complete line of radio frequency connectors and solutions with extensive capabilities for high- and low-volume assemblies covering frequencies up to 50 GHz.

- Available in 50- and 75-Ohm designs and ganged or bundled solutions
- Cable assemblies are 100% HiPot and continuity tested
- Sealed coaxial designs that meet IP68 in the unmated condition
- Temp-Flex RF specialty insulated wires and cables offer wire sizes from 50 to 26 AWG and are ideal for harsh environment applications

Harsh Environment Gigabit Ethernet Products

Our cost-effective Ethernet/IP cordsets are a smart option for reliable connections to Ethernet devices in harsh environments.

- Ideal for field operations with consistent alignment and mating
- Connectors with integrated data lines and power supplies for lower installation costs

Copper Flex Circuit Products and PCB Assemblies

Molex's extensive expertise in flex circuit design and PCB assembly provide total, optimal solutions for any packaging challenges and high-speed signal or power requirements.

- Copper Flex products are significantly thinner and lighter than traditional PCBs and highly resistant to extreme heat or cold
- Molex offers mechanical and electrical PCB assembly design, development and test support, including modeling and empirical testing

High-Speed Backplane Solutions

Our backplane solutions (with 2nd source provision) meet the demand for increased network bandwidth, while maximising signal integrity and providing mechanical reliability.

- High-speed options supporting data rates up to 40 Gbps
- Configuration flexibility from traditional vertical and right angle to coplanar, mezzanine and orthogonal designs in both 100 and 85 Ohm

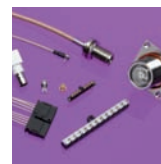
High-Speed Mezzanine Connectors

Molex offers a versatile range of mezzanine connectors for any board-to-board application.

- Stacking heights from 1.00 to 40.00mm
- Pin counts from 12 to 800 circuits
- Data rates from 3 to 28+ Gbps



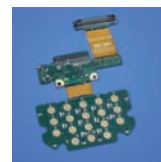
Fiber Optic Connectors and Assemblies



RF Connector Solutions



Ruggedised Ethernet Cordsets



Copper Flex and PCB Assembly



Impact™ Backplane Connector System



SEARAY Mezzanine Connectors*

*SEARAY is a trademark of Samtec Inc.

And many others... www.molex.com/industry/military.html

molex®
one company > a world of innovation

MOLEX SOLUTIONS FOR AEROSPACE > STANDARD AND CUSTOM-DESIGNED INTERCONNECT PRODUCTS

*In-Flight Entertainment, Cockpit Avionics, Cabin Communications,
Interior Lighting Systems, Power and Heating Systems, Passenger Safety Systems*

Molex is an industry leader in design and manufacturing of versatile interconnect products. Our highly skilled experts in 41 manufacturing locations and more than 30 design centers worldwide are focused on the design and development of innovative and reliable products to fulfill your requirements. Molex's extensive product range with more than 100,000 different high-quality products, combined with our comprehensive expertise, provide unlimited possibilities for your aerospace applications.

High-Density Fiber Optic Solutions

Molex's rugged, high-density circular and array MT cable assemblies are some of the most advanced optic solutions on the market today.

- Circular MT assemblies use single MT ferrules in a metal-connector shell. Fiber counts range from 12 to 72 fibers
- Array MT cable assemblies offer a high-density interconnection by increasing the number of MT ferrules in the array connector either as a single or dual row of 4 to 8 MT ferrules per row

Power Connectors

Molex offers a versatile product range of power delivery and power distribution solutions.

- Wire-to-wire, wire-to-board and board-to-board options available
- Suitable for currents from 1A to 300A

Temp-Flex™ Specialty Cables

Temp-Flex cables are ideal to withstand high temperatures, high flexure, abrasives and corrosive chemicals.

- Cables are available in wire sizes from 50 to 26 AWG with insulations predominantly built from extruded fluoropolymer, a Teflon® alternative, concentrating on thin walls and faster speeds
- Available as low loss microwave and RF cables, Twin-ax cables, also in ribbon format, composite cables, intermittent and FEP flat ribbon cables
- Customised cables are available in short lengths

Harsh Environment Gigabit Ethernet Products

Our Ethernet/IP cordsets are a smart option for reliable connections to Ethernet devices in harsh environments.

- Connectors are available with integrated data lines and power supplies for lower installation costs

LED Packaging Solutions

Our advanced LED PCB assemblies, copper flex and polyester or polyimide circuitry products with bonded LEDs are ideal to optimise application costs and lighting performance.

- Copper flex and polyester or polyimide circuitry are durable, lightweight and low profile options providing design flexibility in tight spaces

Customer Convenience Ports (CCP)

Customer Convenience Port Modules provide an innovative I/O solution for high-speed audio and video connections.

- Multiple I/O port connection types possible such as USB, HDMI, SD Memory Cards, Auxiliary and RCA Jack inputs
- CCPs can be integrated in data bus technologies like various USB types and LVDS

Control Panel Assemblies

Molex provides fully integrated low-profile control-panel interfaces including active and passive components

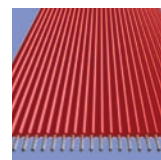
- Our advanced capacitive-sensing technology offers a big variety of layouts, cosmetic overlays and switch formats



High-density Circular MT and Array Assemblies



Micro-Fit™ Power Connectors



Temp-Flex™ FEP Flat Ribbon Cable



Ruggedised Ethernet Cordsets



LED PCB Assembly



Customer Convenience Port (CCP)



Control Panel Assembly

And many others... www.molex.com/industry/military.html