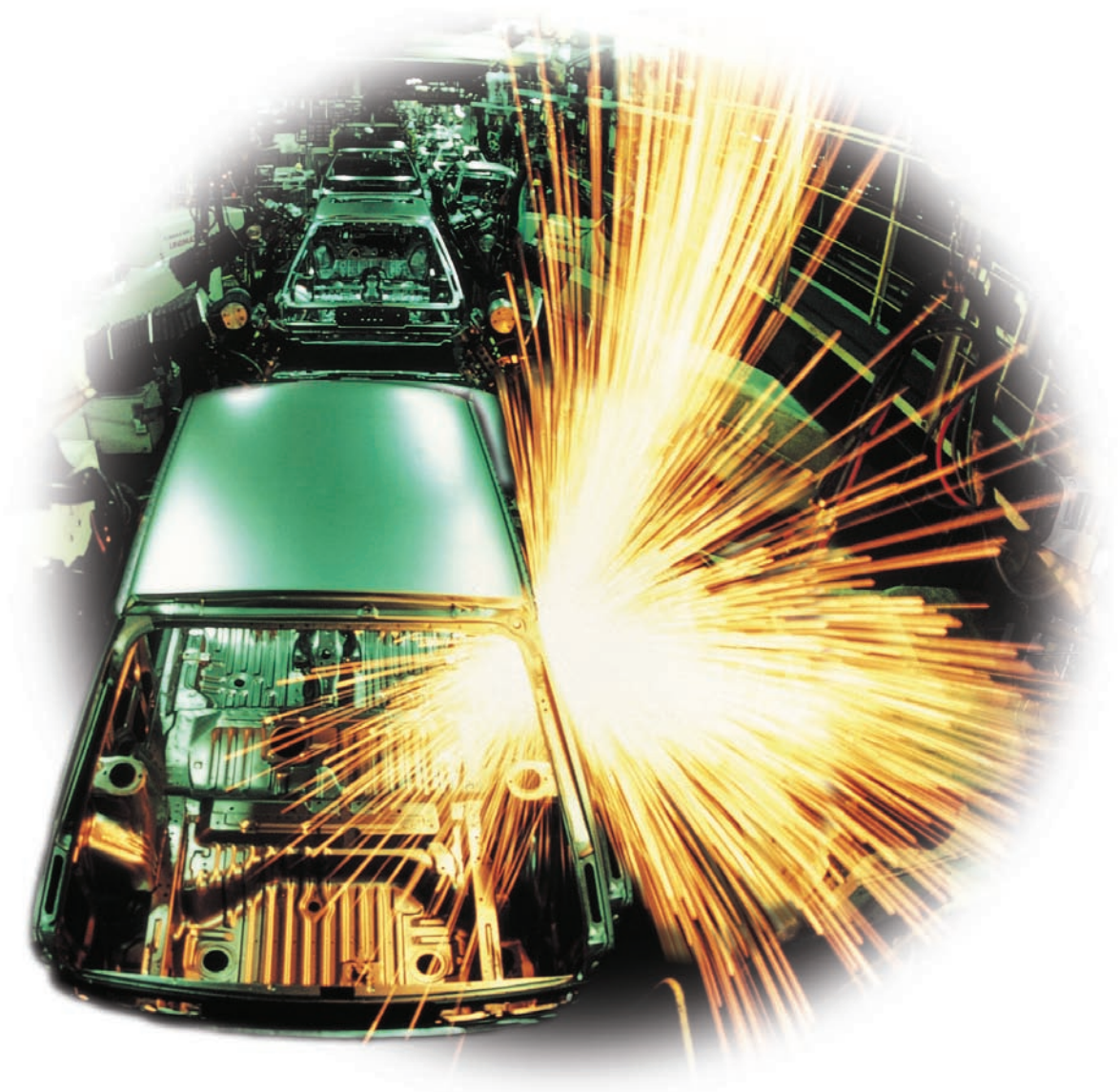
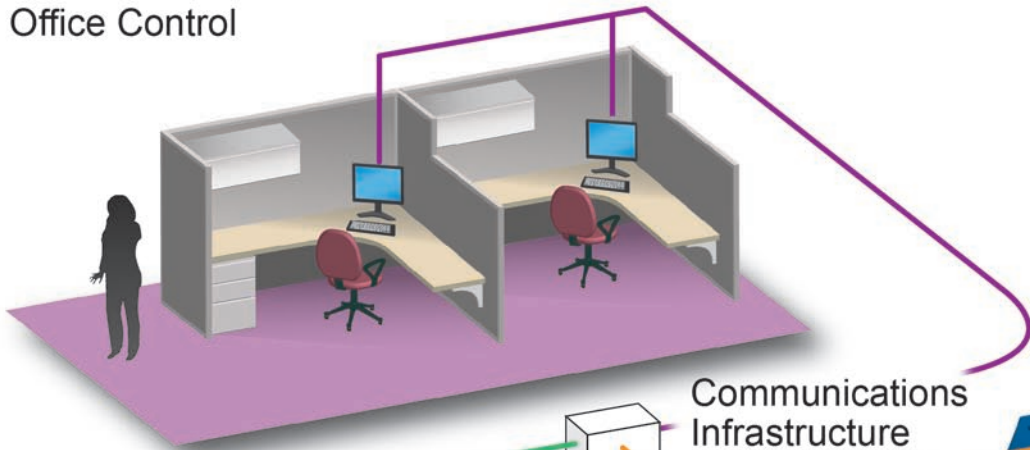


Connectivity Solutions for Industrial Automation



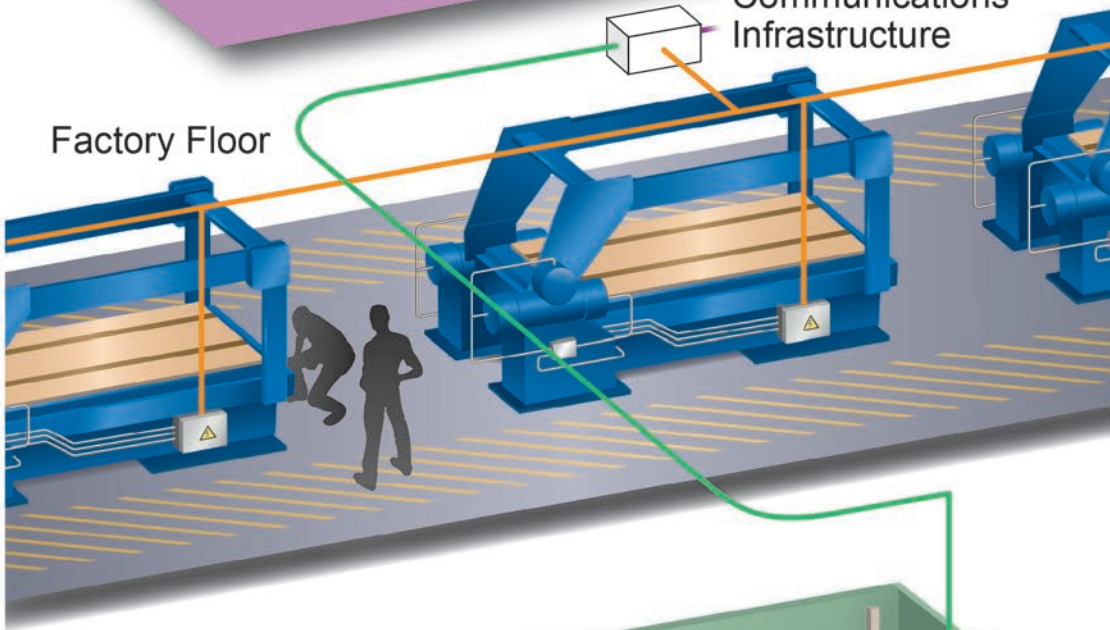
molex[®]
one company > a world of innovation

Office Control



Communications Infrastructure

Factory Floor



Factory Control



Connectivity Solutions for Industrial Automation



BradCommunications™
Diagnostic Products



BradCommunications™
SST-DC100 DeviceNet
Interface Card



BradCommunications™
Ethernet Switches



Brad® Ethernet Products



BradConnectivity™ PROFIBUS
Cordsets

Office Control

BradCommunications™ – SNMP Diagnostics Tools

Real-time analysis & network performance management gathers and analyzes data from any SNMP agent device. Capability as SNMP agent for higher-level diagnostics applications; provides network view and control from your HMI interface.

BradCommunications™ – PC Connectivity

PCI, PC/104 and USB network interface cards connect computers to industrial networks, allowing your PC to be used to commission, troubleshoot and diagnose field bus networks. Collects and displays information through a SCADA or HMI interface.

Input/Output Connectors

Molex is a market leader of I/O interconnects for industry standards as well as proprietary solutions. For demanding industrial I/O applications, leverage our expertise in termination, shielding, signal integrity and other key aspects for a reliable I/O solution.

Communications Infrastructure

Brad® – Network Communications Solutions

Engineered to facilitate reliable information flow from machines to PCs and PLCs. Product lines include network interfaces, PLC communication modules and simulation software. Network interfaces include PCI, PC/104 and USB formats. I/O simulation software allows for testing, validation and training of the system before going "live".

BradCommunications™ – Industrial Ethernet Switches

Complete family of Industrial Ethernet Switches for managed and unmanaged applications. Deterministic delivery of time-critical information in in-cabinet and harsh duty formats.

BradConnectivity™ – Network Media

Network Media connectors and cordsets are developed specifically for harsh environments found in applications where dedicated point-to-point wiring systems and networks are used. Network Media supports a broad range of different protocols such as PROFIBUS, Device Net and Industrial Ethernet.

The BradConnectivity Ultra-Lock™ connection system provides a fast, simple and secure connection when performance and reliability are critical.



Factory Control

Terminal Blocks

Molex offers a wide variety of terminal blocks. Our selection includes the most complete line of 600V PCB high power Eurostyle Terminal Blocks in the industry with a range of 20.0A to 115.0A.

Wire-to-Board/Wire-to-Wire Connectors

Multiple product families cover a broad range of packaging requirements. Pitches range from 0.4 mm to 5.08 mm

Board-to-Board and FFC/FPC Connectors

Several product families provide proven reliability for high-density, microminiaturized applications.

Board-to-Board pitches range from 0.4 to 2.54 mm.

FFC/FPC pitches range from 0.3 to 1.5 mm.

BradConnectivity™ – Passive I/O Modules

BradConnectivity Multi-port Interconnection Systems (MPIS) provide a simple, efficient means of consolidating wiring with a control system. High-density input or output connections in machine tool and electrical products fabrication, packaging machinery and valve banks. MPIS boxes are ideal for machinery and harsh environment applications like outside lighting, rail cars and offshore oil rigs.

BradCommunications™ – Embedded Interfaces

Provide OEMs with an effective solution for integrating networking capabilities into their devices.

Solution includes protocol stack software toolkits, reloadable FPGA chipset images and interchangeable daughter cards.

Lower development costs and faster time to an expanded market.

BradCommunications™ – Multi Protocol Gateways

Configurable stand-alone smart gateways that allow based controllers to communicate and interoperate simultaneously with each other. Allow simultaneous communication between industrial devices (PLC, SCADA etc.) using up to 20 different Ethernet, PROFIBUS, DeviceNet and serial protocols.

BradCommunications™ – Safety Solutions

The BradCommunications range of safety solutions supports your safety needs from product development through to certification.

Increase production uptime through intelligent zone control.

Decrease infrastructure costs – safety and control networks reside on the same wiring.

Enhance diagnostics and troubleshooting capability.



Terminal Blocks



EZ-Conn™



Commercial Micro D



FFC Connectors



SD Cards

Backpanel Connector Systems

Multiple offerings to cover a broad range of speed, bandwidth and density requirements. Molex has experts in signal integrity and mechanical packaging to help custom-design your layout.

Fiber-Optic, RF Connectors and Adapters

Molex is a leading supplier of fiber-optic connectors and coaxial interconnect products.

Power Connectors

Molex offers a complete and versatile assortment of power interconnect solutions for industrial electronic applications. It has current ratings of up to 115 A per circuit, many different configurations and sealed power connectors.

Memory Card Connectors

Molex is a market leader in memory card interconnects for industry-standard applications.

Customized Solutions

When it comes to investing in research and development, Molex is an industry leader. We know that by leveraging our internal product technology, we can drive a continuous supply of innovation directly to you. If you are faced with a specific challenge that cannot be solved through our existing portfolio of connectors and integrated products, then let's work together and meet this challenge.

Cable Assemblies/Harness

Add value to your Molex connector selections through our custom-designed and manufactured cable assemblies and harness assemblies. Leverage our expertise in mechanical and process engineering, electrical characterization and testing.

Membrane Switches/Front Panels

Used in front-panel applications, these are lightweight, low profile and extremely resistant to shock and vibration. They perform exceptionally well in industrial applications where durability is essential. Our capabilities range from simple printed flex circuits to complex control-panel assemblies.



Sabre™



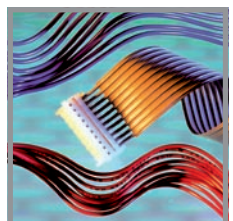
High Power Terminal Blocks



Modular Jacks with LED



MicroFit 3.0™



KK® Connectors

Factory Floor

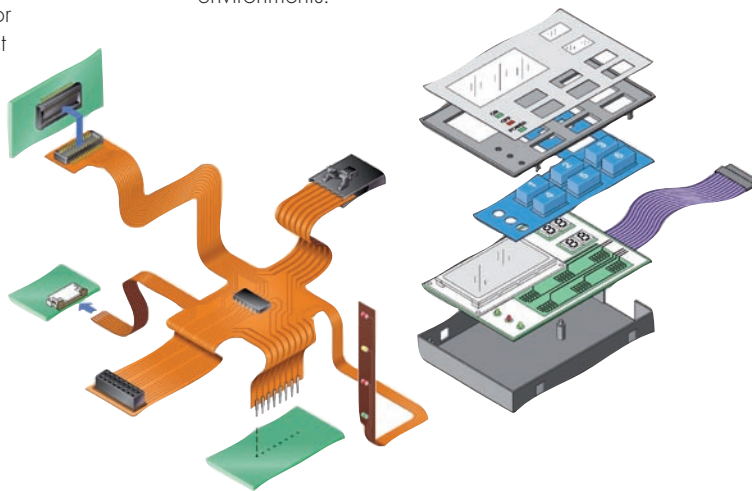
BradConnectivity™ – Passive Media

BradConnectivity connectors, cordsets and distribution boxes for sensor and actuator applications are designed to meet our customers' stringent requirements for reliability and performance in the harshest of industrial environments.

- Nano-Change (M8) Connectivity offers the industry's broadest selection of spacesaving cordsets, receptacles, inserts, splitters and molded junction boxes.
- Molded Micro-Change (M12) Connectivity provides compact migration towards soft-wiring solutions. These industry standard connectors are available in single and dual keyways for a myriad of network and I/O applications.
- Mini-Change Connectivity is a quick-disconnect alternative to hard-wiring commonly used with 18 and 30 mm proximity switches, photoelectric sensors and limit switches as well as for network/O-power connection.
- The innovative Ultra-Lock (M12) fast connection system provides a fast, simple and secure connection when performance and reliability are critical.

Copper Flex-Circuit Assemblies

The Molex flex product line offers an array of printed circuit products that deliver exceptional space and weight reduction while improving speed integrity. Copper flex offers thin, dense, versatile and reliable packaging for increasingly complex and compact industrial devices. Molex offers single-sided, double-sided, multi-layer (up to 20 layers) and rigid flex product capability.



BradPower™ – Modular Power System

BradPower replaces machine hard wiring with a modular, quick-connect power system comprised of crush-resistant, pre-wired cordsets and factory-molded connectors. This power distribution system is robust, scalable and easy to install.

BradConnectivity™ – mPm DIN connectors

Large selection of DIN field-attachable, molded DIN and DIN accessories which include lighted DIN and DIN accessories which include lighted DIN adaptors/surge protectors for various DIN valve designs. Valves, solenoid pressure flow switches or coils can be brought into a single industrial-rated junction box for a complete plug-and-play solution.

BradControl – Network I/O Modules

Ideal solution for applications where in-cabinet mounting, high-density I/O count and modular design are required.

- Provides a reliable solution for connecting industrial controllers communicating on industrial networks to I/O devices.
- In-cabinet solution provides a comprehensive selection of digital and analog I/O modules
- On-Machine I/O modules connecting industrial controllers communicating on industrial field buses such as AS-Interface, DeviceNet, Ethernet or PROFIBUS to I/O devices in harsh environments.



Nano-Change® (M8) Cordsets



Micro-Change® (M12) Cordsets



BradConnectivity™ DeviceNet Cordsets



BradConnectivity™ mPm® Over-molded DIN Connectors

Empowering the Industrial Infrastructure

Molex manufactures some of the most innovative and reliable interconnect products in the world. Our broad portfolio, combined with our comprehensive expertise, provides unlimited possibilities for applications in the industrial market.

We “Empowering the Industrial Infrastructure” with innovative communication, control and connectivity solutions for a wide range of industrial applications. From the device and sensor level to the operations and supervisory level to connectivity with enterprise business and operations systems. Our automation and networking solutions are engineered to facilitate reliable information flow from machines to PCs and PLCs, all the way from office control to the factory floor.

Our reputation for quality and performance starts at the plant floor. Molex is committed to remain at the forefront as industrial automation technologies continue to improve the consistency, quality and cost of products manufactured throughout the world. To stay ahead of the game, market leaders are focused on increasing productivity through reduced downtime, reduced maintenance and higher output. No other company offers more connectivity products specifically designed for performance and reliability. As a result, many of our industrial connectivity products have become the industry standard in automation solutions.

Our commitment to customers has always been our primary focus. Our drive to continually improve is demonstrated by the evolution of our structure. We now provide seamless global service, including design, manufacture and sales, throughout the world. We strive to achieve zero-defect quality by committing to lean management and Six Sigma principles.

We also understand that you may face challenges requiring additional innovation. That’s why Molex also offers integrated and custom solutions.

Whether you are on the other side of the globe or just around the corner, we can assist you in reaching all of your design goals – with exceptional quality and efficiency.

With our broad capabilities and strong customer focus, we believe that Molex is uniquely positioned to fulfill the needs of our customers.

Why customers choose Molex

- Industry leader in interconnection systems
- Broad product line of 100,000+ products
- Financial strength and stability
- Global business and technical system (SAP&CAD)
- Global capabilities/local resources
- Diversification by market and geography
- Customer commitment
- Speed and ease of doing business
- Technology leadership
- Continuous development of new products
- Our employees



