Today’s buildings are becoming increasingly efficient and connected; our experts in commercial buildings equipment can partner with you to solve your connectivity challenges. We link power and data on every floor of the building — from environmental and illumination controls, to safety, people flow, convenience, and service equipment. Together, we can deliver greater control and more comfortable living and working spaces.
### WIRE-TO-BOARD & FLEX

- **TE offers an extremely broad array of products for your wire-to-board and flex connections.**

- **AMP CT & Mini CT Connectors**
  - With broad industry usage these handy connectors feature both crimp and IDC style interconnects with many header options.

- **Flat Flexible Cable (FFC)**
  - Crimp style flex connection for FFC, FEC and FPC cable. Our reliable designs offer many housing options and leading application tooling.

- **AMP-LATCH Connectors**
  - Proven ribbon cable solution for connecting boards or subsystems to each other.

- **Universal MATE-N-LOK Wire Connectors**
  - The connector features positive latching to prevent unmating.

### SIGNAL AND SHIELDING

- **Antenna performance, reliability, and durability are essential for smooth building operations.**

- **Embedded Antennas**
  - A range of products supporting low profile wireless connectivity for 4G and 5 GHz Wi-Fi applications.

- **Spring Fingers**
  - Tiny, scalable, surface mountable contacts allow designers to fit grounding solutions almost anywhere.

- **Board Level Shielding (BLS)**
  - EMI shields that minimize crosstalk in tightly designed multi-signal systems.

- **Corcom Three Phase EMI Power Filters**
  - A 3-Phase filter reduces unwanted (EMI) noise within the conducted area of electromagnetic susceptibility.

### EASY INSTALL

- **Smart buildings need smart connections that are easy to install and maintain.**

- **CoolSplice**
  - Help eliminate the need to pre-strip the insulation from the wire conductors and provide a visually controlled termination.

- **Releasable Poke-in-Wire**
  - Features an integral conductor release mechanism recessed below the top side of the connector.

- **LED Holders**
  - Solderless holders give fixture designers an easier way to integrate LEDs.

### BOARD-TO-BOARD

- **TE's free height surface-mount connectors address today’s industry requirements for high density packaging.**

- **Free Height**
  - These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards.

- **M.2 NGFF Connectors**
  - Save more than 20% of PCB real estate compared to the PCI Express mini card.

### POWER

- **From internal to external power interconnects, TE keeps your power flowing.**

- **NECTOR Power Distribution**
  - Provides the industry with increased design flexibility that seamlessly integrates into new and existing designs.

- **Mobile Battery Connectors**
  - Balance current carrying capabilities, ensure higher amps, and support fast charging times with a range of solutions.

### INPUT/OUTPUT (I/O)

- **Transmit audio and video data quickly and securely throughout your building.**

- **A/V Connectivity**
  - Deliver high quality video and other communications with reliable I/O jacks.

- **Modular Jack**
  - Our broad range of modular I/O jacks and plugs offer reliable and space-saving options.

### SENSORS

- **State-of-the-art measurement solutions for increased control.**

- **Humidity Sensors**
  - Maintain optimal and efficient environments for people and equipment.

- **Position Sensors**
  - Energy-efficient miniature rotary and linear position encoding.
As industry requirements are evolving to more flexible, reconfigurable production machinery and factory systems, we provide the important connectivity solutions to get you there. We offer interconnects for signal, data and power appropriate for use in a broad range of operating environments, from commercial to light and heavy industrial applications.
## INDUSTRIAL CONTROL SYSTEMS

### POWER
From internal and semi-internal to external power interconnects, we keep power flowing

- **CROWN CLIP Bus Bar Connectors**
  - Offers low insertion/extraction force for high-current mating directly to a power bus bar

- **Pluggable Bus Bar Connectors**
  - Available in board-to-busbar, wire-to-busbar and board-to-board configurations. Provides a separable connection easy assembly, inspection and troubleshooting.

- **RAPID LOCK Bus Bar Connectors**
  - No install tools required for this fast, reliable replacement for power lugs

### WIRE-TO-BOARD
We offer a broad array of products for your wire-to-board requirements

- **AMP-LATCH Connectors**
  - Proven ribbon cable solution for connecting boards or subsystems to each other

- **ELCON Mini Connectors**
  - Low profile solutions with up to 40A per contact and positive latch retention for cable-to-PCB applications

- **ELCON Drawer Connectors**
  - High power hot-pluggable, blindmate power connectors with power, signal and logic contacts in numerous sizes up to 200A per contact

- **MULTI-BEAM XLE Connectors**
  - This hot-pluggable series is a space saver with slim guide sockets and vented housing for better heat dissipation

- **SFP/SFP+ Connectors**
  - SFP+ interconnects support data rates of 10 Gbps and are backward compatible with SFP.

- **SFP+ interconnects**
  - Interconnects between integrated circuits (ICs) with contact counts ranging from 6 to 48

- **Mini CT Connectors**
  - 1.5mm centerline connectors feature both crimp and IDC style interconnects with many header options

### BOARD-TO-BOARD
Excellent signal integrity mitigates negative effects of electrical noise

- **Free Height Connectors**
  - These versatile connectors are useful for downsizing applications that require parallel stacked circuit boards

- **MECCO Connectors**
  - Our broad range of modular I/O jacks and plugs offer reliable and space-saving solutions

- **STRADA Mesa Connectors**
  - Mezzanine connectors with a pin and socket signal contact design and integrated power contacts

- **High Speed Backplane Connectors**
  - Portfolio provides flexibility to address increasing bandwidth demands and higher performance

### INPUT/OUTPUT (I/O)
Product satisfaction depends on reliable I/O connectivity

- **AMPLIMITE D-Sub Connectors**
  - A complete range of quality, time-tested D-subminiature connectors that have become the standard in the industry

- **RJ45 Connectors**
  - Our broad range of modular I/O jacks and plugs offer reliable and space-saving solutions

- **USB Type-C Connectors**
  - Universal and user-friendly, USB Type-C features a reversible mating interface. Can transfer data up to 10 Gbps, power up to 100W and A/V in a single slim connection

### SOCKETS
Reliable connections to ICs and memory modules

- **DIP Sockets**
  - Provide a reliable connection to ICs and memory modules

- **DIMM Sockets**
  - Dual in-line memory module sockets designed to JEDEC industry standards. Enable reliable connection to standard memory modules

- **SFP/SFP+ Connectors**
  - Interconnects between integrated circuits (ICs) with contact counts ranging from 6 to 48

- **Pluggable I/O Cable Assemblies**
  - Supporting the latest high speed standards, these products are engineered for 10-25 Gbps and beyond

- **USB Type-C Connectors**
  - Universal and user-friendly, USB Type-C features a reversible mating interface. Can transfer data up to 10 Gbps, power up to 100W and A/V in a single slim connection

### CABLE & CABLE ASSEMBLIES
Supporting the latest standards for 10-25 Gbps and beyond. Custom solutions available.

- **SFP/SFP+ Connectors**
  - Interconnects between integrated circuits (ICs) with contact counts ranging from 6 to 48

- **Pluggable I/O Cable Assemblies**
  - Supporting the latest high speed standards, these products are engineered for 10-25 Gbps and beyond

- **Bulk Cable**
  - Specialty cables custom-engineered for precision signal integrity and harsh environments

- **ELCON Mini Cable Assemblies**
  - These power cable assemblies come in standard or high-flex designs for easier routability

*High speed backplane connectors include Z-PACK 2mm HM, Z-PACK HM-2kd, Z-PACK TinMan, Impact, Z-PACK Slim UHD, STRADA Whisper

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LIGHTING EQUIPMENT

BRING YOUR BRIGHTEST IDEAS TO LIFE

Our wire-to-board, input/output, antenna and shielding solutions are easily integrated into whole-home or -building lighting systems. Our easy to terminate connectors provide power or signal transmission for indoor lighting fixtures while our antenna solutions are enabling the connected, smart lighting systems of the future.
**LIGHTING EQUIPMENT**

**WIRE-TO-BOARD**

We offer a broad array of products for your wire-to-board requirements

- **Common Termination (CT) Connectors**
  2mm centerline connectors feature both crimp and IDC style interconnects with many header options

- **Mini CT Connectors**
  1.5mm centerline connectors feature both crimp and IDC style interconnects with many header options

- **AMP-LATCH Connectors**
  Quick, reliable wire-to-board connections without stripping or prepping wires

- **Flexible Printed Circuit (FPC) Connectors**
  Space saving solutions for signal routing. Available in 0.25 to 1.25mm centerlines in both ZIF and non ZIF styles.

- **High Performance Interconnects (HPI)**
  Industry standard square-peg technology in single- and dual row post headers available in various pitches and colors

**ANTENNAS & SHIELDING**

Antenna performance, reliability, and durability are essential

- **Embedded Antennas**
  A range of products supporting low profile wireless connectivity for 4G and 5 GHz Wi-Fi applications

- **Spring Fingers**
  Tiny, scalable, surface mountable contacts allow designers to fit grounding solutions in most places

- **Board Level Shielding (BLS)**
  EMI shields that minimize crosstalk in tightly designed multi-signal systems

**INPUT/OUTPUT (I/O)**

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- **RJ45 Connectors**
  Our broad range of modular I/O jacks and plugs offer reliable and space-saving solutions

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