Stay ahead of the trends for increased building intelligence with our proven interconnect solutions. Our products can:

- help you add or expand device intelligence
- bring power and increased data bandwidth to end point devices
- extend the performance and range of end device communication to the network.

Whether you’re designing a fire detection, video surveillance or access control system, we offer the right solutions to help accelerate your path to market.
## BUILDING SAFETY & SECURITY

### INPUT/OUTPUT (I/O) & CABLE ASSEMBLIES

**Product satisfaction depends on reliable I/O and cable assembly connectivity**

<table>
<thead>
<tr>
<th><strong>HDMI Connectors</strong></th>
<th><strong>RJ45 Connectors</strong></th>
<th><strong>Common Termination (CT) Connectors</strong></th>
<th><strong>Mini CT Connectors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital audio and video in one popular format available with full shielding for ESD protection</td>
<td>Our broad range of modular I/O jacks and plugs offer reliable and space-saving solutions</td>
<td>2mm centerline connectors feature both crimp and IDC style interconnects with many header options</td>
<td>1.5mm centerline connectors feature both crimp and IDC style interconnects with many header options</td>
</tr>
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<tr>
<th><strong>USB Connectors</strong></th>
<th><strong>Multimedia Cable Assemblies</strong></th>
<th><strong>High Performance Interconnects (HPI)</strong></th>
<th><strong>Flexible Printed Circuit (FPC) Connectors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal and user-friendly, TE offers micro USB, USB 3.0, and the high-power and reversible USB Type-C solutions</td>
<td>From DVI and HDMI, to DisplayPort and USB, we support the latest high-speed standards</td>
<td>Industry standard square-peg technology in single- and dual row post headers available in various pitches and colors</td>
<td>Space saving solutions for signal routing. Available in 0.25 to 1.25mm centerlines in both ZIF and non ZIF styles.</td>
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<tr>
<th><strong>Bulk Cable</strong></th>
<th><strong>DIP Sockets</strong></th>
<th><strong>Mini Spring Sockets</strong></th>
<th><strong>Battery Connectors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialty cables custom-engineered for precision signal integrity and harsh environments</td>
<td>Provide a reliable connection between integrated circuits (ICs) and printed circuit boards (PCBs) with contact counts ranging from 6 to 48</td>
<td>A series of individual sockets provide low contact resistance with a low profile design for tighter board stacking and increased PCB clearance</td>
<td>Balance current carrying capabilities, provide higher amps, and support fast charging times with a range of solutions</td>
</tr>
</tbody>
</table>

### ANTENNAS

**Antenna performance, reliability and durability are essential**

<table>
<thead>
<tr>
<th><strong>Embedded Antennas</strong></th>
<th><strong>Free Height Connectors</strong></th>
<th><strong>Battery Connectors</strong></th>
<th><strong>Spring Fingers</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>A range of products supporting low profile wireless connectivity for 4G and 5 GHz Wi-Fi applications</td>
<td>These versatile connectors may be useful for downsizing applications that require parallel stacked circuit boards</td>
<td>Balance current carrying capabilities, provide higher amps, and support fast charging times with a range of solutions</td>
<td>Tiny, scalable, surface mountable contacts allow designers to fit grounding solutions in most places</td>
</tr>
</tbody>
</table>

### BOARD-TO-BOARD

**Excellent signal integrity mitigates negative effects of electrical noise**

<table>
<thead>
<tr>
<th><strong>Multimedia Cable Assemblies</strong></th>
<th><strong>High Performance Interconnects (HPI)</strong></th>
<th><strong>Flexible Printed Circuit (FPC) Connectors</strong></th>
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### POWER & GROUNDING

**Our miniaturized solutions help reduce and control the effect of EMI in complex systems**

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<tr>
<th><strong>Battery Connectors</strong></th>
<th><strong>Spring Fingers</strong></th>
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</table>

### CARD & SOCKET

**From IC sockets to SD cards, we make it easy to get connected and process, share or store data**

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<th><strong>DIP Sockets</strong></th>
<th><strong>DIMM Sockets</strong></th>
<th><strong>Mini Spring Sockets</strong></th>
<th><strong>SD Card Connectors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide a reliable connection between integrated circuits (ICs) and printed circuit boards (PCBs) with contact counts ranging from 6 to 48</td>
<td>Dual in-line memory module sockets design to JEDEC industry standards. Enable reliable connection to standard memory modules</td>
<td>A series of individual sockets provide low contact resistance with a low profile design for tighter board stacking and increased PCB clearance</td>
<td>Standard, micro, or micro/SIM combos with available push/push and push/pull matings</td>
</tr>
</tbody>
</table>

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TE Connectivity, TE and TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies. Other logos, product and company names mentioned herein may be trademarks of their respective owners.
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.

### 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.

### 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.

### 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.

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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

**CROWN CLIP Bus Bar Connectors**
- Offers a 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-boardbar 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

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

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

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

### BOARD-TO-BOARD

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

**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, blind-mate 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.

### INPUT/OUTPUT (I/O)

**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.

### SOCKETS

**DIP Sockets**
- Provide a reliable connection between integrated circuits (ICs) with contact counts ranging from 6 to 48.

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

### CABLE & CABLE ASSEMBLIES

**Supporting the latest standards for 10-25 Gbps and beyond. Custom solutions available.**

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

**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.

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

### Additional Information

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

*Product satisfaction depends on reliable I/O connectivity.

*RELIABLE CONNECTIONS TO ICS AND MEMORY MODULES*
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

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Antenna performance, reliability, and durability are essential

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