



# INDUSTRIAL CONTROL SYSTEMS

## RELIABLE, QUICK-TO-INSTALL AND INDUSTRY-PROVEN COMPONENTS

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.

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# INDUSTRIAL CONTROL SYSTEMS

## POWER

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

### 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-busbar 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



### 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



## 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



### 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



### High Performance Interconnects (HPI)

Industry standard square-peg technology in single- and dual row post headers available in various pitches and colors



### Flat Flexible Cable (FFC) Connectors

Crimp style flex connection for FFC, FEC and FPC cable. Our reliable designs offer many housing options and leading application tooling.



## 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



### MICTOR 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



### SFP/SFP+ Connectors

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



### 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 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.

### Pluggable I/O Cable Assemblies

Supporting the latest high speed standards, these products are engineered for 10-25 Gbps and beyond



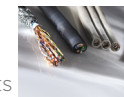
### ELCON Mini Cable Assemblies

These power cable assemblies come in standard or high-flex designs for easier routability



### Bulk Cable

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



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



## 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.

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# 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



### High Performance Interconnects (HPI)

Industry standard square-peg technology in single- and dual row post headers available in various pitches and colors



### 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.



## 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)

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



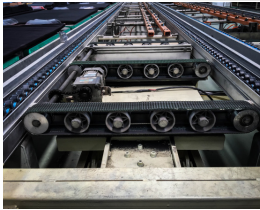
### RJ45 Connectors

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





# INDUSTRIAL MOTION AND DRIVES



## YOUR PARTNER IN AUTOMATION

TE Connectivity (TE) is your motion and drives solution provider for all of your electromechanical and electronic component needs. TE's product solutions support professional decentralization within your production facility making it easier to simplify or retrofit your machine architecture, save power and reduce applied cost while increasing system reliability and productivity.

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# INDUSTRIAL MOTION AND DRIVES

## 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



### Z-PACK Slim UHD Connectors

Designed to be among the densest connectors with the smallest possible footprint to free up valuable PCB space



### DIP Sockets

Provide a reliable connection between integrated circuits (ICs) with contact counts ranging from 6 to 48



### DIMM Sockets 5G

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



## WIRE-TO-BOARD

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### USB Type-C Connectors 5G

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



### SFP/SFP+ Connectors 5G

SFP+ interconnects support data rates of 10 Gbps signal speeds and are backward compatible with SFP



## INPUT/OUTPUT (I/O)

Product satisfaction depends on reliable I/O connectivity

## CABLE & CABLE ASSEMBLIES

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

### Pluggable I/O Cable Assemblies 5G

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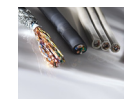
### ELCON Mini Cable Assemblies 5G

These power cable assemblies come in standard or high-flex designs for easier routability



### Bulk Cable

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



These solutions are helping to unlock the potential of 5G. Our portfolio of 5G solutions and capabilities address key challenges faced by design engineers around the world.\*

\* 5G ready solutions may vary within a product family. Please refer to te.com or contact your TE sales representative for additional information.

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## MATERIAL HANDLING



### RELIABLE, QUICK TO INSTALL, INDUSTRY-PROVEN PRODUCTS

TE Connectivity (TE) offers material handling solutions for all of your electromechanical and electronic component needs. Whether designing a prototype or retrofitting an existing system, TE's reliable, quick to install, and industry-proven innovative product solutions save on system maintenance costs and downtime.



# MATERIAL HANDLING

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### AMPLIMITE D-Sub Connectors

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

### USB Connectors

Universal and user-friendly, TE offers micro USB, USB 3.0, and the high-power and reversible USB Type-C solutions



### SFP/SFP+ Connectors

SFP+ interconnects support data rates of 10 Gbps signal speeds and are backward compatible with SFP



### RJ45 Connectors

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



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