

Save power and reduce applied cost while increasing system reliability and productivity

# TE offers solutions for all of your motion and drives needs.



# DESIGN NAVIGATOR

| Max Current Rating per Contact (A) <sup>1</sup> | Power & Signal Combined | Protection from EMI/RFI Noise | Speed & Determinism | High Vibration Performance | Thermal Performance | Quick Connect/ Disconnect | Miniaturization & Space Savings | Wire-to-Wire | Wire-to-Board | Board-to-Board | Standards |
|---|-------------------------|-------------------------------|---------------------|----------------------------|---------------------|---------------------------|---------------------------------|--------------|---------------|----------------|-----------|
|---|-------------------------|-------------------------------|---------------------|----------------------------|---------------------|---------------------------|---------------------------------|--------------|---------------|----------------|-----------|

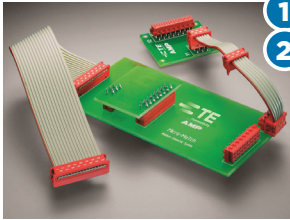
| 1 CONTROLLER / PLC SYSTEM   |                      |   |   |   |   |   |   |   |   |   |   |
|---|----------------------|---|---|---|---|---|---|---|---|---|---|
| <a href="#">AMPLIMITE D-Subminiature Connectors</a>   | 7.5                  | • | • | • | • |   | • |   | • |   | UL, CSA                                     |
| <a href="#">AMPMODU Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1-3                  |   |   |   |   | • |   | • | • | • | UL, CSA                                     |
| <a href="#">CHAMP Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1.0                  |   | • | • | • | • |   |   | • | • | UL, CSA, SCSI                               |
| <a href="#">DIMM Sockets</a>  | N/A                  | • | • | • | • |   |   |   |   |   | JEDEC, Industry*                            |
| <a href="#">DIP Switches</a>  | 0.1                  |   |   |   | • |   |   |   |   |   | N/A   |
| <a href="#">Dynamic Series Wire-Applied Connectors</a>  | 45                   |   |   | • | • | • |   |   | • | • | UL, CSA, TUV                                |
| <a href="#">Eurocard Board-to-Board &amp; Wire-to-Board Conn.</a>   | 1.5                  | • | • | • | • |   |   |   | • | • | DIN 41612 & EIC 60603-2                     |
| <a href="#">Free Height (FH) Board-to-Board Connectors</a>  | 1.0                  |   | • | • | • |   |   |   |   | • | UL  |
| <a href="#">Force Guided Relays</a>   | 8.0                  | • |   | • |   |   | • |   |   |   | UL, VDE, TUV, CQC, Industry*                |
| <a href="#">Industrial USB Connectors</a>   | 1.5                  |   |   | • | • | • |   |   | • |   | UL, CSA, Industry*                          |
| <a href="#">Micro-MaTch Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1.5                  |   |   |   | • | • |   |   | • | • | UL  |
| <a href="#">Overvoltage Circuit Protection Devices</a>  | N/A                  |   |   | • | • | • | • |   |   |   | UL, CSA, TUV                                |
| <a href="#">Precision Resistors</a>   | N/A                  |   |   |   | • |   |   | • |   |   | N/A   |
| <a href="#">Signal PCB Relays</a>   | 2.0                  |   |   |   |   |   |   | • |   |   | UL, VDE, TUV, CQC, Industry*                |
| <a href="#">Tactile Switches</a>  | 0.05                 |   |   |   | • |   |   | • |   |   | N/A   |
| <a href="#">Terminal Blocks &amp; Strips</a>  | 30                   |   |   |   | • |   |   |   | • |   | RU, CSA                                     |
| <a href="#">Z-STACK Board-to-Board Connectors</a>   | 0.3                  |   | • | • | • |   | • |   |   | • | UL  |
| 2 DRIVE UNIT  |                      |   |   |   |   |   |   |   |   |   |   |
| <a href="#">AMPLIMITE D-Subminiature Connectors</a>   | 7.5                  | • | • | • | • |   | • |   | • |   | UL, CSA                                     |
| <a href="#">AMPMODU Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1-3                  |   |   |   |   | • |   | • | • | • | UL, CSA                                     |
| <a href="#">CHAMP Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1.0                  |   | • | • | • | • |   |   | • | • | UL, CSA, SCSI                               |
| <a href="#">CLOUDSPLITTER Connector System</a>  | 1.5 signal 5.0 power | • |   |   |   | • |   | • |   |   | UL, cUL                                     |
| <a href="#">Dynamic Series Wire-Applied Connectors</a>  | 45                   |   |   |   | • | • |   |   | • | • | UL, CSA, TUV                                |
| <a href="#">Industrial Mini I/O Connector System</a>  | 0.5                  |   | • | • | • | • | • |   | • |   | Cat5e                                       |
| <a href="#">Industrial RJ45 Connectors</a>  | 0.5                  |   | • | • | • | • |   | • | • |   | UL, CSA, Cat5E, Cat6                        |
| <a href="#">Industrial USB Connectors</a>   | 1.5                  |   |   | • | • | • |   |   | • |   | UL, CSA, Industry*                          |
| <a href="#">Micro-MaTch Board-to-Board &amp; Wire-to-Board Conn.</a>  | 1.5                  |   |   |   | • | • |   |   | • | • | UL  |
| <a href="#">Overvoltage Circuit Protection Devices</a>  | N/A                  |   |   | • | • | • | • |   |   |   | UL, CSA, TUV                                |
| <a href="#">Precision Resistors</a>   | N/A                  |   |   |   | • |   |   | • |   |   | N/A   |
| <a href="#">Remote I/O Terminal System (RITS) Connectors</a>  | 3.0                  |   |   | • | • | • |   |   | • |   | UL  |
| <a href="#">Signal PCB Relays</a>   | 2.0                  |   |   |   |   |   | • |   |   |   | UL, VDE, TUV, CQC, Industry*                |
| 3 SYSTEM INTERFACE  |                      |   |   |   |   |   |   |   |   |   |   |
| <a href="#">AMP Power Series Wire-Applied Connectors</a>  | 275                  |   |   |   | • | • |   | • |   |   | UL, CSA                                     |
| <a href="#">Circuit Breakers</a>  | 0.2-50               |   |   | • |   |   | • |   |   |   | UL, CSA, VDE                                |
| <a href="#">Corcom Power Line Filters</a>   |                      |   |   |   |   |   |   |   |   |   | Refer to the table below for product detail |
| <a href="#">Customized Cable Assemblies<sup>2</sup></a>   | N/A                  | • | • | • | • | • |   | • | • |   | UL, CSA, VDE, Industry*                     |
| <a href="#">Identification &amp; Labeling</a>   | N/A                  |   |   |   |   | • |   |   |   |   | UL, CSA, Industry*                          |
| <a href="#">Panel Mount Relays</a>  | 16                   |   |   |   | • | • |   |   |   |   | UL, CSA, VDE                                |
| <a href="#">Power Triple Lock (PTL) Wire-Applied Connectors</a>   | 20                   |   |   |   | • | • |   | • |   |   | UL, CSA, GWI                                |
| <a href="#">Switches</a>  | 20                   | • |   |   | • | • |   |   |   |   | UR, UL, CSA, VDDE                           |
| <a href="#">Terminal Blocks &amp; Strips</a>  | 30                   |   |   |   | • |   |   |   | • |   | RU, CSA                                     |
| <a href="#">Terminals &amp; Splices</a>   | 30                   |   |   |   | • | • |   |   | • | • | UL, CSA, Industry*                          |
| <a href="#">Universal MATE-N-LOK Wire-Applied Connectors</a>  | 19                   |   |   |   | • | • | • | • | • | • | RU, CSA, UL, VDE                            |
| 4 I/O (INPUT / OUTPUT)  |                      |   |   |   |   |   |   |   |   |   |   |
| <a href="#">Circular Plastic Connectors (CPC)</a>   | 60                   | • |   |   | • | • |   | • | • | • | UL, CSA, VDE                                |
| <a href="#">Customized Cable Assemblies<sup>2</sup></a>   | N/A                  | • | • | • | • | • |   | • | • |   | UL, CSA, VDE, Industry*                     |
| <a href="#">Heavy Duty Connectors (HDC)</a>   | 300                  | • | • | • | • | • |   | • | • |   | UL, CSA, SEV, VDE, DIN                      |
| <a href="#">Identification &amp; Labeling</a>   | N/A                  |   |   |   |   | • |   |   |   |   | UL, CSA, Industry*                          |
| <a href="#">Industrial Ethernet Switches</a>  | 0.5                  |   | • | • | • | • | • |   |   |   | UL, CSA                                     |
| <a href="#">Industrial RJ45 Connectors</a>  | 0.5                  |   | • | • | • | • |   | • | • |   | UL, CSA, Cat5e, Cat6                        |
| <a href="#">M8/M12 Connector System</a>   | 5.0                  |   | • | • | • | • | • | • | • |   | UL, CSA                                     |
| 5 HMI / DISPLAY & CONTROL UNIT  |                      |   |   |   |   |   |   |   |   |   |   |
| Refer to the Innovative Solutions for Industrial Control Guide (document number 6-1773462-6) for information on products included in this subsystem |                      |   |   |   |   |   |   |   |   |   |   |
| 6 MOTOR   |                      |   |   |   |   |   |   |   |   |   |   |
| <a href="#">Circular Plastic Connectors (CPC)</a>   | 60                   | • |   |   | • | • |   | • | • | • | UL, CSA, VDE                                |
| <a href="#">CLOUDSPLITTER Connector System</a>  | 1.5 signal 5.0 power | • |   |   |   | • |   | • |   |   | UL, cUL                                     |
| <a href="#">Customized Cable Assemblies<sup>2</sup></a>   | N/A                  | • | • | • | • | • |   | • | • |   | UL, CSA, VDE, Industry*                     |
| <a href="#">Hall Sensors / Resolvers</a>  | N/A                  |   |   |   | • | • |   |   |   |   | N/A   |
| <a href="#">Heavy Duty Connectors (HDC)</a>   | 300                  | • | • | • | • | • |   | • | • |   | UL, CSA, SEV, VDE, DIN                      |
| <a href="#">Industrial RJ45 Connectors</a>  | 0.5                  |   | • | • | • | • |   | • | • |   | UL, CSA, Cat5e, Cat6                        |
| <a href="#">MAG-MATE Terminals</a>  | N/A                  |   |   |   | • | • |   |   | • |   | UL  |
| <a href="#">Motorman Hybrid I/O Connectors</a>  | 20                   | • | • |   |   | • | • |   | • |   | UL, CSA, VDE, Cat5e                         |
| <a href="#">Power Resistors</a>   | N/A                  |   |   |   |   | • |   | • |   |   | N/A   |
| <a href="#">Universal MATE-N-LOK Wire-Applied Connectors</a>  | 19                   |   |   |   | • | • | • | • | • | • | RU, CSA, UL, VDE                            |
| 7 SENSING DEVICE  |                      |   |   |   |   |   |   |   |   |   |   |
| <a href="#">Circular Plastic Connectors (CPC)</a>   | 60                   | • |   |   | • | • |   | • | • | • | UL, CSA, VDE                                |
| <a href="#">CLOUDSPLITTER Connector System</a>  | 1.5 signal 5.0 power | • |   |   |   | • |   | • |   |   | UL, cUL                                     |
| <a href="#">Hall Sensors / Resolvers</a>  | N/A                  |   |   |   | • | • |   |   |   |   | N/A   |
| <a href="#">M8/M12 Connector System</a>   | 5.0                  |   | • | • | • | • | • | • | • |   | UL, CSA                                     |
| <a href="#">ARISO Contactless Connectivity</a>  | 0.5                  | • |   |   | • | • | • | • | • |   | CE  |

| CORCOM EMI/RFI POWER LINE FILTERS |              |                                     |                               |              |
|-----------------------------------|--------------|-------------------------------------|-------------------------------|--------------|
| Series                            | Type         | Rated Current / Voltage (max)       | Agency Approvals              |              |
| <a href="#">FC Series</a>         | Single Phase | RFI Filter for Frequency Converters | 6 - 50A / 250 VAC             | UL           |
| <a href="#">K Series</a>          |              | General Purpose RFI Filter          | 1 - 60A / 250 VAC             | UL, CSA, VDE |
| <a href="#">AYC Series</a>        | Three Phase  | WYE or Delta RFI Power Line Filter  | 16 - 200A / 480 VAC / 277 VAC | UL           |
| <a href="#">BCF Series</a>        |              | Compact Delta RFI Filter            | 7 - 180A / 480 VAC / 277 VAC  | UL, CSA, VDE |

For a complete list of TE's Corcom EMI/RFI filters, visit: [www.corcom.com](http://www.corcom.com)

<sup>1</sup> May vary based on application and product selection  
<sup>2</sup> Solves the same problems as the applied interconnect  
 UL - UL Listed  
 RU - Recognized Under  
 CSA - Canadian Standards Association  
 \* Industry - Meets product specific industry standards  
 (see product page on te.com for more detail)

# FEATURED PRODUCTS



## Micro-MaTch Board-to-Board & Wire-to-Board Connectors

- Prevent fretting corrosion and allow for a longer-lasting connection with contact spring design
- Eliminate unnecessary movement in high-vibration applications with high force contact system
- Support wide variety of design options with extensive product offering

[Website](#)  
[Catalog](#)  
[Quick Reference Guide](#)  
[eLearning Module](#)



## Dynamic Series Wire-Applied Connectors

- Suitable for low signal to high power applications with a broad range of versatile contacts
- Save time and money with a centralized modular wiring system
- Prevent mismatching with keyed housings

[Website I](#)  
[Website II](#)  
[Catalog](#)  
[Quick Reference Guide](#)



## Relays

- Withstand extreme environments with high performance designs
- Design for delayed action with internal timer option
- Support system needs with various options from a single source

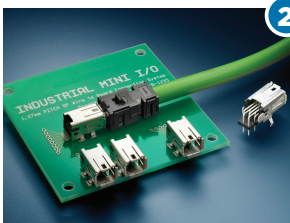
[Website I](#)  
[Website II](#)  
[Shortform Catalog](#)  
[General Purpose & Signal Catalog](#)  
[Product Line Card](#)



## Terminal Blocks & Strips

- Easy assembly and expansion with modular design and interlocking features
- Support repeated connect/disconnect cycles with robust clamping technology
- Gain design flexibility with broad product offering

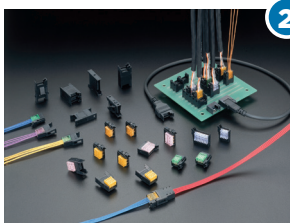
[Website](#)



## Industrial Mini I/O Connector System

- Avoid mismatching with polarized housing options
- Increase reliability in high vibration environments with two points of contact
- Prevent unintentional plug pull-out with unique latching system

[Website](#)  
[Catalog](#)



## Remote I/O Terminal System (RITS) Connectors

- Improve performance over IDC connector with enlarged contact area and chisel piercing design
- Provide highly secure locking for cable-to-cable connection with lock lever design
- Save cost with general hand tool for easy termination

[Website I](#)  
[Website II](#)  
[Catalog](#)



## Industrial RJ45 Connectors

- Support low cost, reliable connections with proven RJ45 interface and field installable option
- Ideal for high-vibration applications with high force contact system
- Achieve design flexibility with large product breadth including Field Installable and Push-Pull options

[Website I](#)  
[Website II](#)  
[Catalog](#)  
[eLearning Module](#)

# FEATURED PRODUCTS

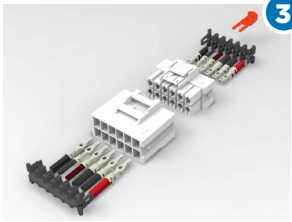


2  
6  
7

## CLOUNDSPLITTER Connector System

- Offer both Cat 5e signal performance and DC power in a standard RJ45 package
- Provide PCB processing efficiency improvements with surface mount capability in a Cat 5e connector
- Achieve easy retrofit capability with acceptance of standard RJ45 plugs

[Website](#)  
[Quick Reference Guide I](#)  
[Quick Reference Guide II](#)

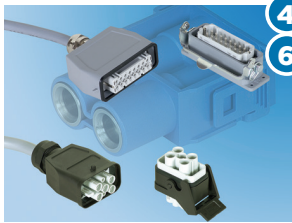


3

## Power Triple Lock (PTL) Connectors

- Ensure contacts are fully seated and protect against contact backout with optional Terminal Position Assurance (TPA)
- Achieve connector system engagement in high vibration applications with Connector Position Assurance (CPA)
- Support a variety of application requirements with three levels of housing materials

[Website I](#)  
[Website II](#)  
[Quick Reference Guide](#)  
[Whitepaper](#)  
[Video](#)



4  
6

## Heavy Duty Connectors (HDC)

- Lower applied cost with quick and easy assembly options
- Gain machine configuration flexibility by combining power, signal and data circuits
- Withstand severe environmental conditions with IP68 configuration options

[Website](#)  
[Catalog](#)



4  
6

## M8/M12 Connector System

- Save time and money with a complete standard portfolio of connectors, cable assemblies and passive I/O modules
- Design for applications exposed to harsh environments and extreme temperatures
- Provide a comprehensive industrial communications offering with customized solutions and cable assemblies

[Website](#)  
[Catalog](#)  
[Product Presentation](#)  
[Data Sheet](#)



4  
6  
7

## Circular Plastic Connectors (CPC)

- Achieve system efficiency by combining power and signal in a single interconnect
- Design for harsh environments where mechanical shock, moisture and debris are prevalent
- Accommodate quick and easy field repair with removable contacts and replaceable coupling ring

[Website](#)  
[Catalog I](#)  
[Catalog II](#)  
[Product Presentation](#)  
[Data Sheet](#)



6

## Motorman Hybrid I/O Connectors

- Accommodate power and signal interconnections through a compact, rectangular housing design
- Convenient side access to interior housing for ease of installation in compact space
- Fulfill application needs with customizable design

[Website](#)  
[Data Sheet](#)  
[Video](#)



7

## ARISO Contactless Connectivity

- Obtain freedom of movement including tilt, angle and misalignment with contactless connectivity
- Design for flexibility and cost savings by transferring power and signal through fluids, walls and thin barriers
- Build easy, on-the-fly connections – e.g. connecting remote IOs or sensors on moving machine parts with quick contactless connections and immediate system response

[Website I](#)  
[Website II](#)  
[Flyer](#)  
[Data Sheet](#)  
[Video](#)

## LET'S CONNECT

TE Connectivity (TE) is your motion & drives solution provider for electromechanical and electronic components. Whether you are designing a new system or retrofitting an existing system, this solutions guide will help you select the required components with easy access to additional online information through [te.com](http://te.com). 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.

## Technical Support

[te.com/support-center](http://te.com/support-center)

|                |                   |             |                  |                          |                     |
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