Innovative Solutions for Material Handling

TE Connectivity (TE) is your material handling 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. TE’s reliable, quick to install and industry-proven innovative product solutions may help you save on system maintenance costs and downtime.
TE offers solutions for all of your material handling design needs.

INDUSTRIAL SENSING DEVICES

SAFETY NETWORK

FLUID POWER / PNEUMATIC POWER

POWERED ROLLERS / BELT / PLATFORM SYSTEMS

INDUSTRIAL NETWORKING INFRASTRUCTURE

MOTOR & CONTROLLERS

HMI / DISPLAY & CONTROL UNIT

LIGHT STACK
# Design Navigator

Get more information on [te.com](http://te.com) by clicking on the product names below.

1. **POWERED ROLLERS / BELT / PLATFORM SYSTEMS**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series 
     - Max. Current Rating (A): 1 to 3
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 15
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 65
   - Euro style Terminal Blocks
     - Max. Current Rating (A): 125
   - ME/M2 Industrial Connectors & Connectors
     - Max. Current Rating (A): 5.0
   - Mini-Universal NATE-N-LOK Wire-Applied Connectors
     - Max. Current Rating (A): 11.2
   - Power Distribution Compact Power Jacks
     - Max. Current Rating (A): 3.0

2. **MOTORS & CONTROLLERS**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series
     - Cable Assemblies:
       - N/A
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Circuit Protection Device:
       - Max. Current Rating (A): 15
   - Circular Plastic Connectors (CPC)
     - Series
     - Corcom Power Line Filters
       - Refer to the table below for product details
   - DC Power Line Filters
     - Series
     - Max. Current Rating (A): 0.1
   - Heavy Duty Connectors (CPC)
     - Series
     - Max. Current Rating (A): 350
   - Industrial Ethernet Products
     - Series
     - Max. Current Rating (A): 0.5
   - Industrial Mix I/O Connector System
     - Series
     - Max. Current Rating (A): 0.5
   - Mini-Universal NATE-N-LOK Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 11.2
   - Mini-Hybrid I/O Connectors
     - Series
     - Max. Current Rating (A): 20
   - Pinted Circuit Board (PCB) Harnesses
     - Series
   - RJ45 Modular Jacks & Plugs
     - Series
     - Max. Current Rating (A): 15
   - Terminal Blocks
     - Series
     - Max. Current Rating (A): 30
   - Terminal Blocks (RJ45)
     - Series
     - Max. Current Rating (A): 30
   - USB Connectors
     - Series
     - Max. Current Rating (A): 18

3. **INDUSTRIAL SENSING DEVICES**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series
     - Circular Plastic Connectors (CPC)
       - Series
       - Max. Current Rating (A): 60
   - Industrial Ethernet Products
     - Series
     - Max. Current Rating (A): 0.5
   - Industrial Mix I/O Connector System
     - Series
     - Max. Current Rating (A): 0.5
   - ME/M2 Industrial Connectors & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - Signal Double Lock Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 3.0
   - M8/M12 Industrial Cordsets & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - Terminal Blocks
     - Series
     - Max. Current Rating (A): 30
   - USB Connectors
     - Series
     - Max. Current Rating (A): 18

4. **FLUID POWER / PNEUMATIC POWER**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series
     - Circular Plastic Connectors (CPC)
       - Series
       - Max. Current Rating (A): 60
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 65
   - Heavy Duty Connectors (CPC)
     - Series
     - Max. Current Rating (A): 350
   - Industrial Ethernet Products
     - Series
     - Max. Current Rating (A): 0.5
   - Industrial Mix I/O Connector System
     - Series
     - Max. Current Rating (A): 0.5
   - ME/M2 Industrial Connectors & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - Power Distribution Compact Power Jacks
     - Series
     - Max. Current Rating (A): 3.0
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 65
   - Heavy Duty Connectors (CPC)
     - Series
     - Max. Current Rating (A): 350
   - Industrial Ethernet Products
     - Series
     - Max. Current Rating (A): 0.5
   - Industrial Mix I/O Connector System
     - Series
     - Max. Current Rating (A): 0.5
   - ME/M2 Industrial Connectors & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - USB Connectors
     - Series
     - Max. Current Rating (A): 18

5. **IMI / DISPLAY & CONTROL UNIT**
   - Refer to the [Innovative Solutions for Industrial Control](https://www.te.com) guide for information on products included in this subsystem

6. **SAFETY NETWORK**
   - Panel Mounted Relays
     - Series
     - Max. Current Rating (A): 9.0
   - Switches
     - Series
     - Max. Current Rating (A): 20
   - ME/M2 Industrial Connectors & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - Safety-rated Connectors
     - Series
     - Max. Current Rating (A): 18

7. **INDUSTRIAL NETWORKING INFRASTRUCTURE**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series
     - Circuit Protection Device:
       - Max. Current Rating (A): 0.5
   - Dynamic Series Wire-Applied Connectors
     - Series
     - Max. Current Rating (A): 65
   - Electronic Power Line Filters
     - Series
     - Max. Current Rating (A): 350
   - Industrial Ethernet Products
     - Series
     - Max. Current Rating (A): 0.5
   - Industrial Mix I/O Connector System
     - Series
     - Max. Current Rating (A): 0.5
   - ME/M2 Industrial Connectors & Connectors
     - Series
     - Max. Current Rating (A): 5.0
   - USB Connectors
     - Series
     - Max. Current Rating (A): 18

8. **LIGHT STACK**
   - AMPMODU Board-to-Board & Wire-to-Board Connectors
     - Series
     - Circular Plastic Connectors (CPC)
       - Series
     - ME/M2 Industrial Connectors & Connectors
       - Series

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**CORCOM EMI/RFI POWER LINE FILTERS**

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Rated Current / Voltage (max)</th>
<th>Agency Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC Series</td>
<td>Single Phase</td>
<td>RFI Filter for Frequency Converters</td>
<td>0.5 - 60A / 250 VAC</td>
</tr>
<tr>
<td>EC Series</td>
<td>Single Phase</td>
<td>General Purpose RFI Filter</td>
<td>1 - 60A / 250 VAC</td>
</tr>
<tr>
<td>DC Series</td>
<td>Three Phase</td>
<td>WYE or Delta RFI Power Line Filter</td>
<td>16 - 200A / 480 VAC / 277 VAC</td>
</tr>
<tr>
<td>BCF Series</td>
<td>Three Phase</td>
<td>Compact Delta RFI Filter for universal applications</td>
<td>7 - 180A / 480 VAC / 277 VAC</td>
</tr>
</tbody>
</table>

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

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1. May vary based on application and product selection
2. Solves the same problems as the applied interconnect
3. UL – UL Listed
4. RU – Recognized Under
5. CSA – Canadian Standards Association
6. Industry – Meets product specific industry standards
7. Industry* – Meets product specific industry standards (see product page on te.com for more detail)
## Featured Products

### AMPMODU Board-to-Board & Wire-to-Board Connectors
- Achieve high vibration performance and reliability with polarized latching receptacles
- Reduce termination time with optional insulation displacement contacts (IDC)
- Satisfy a broad range of signal needs with easy application and competitively priced diverse portfolio

### Signal Double Lock Wire-Applied Connectors
- Achieve a clean external surface with interior locking feature
- Compatible with high temperature solder processes and conformal coatings
- Support high volume manufacturing with polarization pegs and color coded housings

### 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 mismating with keyed housings

### M8/M12 Industrial Cordsets & Connectors
- Enable equipment interoperability through use of standard industrial interfaces
- Industrial Ethernet solutions ranging from 100Mb through 10Gb speeds
- Improve field termination time using factory made overmolded cable assemblies

### RJ45 Modular Jacks & Plugs
- Reduce electrical noise and gain up to Cat 5e performance
- Gain additional PCB space with low profile and narrow housing design
- Suitable for a broad range of applications with diverse product configurations

### Terminals & Splices
- Reliable in thermally diverse applications due to high quality crimp / brazed seam
- Improve productivity and reliability through quick connection design
- Gain design flexibility and ease of maintenance with broad portfolio

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Click on the links below and visit [te.com](http://te.com) for further information.
Innovative Solutions for Material Handling

Featured Products

USB Connectors
- Support data transfer rates of standard USB 2.0 or the 10 times faster USB 3.0
- Optimize power efficiencies with improved device interaction and charging time
- Standard and customized styles and orientations available

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

Circular Plastic Connectors (CPC)
- Mixed power and signal available in a single interconnect
- Ideal for harsh environments where mechanical shock, moisture and debris are prevalent
- Efficient field repair achieved by removable contacts and replaceable coupling ring

AMPLIMITE D-Subminiature Connectors
- Ideal for industrial applications due to intermateability and rugged design
- Proven performance at competitive prices
- Support a broad range of design and application needs with extensive product offering

Flexible Printed Circuit (FPC) Connectors
- Maximize mating cycles and retention with zero insertion force (ZIF) option
- Support smaller and lighter designs with mixed signal and low power routing
- Maximize board space with angled insertion design option

Free Height (FH) Board-to-Board Connectors
- Support high reliability with polarized mating
- Provide design flexibility with a variety of stack heights
- Save valuable PCB space with compact connector design
TE’S PRODUCT INFORMATION CENTERS

Need help? Have questions? We are here for you. You choose: call, email or chat with us online. Dedicated technical experts around the world are ready to serve you in English and twelve other languages. Our goal is to provide you with the help you need: nine out of ten questions are answered immediately or within 24 hours.

te.com/help

Austria: +43-1-9056-0
Baltic Regions: +44-1-382-508080
Canada: +1-800-522-6752
China: +86-400-820-6015
France: +33-1-3420-8686
Germany: +49-6151-607-1999
Italy: +39-011-4012111
Latin/S. America: +54-11-4733-2200
Mexico: +52-55-1106-0800
Netherlands: +31-73-6246-999
Nordic: +46-8-5072-5000
Spain/Portugal: +34-932-910-330
Switzerland: +41-71-447-0447
UK: +44-800-267666
USA: +1-800-522-6752