



Innovative Solutions for Building Safety & Security

TE Connectivity (TE) is your building safety and security 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 will help you stay ahead of the trend for increased building intelligence.



Design Navigator

Get more information on te.com by clicking on the product names below.

	APPLICATIONS						Max Current Rating (A) ¹	Max Voltage Rating (V) ²	Operating Temperature Range (°C)	Sealing Level ³	Contact Interface Plating	SMT Compatible	Wire-to-Wire	Wire-to-Board	Standards
	1	2	3	4	5	6									
Antenna Solutions	●	●	●	●	●	●	N/A	N/A	N/A	N/A	●				N/A
Battery Connectors	●	●	●	●	●	●	10	30 DC	N/A	N/A	●	●	●	●	N/A
Spring Fingers - PCB Grounding Contacts	●	●	●	●	●	●	1.0	5 DC	N/A	N/A	●			●	N/A
Cable Assemblies³	●	●	●	●	●	●	N/A	N/A	N/A	N/A					N/A
Polyolefin Heat Shrink Tubing	●	●	●	●	●	●	N/A	600 AC	-55 to +135	N/A	N/A				UL, CSA, cUL, VDE
2Pro Overcurrent/Overvoltage Protection Devices	●	●	●	●	●	●	0.75	240 AC	-40 to +85	N/A	N/A				UL
Chip Fuses	●	●	●	●	●	●	20	250 AC	-40 to +125	N/A	N/A	●			UL
Corcom Power Line Filters	●	●	●	●	●	●	180	480 AC	-40 to +85	N/A	Sn/Ni	●			UL, CSA, VDE
PolySwitch Resettable R-Line Circuit Protectors	●	●	●	●	●	●	15	72 DC	-40 to +85	N/A	N/A				UL, CSA, TUV
PolySwitch Resettable SMD Circuit Protectors	●	●	●	●	●	●	3.0	60 DC	-40 to +85	N/A	N/A	●			UL, CSA, TUV
PolySwitch Resettable T-Line Circuit Protectors	●	●	●	●	●	●	0.4	250 DC	-40 to +85	N/A	N/A	●			UL, CSA, TUV
Corcom Power Inlet Filters & Power Entry Modules	●	●	●	●	●	●	180	480 AC	-40 to +85	N/A	Sn/Ni	●			UL, CSA, VDE
Eurostyle Terminal Blocks	●	●	●	●	●	●	10	300 AC/DC	-30 to +105	N/A	Sn		●		UL, cUL
FASTON & Ultra-FAST Terminals	●	●	●	●	●	●	48	600 AC/DC	-40 to +250	N/A	Au/Ag/Ni/Sn/Brass		●		UL, CSA
Power Triple Lock (PTL) Wire-Applied Connectors			●	●	●	●	20	600 AC	-55 to +150	N/A	Sn		●		UL, CSA
Universal MATE-N-LOCK Wire-Applied Connectors			●	●	●	●	19	600 AC	-55 to +125	IP56/57	Sn/Au		●	●	UL, CSA, VDE
CLOUDSPLITTER Connector System	●	●	●	●	●	●	1.5 signal 50 power	150 AC 20 DC	-40 to +85	N/A	Au	●	●		UL, cUL
Connectors for HDMI Standards		●					0.5	40 AC	-55 to +105	N/A	Au	●		●	Industry**
Connectors for Secure Digital (SD) Memory Cards	●	●	●	●	●	●	0.5	30 AC	-25 to +85	N/A	Au				UL
RJ45 Modular Jacks & Plugs		●					1.5	150 AC	-40 to +85	N/A	Au	●		●	UL, CSA
USB Connectors				●			0.5	40 AC	-55 to +85	N/A	Au	●		●	Industry**
Economy Power (EP) 2.5 Wire-to-Board Connectors	●		●	●			4.5	250 AC	-25 to +105	N/A	Sn		●	●	UL, CSA, TUV
Economy Power (EP) II Wire-to-Board Connectors	●		●	●			11	600 AC	-25 to +105	N/A	Sn			●	UL, CSA, TUV
Micro MATE-N-LOK Wire-Applied Connectors	●		●	●			5.0	250 AC	-40 to +105	N/A	Sn/Au	●	●	●	UL, CSA, VDE
Mini-Universal MATE-N-LOK Wire-Applied Connectors			●	●			9.5	600 AC	-55 to +105	IP56/57	Sn/Au		●	●	UL, CSA, VDE
High Frequency Inductors	●	●	●	●	●	●	1.3	N/A	-40 to +125	N/A	Sn	●			N/A
Power Resistors	●	●	●	●	●	●	N/A	200 AC/DC	-55 to +220	N/A	Sn	●			N/A
Precision Resistors	●	●	●	●	●	●	N/A	200 AC/DC	-55 to +155	N/A	Sn	●			N/A
Communications & Signal Relays	●	●		●	●	●	5.0	250 AC 220 DC	-40 to +85	RT III; RTV	AgNi/PdRu, Au clad	●			UL, cUL
High Frequency Relays		●				●	2.0	250 AC 220 DC	-55 to +85	RT III	Ag, Au clad	●			
High Power PCB Relays			●				40	600 AC	-40 to +105	RT III	AgCdO/AgNi/ AgSnOInO				UL, CSA, cUL, VDE
Miniature Relays					●		1.0	120 AC 30 DC	-40 to +85	RT III	Ru/AgNi				UL, CSA, cUL
PCB Relays	●		●				16	400 AC	-40 to +105	RT III	AgNi/ AgSnO				UL, CSA, cUL, VDE, CQC
Transformers	●		●	●	●	●	N/A	600 AC	N/A	RT 0	N/A				UL, cUL
AMP CT & Mini CT Wire-to-Board Connectors	●	●	●	●	●	●	4.0	125 AC	N/A	N/A	N/A	●	●	●	UL, CSA
AMPMODU Board-to-Board & Wire-to-Board Interconnect System	●	●	●	●	●	●	3.0	250 AC	-65 to +125	N/A	Sn/Au	●	●	●	UL, CSA
AMPMODU System 50 Board-to-Board & Wire-to-Board Connectors	●	●	●	●	●	●	3.0	250 AC	-65 to +125	N/A	Sn/Au	●		●	UI, CSA
Free Height (FH) Board-to-Board Connectors			●	●	●	●	0.5	100 AC	-40 to +85	N/A	Au	●		●	UL
High Performance Interconnects (HPI)	●	●	●	●	●	●	3.0	250 AC/DC	-25 to +85	N/A	Sn	●			N/A
Micro-MaTch Board-to-Board & Wire-to-Board Connectors	●	●	●	●	●	●	1.5	100 AC	-40 to +105	N/A	Sn	●		●	UL
DIP Switches	●	●	●	●	●	●	0.1	50 DC	-30 to +85	N/A	Ag	●	●		N/A
Keylock Switches	●	●	●	●	●	●	6.0	250 AC	-18 to +65	N/A	Ag		●	●	UL, CSA
Pushbutton Switches	●	●	●	●	●	●	6.0	250 AC/DC	-20 to +80	N/A	Ag/Au		●	●	N/A
Rocker Switches		●	●	●	●	●	16	250 AC	-20 to +85	IP40	Ag		●	●	UL, CSA, VDE, ENEC
Tactile Switches	●	●	●	●	●	●	0.05	24 DC	-35 to +105	IP67	Ag	●		●	N/A
Toggle Switches	●	●	●	●	●	●	20	250 AC/DC	-20 to +85	IP67	Sn/Au/Ag		●	●	UL, CSA

¹ May vary based on application and product selection
² RT = Processing protection level according to IEC 61810;
 IP = Ingress protection rating according to IEC 60529
³ Solves the same problems as the applied interconnect

UL - UL Listed
 CSA - Canadian Standards Association
 ** Industry - Meets product specific industry standards
 (see product page on te.com for more detail)


Fire Detection



Video Surveillance



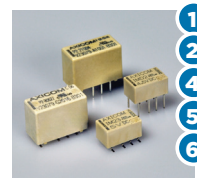
Featured Products



- 1 **Tactile Switches**
- 2 ■ Achieve system longevity with extended lifecycle design
- 3 ■ Prevent potential liquid or particle contamination with IP67 sealed design
- 4 ■ Save space with ultra-low profile design

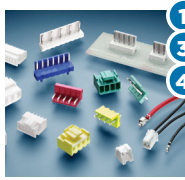
[Website](#)
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Featured Products




- 1 **Communications & Signal Relays**
- 2 ■ Save board space with low profile design
- 3 ■ Closely match relays to drive circuits with both standard and sensitive coil options
- 4 ■ Achieve multiple switching capability with double pole configurations

[Website I](#)
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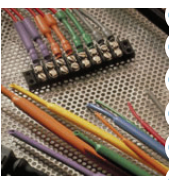
- 1 **Economy Power Wire-Applied Connectors**
- 2 ■ Achieve easy mating and unmating with positive audible latch
- 3 ■ Prevent post misalignment with polarization tabs
- 4 ■ Facilitate simple retrofit and design-in with intermateable market design

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- 1 **CLOUDSPLITTER Connector System**
- 2 ■ Offer both Cat 5e signal performance and DC power in one RJ45 standard package
- 3 ■ Provide surface mount capability in a Cat 5e connector
- 4 ■ Achieve easy retrofit capability with acceptance of standard RJ45 plugs

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



- 1 **Polyolefin Heat Shrink Tubing**
- 2 ■ UL/SCA VW-1 rating supported by flame-retardant materials
- 3 ■ Easily identify wires, cables and components using a variety of colors
- 4 ■ Halogen-free polyolefin material prevents toxic emissions in enclosed areas

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



- 1 **Connectors for HDMI Standards**
- 2 ■ Support standard, enhanced or high-definition video and multi-channel audio in one cable
- 3 ■ Provide secure electrical contact and smooth cable insertion/extraction with easy-to-use friction lock design
- 4 ■ Gain ESD protection with fully shielded housing

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Access Control



Theft Detection

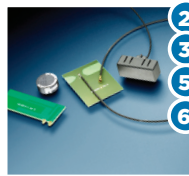


Featured Products



- 1** **Micro MATE-N-LOK Wire-Applied**
- 3** **Connectors**
- 4**
 - Maximize board space with single and dual row, vertical and right angle configurations
 - Prevent accidental unmating in high vibration applications with positive latches
 - Accommodate wire sizes from 30 to 20 AWG with a broad range of crimp, snap-in, pin and receptacle contacts

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- 2** **Antenna Solutions**
- 3**
 - Accommodate Wi-Fi, Bluetooth, ZigBee and many other frequency bands with broad product offering
- 5**
 - Achieve rapid support with a range of readily available standard antennas
- 6**
 - Optimize placement of standard antenna products using TE's globally dispersed engineering support

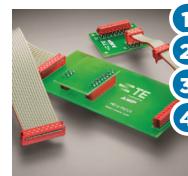
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- 2** **FASTON & Ultra-FAST Terminals**
- 3**
 - Achieve higher contact spring properties with thermal stress relief process
- 5**
 - Improve productivity and reliability through quick connect design
- 6**
 - Gain design flexibility and ease of maintenance with broad portfolio

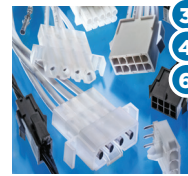
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Featured Products



- 1** **Micro-MaTch Board-to-Board & Wire-to-Board**
- 2** **Connectors**
- 3**
 - Prevent fretting corrosion and allow for a longer-lasting connection with contact spring design
- 4**
 - Eliminate unnecessary movement in high-vibration applications with high force contact system
 - Support wide variety of design options with extensive product offering

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[Catalog](#)
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- 3** **Universal MATE-N-LOK Wire-Applied**
- 4** **Connectors**
- 6**
 - Achieve design flexibility and polarization with interchangeable contacts
 - Improve reliability in high moisture environments with splash proof options
 - Maintain ultimate safety with egg-crated, finger-proof design

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- 1** **AMP CT & Mini-CT Wire-to-Board**
- 2** **Connectors**
- 3**
 - Provide PC board self-retention with kinked connector design
- 4**
 - Save space with miniaturized discrete wire interconnect
- 5**
 - Offer design flexibility with IDC and crimp termination methods

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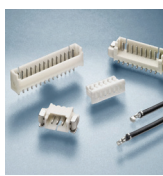
Intrusion Detection



Network Systems



Featured Products



- 1 **High Performance Interconnects (HPI)**
- 2 ■ Achieve low signal/power connections in a 1.0mm to 2.5mm centerline footprint
- 3 ■ Enable interchangeability to industry standard designs with square termination posts
- 4 ■ Prevent contact stubbing with polarized housings

[Website](#)

Featured Products



- 1 **Corcom Power Line Filters**
- 2 ■ Meet emission standards with EMI/RFI protection
- 3 ■ Gain design flexibility with multiple termination options on high current power filters
- 4 ■ Solve challenges with custom design, testing and qualification capabilities

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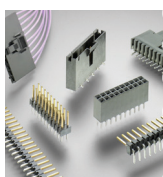
- 1 **Eurostyle Terminal Blocks**
- 2 ■ Easy assembly and expansion with modular design and interlocking features
- 3 ■ Support repeated connect/disconnect cycles with robust clamping technology
- 4 ■ Gain design flexibility with broad product offering

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[Quick Reference Guide](#)
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[Data Sheet](#)



- 2 **RJ45 Modular Jacks & Plugs**
- 6 ■ 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

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



- 1 **AMPMODU Board-to-Board & Wire-to-Board Interconnect System**
- 2 ■ Achieve high vibration performance and reliability with polarized latching receptacles
- 3 ■ Reduce termination time with optional insulation displacement contacts (IDC)
- 4 ■ Satisfy a broad range of signal needs with easy application and competitively priced diverse portfolio

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- 4 **USB Connectors**
- 6 ■ 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

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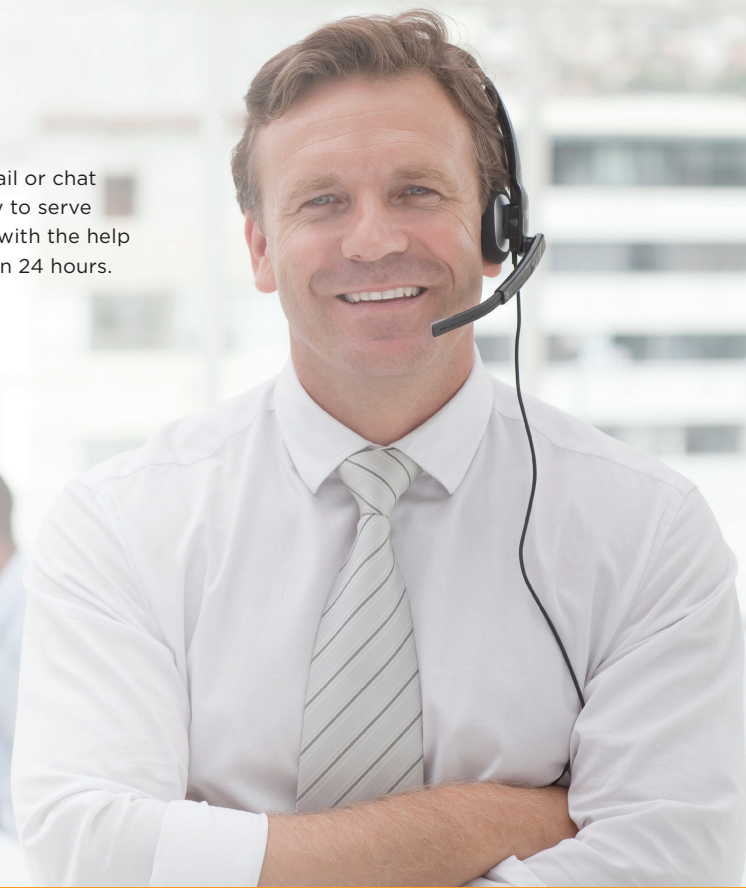
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TE'S PRODUCT INFORMATION CENTERS

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.

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