		
Commercial Transportation			Consumer Electronics			Data Communications			Intelligent Buildings			Lighting			Medical		
High Voltage	Low Voltage	Signaling & Rail Control	Personal Computers	Mobile Devices	Home Entertainment	Data Center	Communications	Wireless	Security	Elevators & Escalators	HVAC	Digital Signage	Indoor Lighting	Architectural Lighting	Imaging	Diagnostic	Surgical & Interventional
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TE Connectivity Product & Application Guide

TE Connectivity (TE) is a technology leader in the world's fastest growing markets, helping connect power, data and signal in everything from automotive and aerospace to broadband communications, consumer, energy and industrial applications. By helping our customers meet the need for greater energy efficiency, ever-increasing productivity and faster, more reliable data, TE's market-defining technologies and engineering expertise are setting the pace for the future of connectivity. This product and application guide will help you to easily identify the products most suitable for the applications you support and share our expertise in these industries that reinforce our position as a technology leader.



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		Aerospace, Defense & Marine			Alternative Energy		Appliances			Automation & Control			Automotive		
		Avionics	Defense	Marine	Wind	Solar	White Goods	Electric Motors	Power Tools	Motion & Drives	Industrial Communications	Power Distribution Systems	Body & Chassis	Infotainment	Powertrain
	Input/Output	●	●	●	●	●				●	●	●	●	●	●
	Power				●	●	●	●	●	●	●				
	RF & Coax	●	●	●							●		●		
	Board-to-Board	●	●	●							●		●		
	Fiber Optics	●	●	●							●		●		
	EMI/RFI Filters	●	●	●		●						●	●	●	
	Cable/Wire Applied	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Terminals & Splices	●	●	●	●	●	●	●	●		●	●	●	●	●
	Wire, Cable, & Cable Assemblies	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Tubing & Harnessing	●	●	●	●	●	●	●	●		●	●	●	●	●
	Identification	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Terminal Blocks	●	●	●			●	●	●		●				
	Passive Components					●	●	●	●				●	●	●
	Relays, Switches & Sensors	●	●	●	●	●	●	●	●	●		●	●	●	●
	Circuit Protection	●	●	●	●	●	●	●				●	●	●	●
	Card Products & Sockets														
	Application Tooling	●	●	●	●	●	●	●	●	●	●	●	●	●	●



Aerospace, Defense & Marine

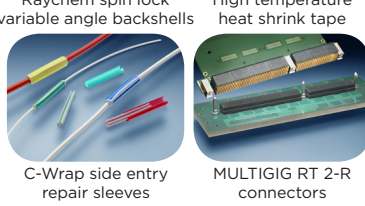
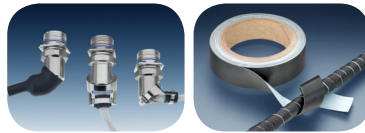


Applications

Commercial aerospace
Avionics
Military aviation
Ground weapons & vehicles
Offshore oil & gas
Civil marine
Sub-sea

TE consistently delivers value and performance with increasingly smaller and lighter weight solutions for customer applications in the Aerospace, Defense & Marine industry. By applying our materials science technology and other core capabilities, TE provides:

- Component design and low cost, turn-key finished assemblies incorporating higher speeds, greater bandwidths and higher current or voltage technology challenges
- Electronic systems and components designed for rugged applications and global approval organizations
- Products that meet the most stringent quality and performance standards of OEMs, military, and aerospace authorities



Alternative Energy

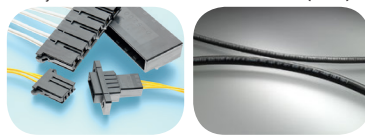


Applications

Solar generation
Wind generation
Hydro & fossil generation
Nuclear generation

As a manufacturer of electronic components and solutions for alternative energy TE's focus on innovation and quality makes us a leader in this complex market. For over 60 years, TE has worked with industry leaders to develop quality engineered solutions providing our customers with:

- Economically manufactured products to maintain aggressive cost structures
- Connectors designed to support system reliability
- New and innovative ways to implement technically advanced products
- Expertise in materials science, product design and process engineering



Appliances



Applications

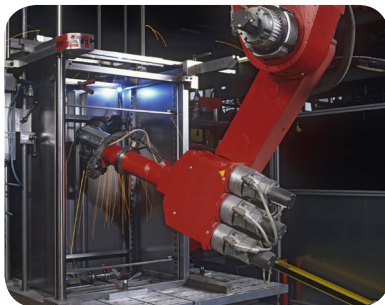
Washers & dryers
Refrigeration
Water heaters
HVAC

Electric motors, reliable heating elements and intuitive user interfaces are just the start of the solutions TE supports in order to meet the daily demands of home appliances. TE's high quality appliance interconnects, custom connectors, relay and circuit protection devices help:

- Reduce energy and water usage while improving system performance
- Meet RoHS and other recyclability standards with our broad material offering
- Improve household appliance performance and efficiency incorporating smart grid technology



Automation & Control

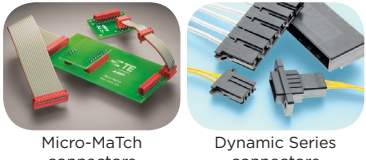


Applications

Industrial controls
Human machine interface
Motion & drives
Material handling
Power distribution
Industrial communication

As production environments become increasingly automated and decentralized, even the smallest connections are mission-critical. TE delivers innovative solutions to connect, power and control every aspect of production—from machinery to process optimization on the circuit board to the harshest working environments. TE solves your connectivity challenges with solutions that:

- Allow professional decentralization within the production facility, making it easier to retrofit machine architecture
- Make installation and maintenance time transparent, while reducing machine downtime and scrap
- Provide a high level of data integrity for real-time industrial data communication
- Are customized to your industrial design challenges



Automotive

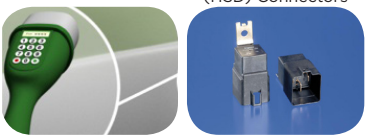


Applications

Body & chassis
Hybrid & electric mobility
Infotainment
Powertrain
Sensor
Safety & security

TE's innovative automotive technologies support advanced safety systems, highly integrated engine controls, power management systems, infotainment applications, sensors and hybrid and electric vehicles. Our broad product offering makes TE a one-stop shop for automotive solutions. As a leader in automotive technology, TE's connector systems are designed to:

- Meet the unique requirements for chassis system electronics used for seat adjustments and steering angle sensors
- Support dashboard displays that monitor the safety, comfort and overall performance of the vehicle
- Manage the fuel consumption, emissions and safety requirements of the modern engine environment
- Provide fuel delivery and interconnect innovation across the infrastructure of hybrid and electric vehicles



Commercial Transportation



Applications

Trucks & buses
Construction & agriculture
Recreational vehicles
Motorcycles

Sophisticated commercial vehicle designs demand highly innovative interconnect solutions. TE is committed to exceeding industry standards with our high-performance commercial vehicle products and technologies that are time-tested and designed to last. These products support:

- Field dependability in rugged, high vibration applications that are J2030 compliant
- Sealed solutions to help protect connections from dust, dirt, salt spray, vibration and chemicals
- Simple interconnect designs making them easy to apply and service
- Motorcycle solutions with high vibration resistant, cost effective and small form factor interconnect designs



Consumer Electronics

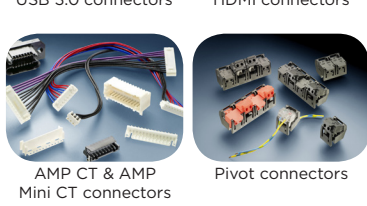
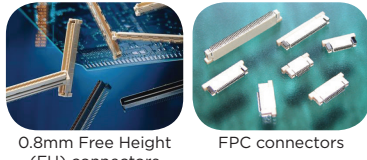


Applications

Mobile devices
Personal computers
Home entertainment

The demanding and growing needs of the consumer electronics industry are trending toward smaller, lighter and thinner devices with improved portability. TE is on the forefront of the consumer industry with our:

- Latest technology advancements keeping ahead of changing consumer expectations
- Innovative product offering designed to withstand high vibration applications
- Broad portfolio of compact interconnects that help manufacturers across all markets develop smaller, lighter and thinner devices with improved portability



Data Communications

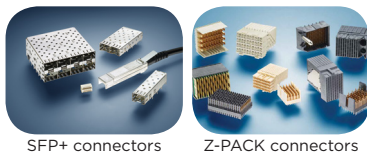


Applications

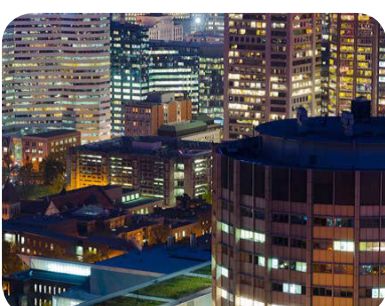
Switches, routers & storage
Optics & optical equipment
Access equipment
Smart grid communications
Cable management
Data center
Wireless infrastructure

The dramatic increase of information flow across the globe has driven the need for communication equipment and architectures that support higher density and faster speeds. TE's product solutions support these trends with our:

- 10- to 25- Gbps and beyond connectors and cables for faster data rates
- Ability to drive standards as a leader in the industry
- Expertise in signal integrity for excellent performance
- Proven engineering innovation
- Broad product portfolio of copper and optic connectivity product solutions for every level of data communication



Intelligent Buildings

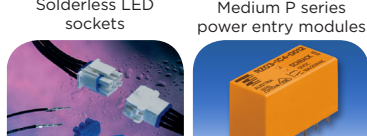
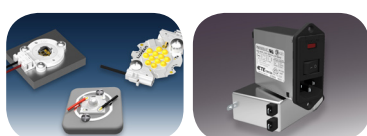


Applications

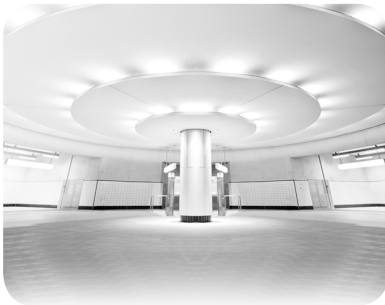
Elevators & escalators
Lighting
Security
Environmental comfort (HVAC)

As today's buildings become increasingly efficient and connected, TE works to solve complex connectivity challenges. Our products link power and data on every floor of the building, from environmental and illumination controls, to safety, people flow, convenience and service equipment, delivering greater control and comfortable living and working spaces. TE's latest product and manufacturing technologies support intelligent building applications with:

- Early involvement programs that provide a system approach to ensure component compatibility and a reduction in development cycles
- Product development teams dedicated to advance your designs with interconnect, protection and passive products
- Experienced retrofit teams to help bring equipment into compliance with strict emissions



Lighting

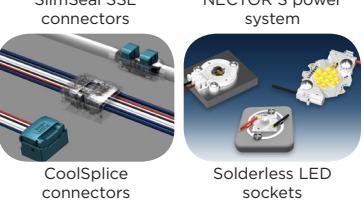


Applications

Emergency lighting
Street & stadium lighting
Digital signage
Indoor lighting
Commercial refrigeration
Architectural lighting

TE is at the forefront in the development of next generation lighting solutions that accelerate lighting manufactures' transition from traditional light sources to new LED lighting fixtures. From outdoor luminaires to commercial refrigeration, innovation in lighting is taking advantage of broad-based technological progress. Our knowledge of the lighting industry and experience in interconnect design support the development of lighting applications with our:

- Commitment to energy saving solutions
- Broad range of product innovations to support easy assembly in space constrained applications
- Environmentally friendly materials supporting emissions reduction
- Voltage and current capabilities meeting industry standards



Medical



Applications

Imaging
Diagnostic
Surgical
Therapeutic
Interventional

TE assists medical OEMs with our value added product development experience creating products with our state of the art manufacturing technologies and processes. Our world-class engineering, manufacturing, testing and distribution capabilities and proven strengths include:

- Industry-leading fine wire manufacturing and high-performance tubing in support of trends toward minimally invasive catheter solutions
- Innovative designs and user-friendly ergonomics supporting easy, intuitive user handling
- Design of single use products manufactured in clean room environments
- Sterilizable, reusable assemblies incorporating high performance power and digital cable

