





LEVELING UP CONVENIENCE FOR EVERY MEAL

Major & Small Kitchen Appliance Product Solutions

SMART INNOVATIONS FOR HOME APPLIANCES

Bring convenience and comfort to your kitchen with TE Connectivity's (TE) portfolio of connector, relay, terminal and splice that deliver enhanced functionality, sealed protection, and space-saving options. With trends towards more connected devices, engineers need to design for protection and durability while meeting global safety standards. Cook in comfort knowing TE is the a great global partner to bring your next appliance to life for always-on connectivity.

MAJOR HOME APPLIANCES

Bring convenience and connectivity to your kitchen with the latest smart solutions. At TE, we are introducing new technologies that deliver sustainable living, enhanced functionality, and reliability.

Learn how our wired and wireless technologies, connectors, sensors, and more, can help build the smart appliances of the future. Think smart, worry less by discovering TE's unmatched portfolio of major home appliance product solutions.



SMALL HOME APPLIANCES

Small appliances are becoming smarter and more efficient to enhance the cooking experience. Our extensive portfolio of connectors, sensors, tubing, relays, and switches improve the efficiency and provide you can count on. This, along with our global engineering expertise and manufacturing capabilities, makes us an a great partner to help connect your smart appliances for a safer, more secure, and connected home.



TE PRODUCT VALUE



SMART KITCHEN PRODUCT SOLUTIONS



When it comes to smart kitchen appliances, we offer products using flame retardant resins that can be solutions for everything from smart refrigerators and cooktops to help ensure your appliances are both reliable and safe. Whether you need a power connector with a smaller footprint or an ergonomic connector that improves assembly efficiency, TE has the products you need to create more efficient and reliable connected home. Think smart, worry less by discovering TE's unmatched portfolio of new and innovative product solutions.

PRODUCT SOLUTIONS

POWER CONNECTORS



Economy Power Connectors



Micro MATE-N-LOK Connectors



Mini Universal MATE-N-LOK Connectors



Universal MATE-N-LOK Connectors



MTA 156 Connectors



Power Key Connectors



VAL-U-LOK Connectors



POWER TRIPLE LOCK Connectors



Power Double Lock Connectors



RAST Connectors



GRACE INERTIA Connectors



Power-Versa Lock Connectors

SIGNAL CONNECTORS



Signal Double Lock Connectors



Signal GRACE INERTIA Connectors



AMP CT Connectors



Flexible Printed
Circuit (FPC)
Connectors



AMPMODU Connectors



High Performance Interconnects (HPI)



Economy Power 2.5 Connectors



MTA 100 Connectors

New product



TERMINAL & SPLICES



MAG-MATE Terminals



<u>Ultra-Fast</u> <u>Terminals</u>



SIAMEZE Terminals



AMPLIVAR Terminals



FASTON Terminals



FASTIN-FASTON Terminals



Positive Lock Terminals



POD-LOK Terminals



Cluster Block Terminals & Housings



Wire Splices



Ring Terminals & Spade Lugs

RESISTORS



<u>Chassis Mount</u> <u>Resistors</u>



Through-Hole Resistors



Surface Mount Resistors



Potentiometers Resistors



NTC Thermistors Resistors

SENSORS



RTD Platinum Sensors



<u>Relative</u> <u>Humidity Sensors</u>



Pressure Sensors



Thermopile Sensors

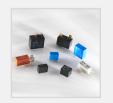


Magnetic Sensors

SMART KITCHEN PRODUCT SOLUTIONS



RELAYS



PC Board Relays



Potter & Brumfield T9G Relays



Potter & Brumfield T9A Relays

ANTENNAS



Embedded Antennas



<u>Custom</u> <u>Antennas</u>



<u>loT</u> <u>Antennas</u>

SWITCHES



DIP & SIP Switches



<u>Tactile</u> <u>Switches</u>



Rocker Switches



Snap Action Switches

TUBING



VERSAFIT Heat Shrink Tubing



RW-175 Tubing



RNF-150 Tubing



ATUM Tubing

CONTROL BOARD PRODUCT SOLUTIONS



TE Connectivity's (TE) broad portfolio of connectors, relays, and tubing allow you to optimize control boards within home appliances. With proven quality and reliability, our solutions will help you get your product to market fast. Whether you are designing a board for a blender, air treatment product, coffee maker, floor care, or other home appliance, TE has solutions to simplify your process and improve your design for the next generation of home appliances.

POWER CONNECTORS



Economy Power II Connectors

- .156" [3.96mm] pitch
- · Rated 600VAC at up to 11A
- Well-suited for delivering power to the board with up to 12-positions
- Offer two levels of mechanical and electrical reliability



Micro MATE-N-LOK Connectors

- Available in low profile design (<4.7 mm)
- Both single-row and dual-row configurations are available
- · Panel mount or free-hanging versions



MTA 100/156 Connectors

- · Color coded housing for wire gage
- Tin, 15 and 30 gold plating options
- Audible latch for wire-to-wire (posted) housings
- Insulation displacement (IDC) technology to wire-to-board and wire-to-wire systems



Power Key Connectors

- Power circuit connector with 5.0mm contact centerline
- Wire-to-board connectors: plug housings for wires and PCB header assemblies
- Clear clicking sound easily confirms contact insertions. Double lock plate provides for complete loading of contacts



VAL-U-LOK Connectors

- Ratings up to 9A per line in a 4.2mm pitch wire-to-wire or wire-to-board connectors
- Mate first/break last option on 3 position single row receptacle housings
- As many as 24 positions in dual row configuration with optional TPA

SIGNAL CONNECTORS



Economy Power 2.5mm Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs
- · Compact 2.5mm centerline



Signal Double Lock Connectors

- Space saving 2.5mm pitch
- · Current Rating: 3A
- IP67 class water proofing protection
- Flammability: GWT and UL 94 V-0



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement



AMP CT Connectors

- Two termination methods: IDC, crimp
- Kinked leg options for self-retention on boards
- IDC AWG 24-28. Crimp AWG 22~30
- RoHS compliant
- Component Program of Underwriters Laboratories Inc., File No. E28476



Flexible Printed Circuit Connectors

- Light weight/high density designs
- Reliably connect with various retention options
- Unique designs like angled insertion to solve design challenges



High Performance Interconnects (HPI)

- Achieve low signal/power connections in a 1.0mm to 2.5mm centerline footprint
- Prevent contact stubbing with polarized housings

CONTROL BOARD PRODUCT SOLUTIONS



TERMINALS & SPLICES



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved receptacles and various plating options



MAG-MATE Terminals and Splices

 High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost



Positive Lock Terminals and Housings

- Integral lever locks receptacles onto tabs
- Low insertion force for improved ergonomics
- High temperature housings meet Glow Wire test and UL 94 V-0



<u>Ultra-Fast Terminals</u>

- Designed for full mating with a variety of tab styles including those with shoulders
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)
- Fully insulated FASTON receptacles



FASTIN-FASTON Terminals

- Tabs, receptacles and housings for single and multiple connections
- Terminals have locking lances for retention of contacts in housings
- 110, 187 and 250 series terminals





Tactile Switches

- Achieve any design with choice of actuator lengths and styles
- Support mass fabrication with several mounting options

RELAYS



OJ/OJE/T77 Series Relays

- 1 form A (NO) contacts in various models support a range of loads, with contact ratings from 3 to 10 amps, plus TV-5
- Both sensitive (200mW) and standard (450mW) coil options accommodate various drive circuits



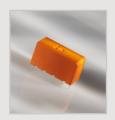
T9A Series Relays

- Save PCB space with the smallest relay in its class while maintaining standard footprint
- Achieve a global relay solution with UL, CQC and VDE certifications
- Help provide operator safety through increased insulation (UL 61810-1)



PCH Series Relays

- 5 to 10A rating
- 1 form A (NO) and 1 form C (CO) contact arrangements
- Sensitive coil available for 1 form A type



RZ Power PCB Relay

- Global standard platform for 16 Amp applications
- Designed to overcome micro welding in the contact interface to improve life time
- Standard versions for 85°C ambient temperature and high temperature versions for 105°C





SWFR Heat Shrink Tubing

- Insulation and strain relief for fine gauge wire and fiber optic cables
- Moisture, fungus, and weather resistant for outdoor applications
- Thermal insulation of substrates, pipes, hoses and cables

HEATER SOLUTIONS



TE Connectivity's (TE) broad portfolio of connectors, sensors, relays, and tubing allow you to optimize heaters within home appliances. With proven quality and reliability, our solutions will help you get your product to market fast. Whether you are designing a heater for a toaster, coffee maker, rice cooker, floor care, or other home appliance, TE has solutions to simplify your process and improve your design for the next generation of home appliances.

POWER CONNECTORS



Power Key Connectors

- Power circuit connector with 5.0mm contact centerline
- Wire-to-board connectors: plug housings for wires and PCB header assemblies
- Clear clicking sound easily confirms contact insertions. Double lock plate provides for complete loading of contacts



Micro MATE-N-LOK Connectors

- Available in low profile design (<4.7 mm)
- Both single-row and dual-row configurations are available
- Panel mount or free-hanging versions



RAST Power Connectors

- Achieve high vibration performance and reliability with polarized latching receptacle, and reduce termination time with insulation displacement option
- 250 VAC, 2-16A Current Rating



Universal MATE-N-LOK Connectors

- Centerline: 6.35mm
- Current Rating: 19A
- Voltage Rating: 600 VAC
- Flammability: UL 94 V-0, UL 94 V-2
- 250 VAC

SIGNAL CONNECTORS



Economy Power 2.5mm Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs
- · Compact 2.5mm centerline



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement



SWFR Heat Shrink Tubing

- Insulation and strain relief for fine gauge wire and fiber optic cables
- Moisture, fungus, and weather resistant for outdoor applications
- Thermal insulation of substrates, pipes, hoses and cables



DWFR Heat Shrink Tubing

- Highly flame-retardant with UL VW-1 flammability rating
- 3:1 and 4:1 shrink ratios provide design versatility
- Broad range of standard sizes meets many application requirements



TERMINALS & SPLICES



Cluster Block Terminals and Housings

- Connect to sealed hermetic headers on compressors
- Accept wire ranging from 25-10 AWG
- Versions available for 2.29 or 3.18mm header pins
- High-performance electrical and mechanical performance



MAG-MATE Terminals and Splices

 High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved receptacles and various plating options



Positive Lock Terminals and Housings

- Integral lever locks receptacles onto tabs
- Low insertion force for improved ergonomics
- High temperature housings meet Glow Wire test and UL 94 V-0



<u>Ultra-Fast Terminals</u>

- Designed for full mating with a variety of tab styles including those with shoulders
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)
- Fully insulated FASTON receptacles

MOTOR SOLUTIONS



TE Connectivity's (TE) broad portfolio of connectors, relays, and tubing allow you to optimize control boards within home appliances. With proven quality and reliability, our solutions will help you get your product to market fast. Whether you are designing a board for a blender, air treatment product, coffee maker, floor care, or other home appliance, TE has solutions to simplify your process and improve your design for the next generation of home appliances.

POWER CONNECTORS



Economy Power II Connectors

- .156" [3.96mm] pitch
- · Rated 600VAC at up to 11A
- Well-suited for delivering power to the board with up to 12-positions
- Offer two levels of mechanical and electrical reliability



Mini Universal MATE-N-LOK Connectors

- Versatile line includes splash-proof models for applications that require sealing
- 600 VAC, 9.5A Current Rating



MTA 100/156 Connectors

- · Color coded housing for wire gage
- Tin, 15 and 30 gold plating options
- Audible latch for wire-to-wire (posted) housings
- Insulation displacement (IDC) technology to wire-to-board and wire-to-wire systems



Power Key Connectors

- Power circuit connector with 5.0mm contact centerline
- Wire-to-board connectors: plug housings for wires and PCB header assemblies
- Clear clicking sound easily confirms contact insertions. Double lock plate provides for complete loading of contacts



RAST Power Connectors

- Achieve high vibration performance and reliability with polarized latching receptacle, and reduce termination time with insulation displacement option
- 250 VAC, 2-16A Current Rating

TUBING



SWFR Heat Shrink Tubing

- Insulation and strain relief for fine gauge wire and fiber optic cables
- Moisture, fungus, and weather resistant for outdoor applications
- Thermal insulation of substrates, pipes, hoses and cables

SWITCHES



Tactile Switches

- Achieve any design with choice of actuator lengths and styles
- Support mass fabrication with several mounting options

SIGNAL CONNECTORS



AMP CT Connectors

- Two termination methods: IDC, crimp
- Kinked leg options for self-retention on boards
- IDC AWG 24-28, Crimp AWG 22~30
- RoHS compliant
- Component Program of Underwriters Laboratories Inc., File No. E28476



CST Connectors

- Centerline: 2.54mm
- Current Rating: 4A
- Voltage Rating: 250 VAC
- Flammability: UL 94 V-0



Economy Power 2.5mm Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs



SIGNAL CONNECTORS



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement



<u>High Performance Interconnects</u> (HPI)

- Achieve low signal/power connections in a 1.0mm to 2.5mm centerline footprint
- Prevent contact stubbing with polarized housings



Mini AMP-IN Connectors

- Centerline: 2.5mm
- Current Rating: 4A
- Voltage Rating: 250 VAC
- Flammability: UL 94 V-0



Signal Double Lock Connectors

- Centerline: 2.5mm
- · Current Rating: 3A
- Voltage Rating: 250 Volts AC/DC
- Flammability: GWT and UL 94 V-0

TERMINALS & SPLICES



AMPLIVAR Terminals and Splices

- Up to three magnet wires plus a lead wire in the same crimp
- Cu and Al magnet wire can be combined
- Penetrates the magnet wire insulation while simultaneously terminating wire



Positive Lock Terminals and Housings

- Integral lever locks receptacles onto tabs
- Low insertion force for improved ergonomics
- High temperature housings meet Glow Wire test and UL 94 V-0

TERMINALS & SPLICES



FASTIN-FASTON Terminals

- Tabs, receptacles and housings for single and multiple connections
- Terminals have locking lances for retention of contacts in housings
- 110, 187 and 250 series terminals



Ring and Spade Terminals

- Versatile mating options support solid or stranded single wire connections
- Offer a range of sizes, materials, configurations and platings to meet specific requirements



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved receptacles and various plating options



SIAMEZE Terminals

- Insulation displacement crimp (IDC) terminals interconnect copper magnet wires, lead wires, and other components
- Various types accept 36-12 AWG solid or stranded copper wire
- Manual, semi-automated, fully automated systems support efficient wire termination



MAG-MATE Terminals and Splices

 High speed, fully automated integrated systems provide uniform terminations reliably at the lowest possible applied cost



<u>Ultra-Fast Terminals</u>

- Designed for full mating with a variety of tab styles including those with shoulders
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)
- Fully insulated FASTON receptacles

POWER CORD SOLUTIONS



TE Connectivity's (TE) broad portfolio of connectors, relays, and tubing products allow you to optimize power cords for home appliances. With proven quality and reliability, our solutions will help you get your product to market fast. Whether you are designing a power cord for a blender or mixer, coffeemaker, rice cooker, floor care, or other home appliance, TE has solutions to simplify your process and improve your design for the next generation of home appliances.

POWER CONNECTORS



Economy Power II Connectors

- .156" [3.96mm] pitch
- Rated 600VAC at up to 11A
- Well-suited for delivering power to the board with up to 12-positions
- Offer two levels of mechanical and electrical reliability



MTA-100/156 Connectors

- Color coded housing for wire gage
- Tin, 15 and 30 gold plating options
- Audible latch for wire-to-wire (posted) housings
- Insulation displacement (IDC) technology to wire-to-board and wire-to-wire systems



Power Double Lock Connectors

- 1-12 position wire-to-wire or wire-to-board
- Audible click when contact is fully inserted into the housing
- Board-mounted headers are compatible with resin or conformal coatings



VAL-U-LOK Connectors

- Ratings up to 9A per line in a 4.2mm pitch wire-to-wire or wire-to-board connectors
- Mate first/break last option on 3 position single row receptacle housings
- As many as 24 positions in dual row configuration with optional TPA
- High current offering can reach 13A

TERMINALS & SPLICES



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved receptacles and various plating options



Positive Lock Terminals and Housings

- Integral lever locks receptacles onto tabs
- Low insertion force for improved ergonomics
- High temperature housings meet Glow Wire test and UL 94 V-0



Ring and Spade Terminals

- Versatile mating options support solid or stranded single wire connections
- Offer a range of sizes, materials, configurations and platings to meet specific requirements



<u>Ultra-Fast Terminals</u>

- Designed for full mating with a variety of tab styles including those with shoulders
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)
- Fully insulated FASTON receptacles



RELAYS



OJ/OJE/T77 Series Relays

- 1 form A (NO) contacts in various models support a range of loads, with contact ratings from 3 to 10 amps, plus TV-5
- Both sensitive (200mW) and standard (450mW) coil options accommodate various drive circuits



PCH Series Relays

- 5 to 10A rating
- 1 form A (NO) and 1 form C (CO) contact arrangements
- Sensitive coil available for 1 form A type



RZ Power PCB Relay

- Global standard platform for 16 Amp applications
- Designed to overcome micro welding in the contact interface to improve life time
- Standard versions for 85°C ambient temperature and high temperature versions for 105°C



T9A Series Relays

- Save PCB space with the smallest relay in its class while maintaining standard footprint
- Achieve a global relay solution with both UL, CQC and VDE certifications
- Help provide operator safety through increased insulation (UL 61810-1)

SIGNAL CONNECTORS



Economy Power 2.5mm Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs
- · Compact 2.5mm centerline



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement





SWFR Heat Shrink Tubing

- Insulation and strain relief for fine gauge wire and fiber optic cables
- Moisture, fungus, and weather resistant for outdoor applications
- Thermal insulation of substrates, pipes, hoses and cables

te.com MATE-N-LOK, POWER TRIPLE LOCK, VAL-U-LOK, GRACE INERTIA, Power Versa-Lock, AMP-IN, AMP, AMPMODU, MAG-MATE, SIAMEZE, AMPLIVAR, FASTON, FASTIN-FASTON, Positive Lock, POD-LOK, VERSAFIT, ATUM, TA, Potter & Brumfield, TE Connectivity, TE Connectivity (logo), TE (logo) and Every Connection Counts are trademarks owned or licensed by the TE Connectivity Ltd. family of companies.. All other logos, products and/or company names referred to herein might be trademarks of their respective owners. The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each

such product for the specific application.
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LIVE IN COMFORT

Living Room Product Solutions

RELIABLE CONNECTIONS FROM THE COMFORT OF YOUR HOME

Live in comfort with TE Connectivity's (TE) unmatched portfolio of reliable products that provide trusted performance behind your connected home. Bring convenience and comfort to your living room with TE's portfolio of connectors, sensors, terminals, and splices solutions that deliver enhanced comfort, reliability, and simplicity. With trends focusing on more connected devices with ease of use, engineers need to design for efficiency and simplicity while meeting global safety standards.



TE PRODUCT VALUE



LIVING ROOM PRODUCT SOLUTIONS



Relax in comfort knowing TE is the a great global partner to bring your next smart device to life for always-on connectivity. The living room provides a safe place to relax and enjoy company. TE offers product solutions for security cameras, smart speakers, doorbells, and ceiling fans that provide safety, reliability, and simplicity. When it comes to safety and reliability, we deliver robust, durable, and cost saving product solutions that secure connections for a safer tomorrow. Our mission is your comfort, explore reliable solutions that work hard so you don't have to.

PRODUCT SOLUTIONS

POWER CONNECTORS



Economy Power Connectors



Micro MATE-N-LOK Connectors



Mini Universal MATE-N-LOK Connectors



Universal MATE-N-LOK Connectors



MTA 156 Connectors



Power Key Connectors



VAL-U-LOK Connectors



POWER TRIPLE LOCK Connectors



Power Double Lock Connectors

SIGNAL CONNECTORS



Signal Double Lock Connectors



Signal GRACE INTERTIA Connectors



AMP CT Connectors



Flexible Printed
Circuit (FPC)
Connectors



AMPMODU Connectors



<u>High Performance</u> <u>Interconnects (HPI)</u>



Economy Power 2.5 Connectors



MTA 100 Connectors



MicroMT Connectors



USB 3.0 Connectors



LIVING ROOM PRODUCT SOLUTIONS ..



TERMINAL & SPLICES



MAG-MATE Terminals



SIAMEZE Terminals



AMPLIVAR Terminals



FASTON Terminals



FASTIN-FASTON Terminals



Positive Lock Terminals

SENSORS



RTD Platinum Sensors



Relative Humidity Sensors



Thermopile Sensors



Magnetic Sensors



Optical Sensors

TUBING



<u>Dual Wall Heat</u> <u>Shrink Tubing</u>



LSTT Tubing



CGPT Tubing

ANTENNAS



Embedded Antennas



<u>Custom</u> <u>Antennas</u>



<u>loT</u> <u>Antennas</u>

SWITCHES



DIP & SIP Switches



<u>Tactile</u> <u>Switches</u>



Rocker Switches



Snap Action Switches

te.com TE, MATE-N-LOK, POWER TRIPLE LOCK, VAL-U-LOK, GRACE INERTIA, AMP-IN, AMP, AMPMODU, MAG-MATE, SIAMEZE, AMPLIVAR, FASTON, FASTIN-FASTON, Positive Lock, $MTA, TE Connectivity \ and \ TE Connectivity \ (logo) are trademarks owned \ or \ licensed \ by \ the \ TE \ Connectivity \ Ltd. \ family \ of \ companies. \ All \ other \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ and/or \ company \ of \ logos, \ products \ of \ products \ of$ names referred to herein might be trademarks of their respective owners. The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be

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such product for the specific application.
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CLEAN HOME. RELIABLE SOLUTIONS.

Laundry Room Product Solutions

CLEAN HOME, ONE LESS THING TO WORRY ABOUT

Bring convenience and safety to your laundry room with TE Connectivity's (TE) portfolio of connector, sensor and protective component solutions that deliver enhanced functionality, safety, and time saving options. With trends focusing on sustainability and safety, engineers need to design for protection and durability while meeting global safety standards. Life is messy - keep it clean with our robust portfolio of energy-efficient and space-saving technology.



TE PRODUCT VALUE



LAUNDRY ROOM PRODUCT SOLUTIONS



TE Connectivity (TE) offers high-density connector systems and a broad range of connectors, sensors, and protective components to allow migration to smaller sizes as power requirements decrease. User interfaces and modes of operation are becoming more feature-rich within washers, dryers, and air purifiers. We offer the products you need to create a more efficient and reliable connected home. Think smart, worry less by discovering TE's unmatched portfolio of new and innovative product solutions.

PRODUCT SOLUTIONS

POWER CONNECTORS













Economy Power Connectors

Micro MATE-N-LOK Connectors

Mini Universal MATE-N-LOK Connectors

<u>Universal</u> MATE-N-LOK Connectors

MTA 156 Connectors

Power Key Connectors

VAL-U-LOK Connectors



POWER TRIPLE LOCK Connectors



Power Double Lock Connectors



RAST <u>Connectors</u>



GRACE INERTIA Connectors



Dynamic Series Connectors



Power Versa-**Lock** Connectors

SIGNAL CONNECTORS



Signal Double Lock Connectors



Signal GRACE INERTIA Connectors



AMP CT Connectors



Flexible Printed Circuit (FPC) Connectors



AMPMODU Connectors



High Performance Interconnects (HPI)



Mini I/O Connectors



Micro-MaTch Connector



MTA 100 Connectors



AMP Micro CT Connectors



USB 3.0 Connectors



TERMINAL & SPLICES



MAG-MATE Terminals



<u>Ultra-Fast</u> <u>Terminals</u>



SIAMEZE Terminals



AMPLIVAR Terminals



FASTON Terminals



FASTIN-FASTON Terminals



Positive Lock Terminals



POD-LOK Terminals



Cluster Block Terminals & Housings



Wire Splices



Ring Terminals & Spade Lugs

RESISTORS



Chassis Mount Resistors



Through-Hole Resistors



Surface Mount Resistors



Potentiometers Resistors

SENSORS



RTD Platinum Sensors



Relative Humidity Sensors



Pressure Sensors



Piezo Film Sensors

LAUNDRY ROOM PRODUCT SOLUTIONS.



RELAYS



PC Board Relays



Potter & Brumfield T9G Relays

SWITCHES



DIP & SIP Switches



Tactile Switches



Snap Action Switches

TUBING



RBK Tubing



RT-375 Tubing



ATUM Tubing



CGPT Tubing

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MATE-N-LOK, POWER TRIPLE LOCK, VAL-U-LOK, GRACE INERTIA, Power Versa-Lock, AMP-IN, AMP, AMPMODU, MAG-MATE, SIAMEZE, AMPLIVAR, FASTON, FASTIN-FASTON, Positive Lock, POD-LOK, ATUM, Micro-MaTch, RBK, MTA, Potter & Brumfield, TE Connectivity and , TE Connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

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THE POWER THAT CONNECTS

Lawn Tool Product Solutions

ENABLING CUTTING EDGE TECHNOLOGY FOR YOUR LAWN

Whether you are engineering a self-driving lawn mower or using a battery-operated weed trimmer or blower, TE Connectivity (TE) builds connectors, sensors, terminals, and splices that are durable and can withstand the harsh weather conditions. We can help take the work out of yard work and provide energy-efficient solutions that power your lawn and garden tools. Your ideal lawn is closer than you think.



TE PRODUCT VALUE



LAWN TOOL PRODUCT SOLUTIONS



Let us do the dirty work and bring powerful solutions to your next tool design. When it comes to safety and reliability TE Connectivity (TE) delivers robust, durable, and cost-saving solutions that protect what matters most. Our products can help keep your tools running efficiently with sustainable solutions that power through the most demanding projects.

PRODUCT SOLUTIONS

POWER CONNECTORS



Economy Power Connectors



Micro MATE-N-LOK Connectors



Mini Universal MATE-N-LOK Connectors



Universal MATE-N-LOK Connectors



MTA 156 Connectors



Power Key Connectors



VAL-U-LOK Connectors



POWER TRIPLE LOCK Connectors



Power Double Lock Connectors



Dynamic Series Connectors



Micro Motor Connectors



Power Versa-Lock Connectors

SIGNAL CONNECTORS



Signal Double Lock Connectors



Signal GRACE INERTIA Connectors



AMP CT Connectors



Flexible Printed
Circuit (FPC)
Connectors



AMPMODU Connectors



High Performance Interconnects (HPI)



Mini I/O Connectors



Micro-MaTch Connector



<u>Dynamic Series</u> <u>Connectors</u>



USB 3.0 Connectors



AMP Micro CT Connectors



MTA 100 Connectors

N

New product

LAWN TOOL PRODUCT SOLUTIONS



TERMINAL & SPLICES



MAG-MATE Terminals



<u>Ultra-Fast</u> <u>Terminals</u>



SIAMEZE Terminals



AMPLIVAR Terminals



FASTON Terminals



Ring Terminals & Spade Lugs



Wire Splices



Positive Lock Terminals

SENSORS



RTD Platinum Sensors



Magnetic Sensors



<u>KMXP</u> <u>Sensors</u>

RESISTORS



 $\frac{\text{NTC Thermistors}}{\text{Resistors}}$

SWITCHES



<u>Tactile</u> <u>Switches</u>

TUBING



ATUM Tubing



CGPT Tubing



HTAT Tubing

SOLUTIONS FOR SENSIFICATION



TE Connectivity (TE) sits at the heart of enabling sensification within lawn and garden applications. Our broad product portfolio of connectors, sensors, tubing, terminals, and splices create innovative solutions for pumps, motors, lawn and garden equipment and power tools.

CONNECTORS



Micro MATE-N-LOK Connectors

- · Low profile design
- Dual beam receptacle contact design
- Right angle surface mount headers with surface mount hold-downs
- Utilizes standard Micro MATE-N-LOK contacts



Economy Power 2.5 Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement



HPI Connectors

- · Provides design flexibility
- Cost effective wire-to-board
- Ensures proper compatibility of both the header and the housing
- · Prevents stubbing contacts



Dynamic Series Connectors

- Offers both wire-to-board and wire-to-wire
 applications
- Provide efficient and reliable device connector solution for multiple systems
- Covers a wide range of expanding connector types



Micro-MaTch Cable Assemblies

- Full range of application tooling from hand tool to fully automated equipment
- One of the smallest systems available at 1.27mm



M8/M12 Connectors

- Field-installable connectors for high-speed communication
- Environment protection IP67 & IP68
- X-coded connectors support higher bandwith needs of up to 10 Gb/s

TERMINALS & SPLICES



AMPLIVAR Terminals and Splices

- Up to three magnet wires plus a lead wire in the same crimp
- Cu and Al magnet wire can be combined Penetrates the magnet wire insulation while simultaneously terminating wire



MAG-MATE Terminals

- High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost
- Accommodates single or double wire termination 30-40 AWG



Ring and Spade Terminals

- Versatile mating options support solid or stranded single wire connections
- Offer a range of sizes, materials, configurations and platings to meet specific requirements

TUBING



SWFR Heat Shrink Tubing

- Highly flame-retardant with UL VW-1 and CSA OFT flammability rating
- Environmentally friendly formula is essentially free of halogens, permitting use in enclosed areas where emission of toxic gasses from burning materials

SOLUTIONS FOR SENSIFICATION



SENSORS



AmbiMate Sensor Module

- Sense motion, light, temperature, humidity, VOCs, eCO2, sound on one assembly
- One footprint with multiple attachment methods accommodates varying needs



TRICAN HTD 2800 Sensor

- Provides digital output signals for relative humidity, temperature and pressure from a single device
- Rugged sensor is optimized for high humidity, high temperature harsh environments



Humidity Temperature Sensor

- Full interchangeability with no calibration required in standard conditions
- Instantaneous desaturation after long periods in saturation phase
- Compatible with automatized assembly processes



NTC Thermistors

- Discrete Negative Temperature Coefficient thermistors, probes and assemblies meet a range of temperature sensing needs
- While miniature in size, they offer long term stability, accuracy and precision



FX29 Force Sensor

- Compact compression load cell features robust packaging, fast response time and low output noise
- Offers millivolt, amplified analog or digital output signal



KMXP Linear Position Sensor

- Able to withstand a multitude of harsh environments
- Magneto resistive technology delivers contactless measurement with precise, high resolution
- Packages support multiple orientations



DOG2 MEMS-Series inclinometer

- Features digital signal processing to include temperature compensation
- Integrated filter improves performance
- Adjustable sensor to fit different environments can yield an optimized performance

SOLUTIONS FOR USER INTERFACE



Our broad portfolio of connectors, sensors, relays, and tubing allow optimization within user interface systems. With proven quality, reliability and efficiency, our products will help meet innovative design requirements. Whether designing a display or control system for a lawn mower, power tool, pump, motor or other application, TE's solutions help simplify your process and improve designs for the next generation of lawn and garden applications.

CONNECTORS



AMPMODU MTE Connectors

- · Design offers latching and polarization
- Coupling shrouds permit ganging for single or double row latching connectors
- · Available in three platings
- wire range 32 20 AWG



VAL-U-LOK Connectors

- Wire-to-wire and wire-to-board pin and socket connector system
- Centerline pitch .165" [4.20mm]
- Up to 13A max. current rating for new high current types, 9A for legacy types



CST II Connectors

- Centerline: 2.54mm, Current Rating: 4A
- Voltage Rating: 250 VAC
- Flammability: UL 94 V-0
- · Wire Size: 26-22 AWG
- Position Size: 2-28



Signal Double Lock Connectors

- Centerline: 2.5mm
- Current Rating: 3A
- Voltage rating: 250V
- Choice of V-0 rated material or GWT and V-0 rated material



AMP-LATCH Connectors

- Offers quick, reliable connections without stripping, prepping wires
- Offer a reliable gas tight connecton betweeen ribbon cable and PCBs
- Mass termination capabilities



Economy Power 2.5 Connectors

- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tab



Economy Power Connectors

- Positive audible latch designed for easier mating and unmating
- Polarization tabs help prevent post misalignment
- Broad portfolio includes 3.96mm, 5.08mm, 7.92mm centerline families



Micro-MaTch Cable Assemblies

- Full range of application tooling from hand tool to fully automated equipment
- One of the smallest systems available at 1.27mm



Micro Motor Connectors

- Power and brake abilities combined into one connector
- Micro Motor utilizes standard cable sizes
- Meets both European and Ameircan standards



GRACE INERTIA 2.5 Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism helps prevent unintended disconnection
- Lanceless contacts prevent snagging or entanglement



HPI Connectors

- Provides design flexibility
- Cost effective wire-to-board
- Ensures proper compatibility of both the header and the housing
- Prevents stubbing contacts



Mini I/O Connectors

- Increased reliability and vibration resistance
- Up to Cat6A performance when used in Industrial Ethernet applications
- Enables wire-to-wire connections



Dynamic Series Connectors

- wire-to-board, wire-to-panel, and wire-to-wire
- Provide efficient and reliable device connector solution for multiple systems
- Covers a wide range of expanding connector types



MTA 100 Connectors

- 2-28 positions, shrouded headers 2-14
- Terminates 28-22 AWG discrete wire or notched ribbon cable
- 250V, 5A rating



TERMINALS & SPLICES



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved and non-stress relieved receptacles and various plating options



Splices

- Broad range of crimp, insulation displacement connection (IDC), or other types of splice technology
- Accommodate solid or stranded wire copper, aluminum or a combination of both



<u>Ultra-Fast Terminals</u>

- Fully insulated tabs and receptacles are color coded by wire size
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)



SIAMEZE Terminals

- Insulation displacement connection terminals for magnet wires and solid or stranded lead wires
- Broad range of input/output options





Tactile Switches

- Achieve any design with choice of actuator lengths and styles
- Support mass fabrication with several mounting options

RELAYS



OJ/OJE/T77 Series Relays

- 1 form A (NO) contacts in various models support a range of loads, with contact ratings from 3 to 10 amps, plus TV-5
- Both sensitive (200mW) and standard (450mW) coil options accommodate various drive circuits



RZ Power PCB Relays

- Weld breaker mechanism overcomes micro welding to help improve life
- · Approved at UL, VDE and CQC
- 1 form A and 1 form C contacts with ratings to 16A

TUBING



SWFR Heat Shrink Tubing

- Highly flame-retardant with UL VW-1 and CSA OFT flammability rating
- Environmentally friendly formula is essentially free of halogens, permitting use in enclosed areas where emission of toxic gasses from burning materials containing halogens is undesirable



VERSAFIT Heat Shrink Tubing

- Offers a highly flame-retarded polyolefin heatshrinkable tubing
- Meets stringent requirements of UL 224 VW-1 and CSA and is recommended for use in applications requiring highest level of flame retardance

SOLUTIONS FOR MOTORS



Whether you are designing power tools, lawn and garden equipment or creating new designs for motors and pumps, TE is committed to providing a broad product portfolio to help optimize lawn and garden applications. Our portfolio of connectors, tubing, terminals and splices provides cost-efficient and reliable solution for the next generation of lawn and garden applications.

CONNECTORS



Micro MATE-N-LOK Connectors

- · Low profile design
- · Dual beam receptacle contact design
- PCB mount pin header assemblies
- Utilizes standard Micro MATE-N-LOK contacts



Economy Power II Connectors

- .156" [3.96mm] pitch
- Rated 600VAC at up to 11A
- Well-suited for delivering power to the board with up to 12-positions
- Offer two levels of mechanical and electrical reliability



Economy Power 2.5 Connectors

- 2.5mm compact centerline rated for 250VAC at up to an industry-leading 4.2A
- Achieve easy mating and unmating with positive audible latch
- Prevent post misalignment with polarization tabs



VAL-U-LOK Connectors

- Wire-to-wire and wire-to-board pin and socket connector system
- Pitch: .165" [4.20mm]
- Up to 13A max. current rating for new high current types, 9A for legacy types



HPI Connectors

- · Provides design flexibility
- · Cost effective wire-to-board
- Ensures proper compatibility of both the header and the housing
- Prevents stubbing contacts



AMP Mini CT Connectors

- Provide design flexibility for wire-to-wire and wire-to-board connections in space limited applications
- 1.5mm centerline
- 2 kinds of termination method: IDC, crimp
- Circuits range from 2-20 single row, 22-40 dual row; AWG 24-28



Power Double Lock Connectors

- 1-12 position WTW or WTB
- Audible click when contact is fully inserted into the housing
- Board-mounted headers are compatible with resin or conformal coatings



POWER TRIPLE LOCK Connectors

- 6mm centerline, rated to 20A, 600 VAC/VDC
- · Polarization and keying
- Multiple points of contact and anti-fretting lubricant on terminals
- Three way locking



Micro Motor Connectors

- Power and brake abilities combined into one connector
- Micro Motor utilizes standard cable sizes
- Meets both European and Ameircan standards



Universal MATE-N-LOK Connectors

- Centerline: 6.35mm
- Current Rating: 19A
- 600 VAC or VDC
- Flammability: UL 94 V-0, UL 94 V-2, GWT
- Optional seals available



Dynamic Series Connectors

- Offers both wire-to-wire and wire-to-board applications
- Provide efficient and reliable device connector solution for multiple systems
- Covers a wide range of expanding connector types



TERMINALS & SPLICES



AMPLIVAR Terminals and Splices

- Up to three magnet wires plus a lead wire in the same crimp
- · Cu and Al magnet wire can be combined
- Penetrates the magnet wire insulation while simultaneously terminating wire



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved and non-stress relieved receptacles and various plating options



MAG-MATE Terminals

- High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost
- · Accommodates Cu or Al wire



Ring and Spade Terminals

- Versatile mating options support solid or stranded single wire connections
- Offer a range of sizes, materials, configurations and platings to meet specific requirements



<u>Ultra-Fast Terminals</u>

- Fully insulated tabs and receptacles are color coded by wire size
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)



SIAMEZE Terminals

- Insulation displacement connection terminals for magnet wires and solid or stranded lead wires
- Broad range of input/output options



Positive Lock Receptacles and Housings

- Low insertion force/high retention
- Available for wide range of wire sizes and enchanced reliability to ensure a total solution

TUBING



SWFR Heat Shrink Tubing

- Environmentally friendly formula is essentially free of halogens, permitting use in enclosed areas where emission of toxic gasses from burning materials containing halogens is undesirable
- Highly flame-retardant with UL VW-1 and CSA OFT flammability rating



Specialty Heat Shrink Tubing

- High performance tubing for demanding requirements
- Available in a variety of materials, colors, shrink ratios, and sizes
- Offers alternative high-performance options for wide-reaching applications



HT-200 Heat Shrink Tubing

- High flame-resistance meets the requirements of AMS-DTL-23053, Test C and ASTM D2671, Procedure C
- High temperature performance meets or exceeds military and industrial standards
- Offers protection from most industrial solvents, fuels and chemicals



VERSAFIT Heat Shrink Tubing

- Offers a highly flame-retarded polyolefin heatshrinkable tubing
- Meets stringent requirements of UL 224
 VW-1 and CSA and is recommended for use in applications requiring highest level of flame retardance.

SOLUTIONS FOR POWER SYSTEMS



TE Connectivity's (TE) cost-effective connectivity solutions are enhancing power systems within lawn and garden applications. Our products enable efficient, smarter, and more connected devices. With proven quality and reliability, TE can simplify design processes and help optimize devices with a full product solution.

CONNECTORS



Signal Double Lock Connectors

- Centerline: 2.5mm
- · Current Rating: 3A
- Voltage rating: 250V
- Choice of V-0 rated material or GWT and V-0 rated material



Economy Power Connectors

- Positive audible latch designed for easier mating and unmating
- Polarization tabs help prevent post misalignment
- Broad portfolio includes 3.96mm, 5.08mm, 7.92mm centerline families



Power Double Lock Connectors

- 1-12 position WTW or WTB
- Audible click when contact is fully inserted into the housing
- Board-mounted headers are compatible with resin or conformal coatings



Micro MATE-N-LOK Connectors

- Low profile design
- Dual beam receptacle contact design
- PCB mount pin header assemblies
- Utilizes standard Micro MATE-N-LOK contacts



VAL-U-LOK Connectors

- Wire-to-wire and wire-to-board pin and socket connector system
- Centerline pitch .165" [4.20mm]
- Up to 13A max. current rating for new high current types, 9A for legacy types



AMPMODU MTE Connectors

- Design offer latching and polarization
- Coupling shrouds permit ganging for single or double row latching connectors
- · Available in three platings
- Multiple solder tail lengths available to accommodate different PCB thicknesses



Signal GRACE INERTIA Connectors

- Design assures proper insertion, preventing header pin deformation
- Inertia locking mechanism assure terminal seating and helps prevent unintended disconnection
- · Lanceless contacts prevent snagging



<u>Universal MATE-N-LOK Connectors</u>

- Centerline: 6.35mm
- Current Rating: 19A
- 600VAC or VDC
- Flammability: UL 94 V-0, UL 94 V-2, GWT
- Optional seals available



MTA Connectors

- · Color coded housing for wire gage
- Tin, 15 and 30 gold plating options for a wider variety of connector options
- Audible latch for wire-to-wire (posted) housings
- Mass termination for low applied cost



Power Key Connectors

- 5mm pitch WTB connector system
- R-saped design figure eases working conditions
- Four color and physical keying options help prevent mis-mating



Economy Power 2.5 Connectors

- 2.5mm centerline with rating to 4.2A
- Achieve easy mating/unmating with positive audible latch
- Prevent post misalignment with polarization tabs



AMP Mini CT Connectors

- Provide design flexibility for wire-to-wire and wire-to-board connections in space limited applications
- 1.5mm centerline
- Circuits range from 2-20 single row and 20-40 dual row, IDC AWG 26-28, Crimp AWG 24-28



TERMINALS & SPLICES



Positive Lock Terminals and Housings

- · Low insertion force/high retention
- Available for a wide range of wire sizes, offering enhanced reliability in standard and high temperature versions



AMPLIVAR Terminals and Splices

- Up to three magnet wires plus a lead wire in the same crimp
- · Cu and Al magnet wire can be combined
- Penetrates the magnet wire insulation while simultaneously terminating wire



FASTON Terminals

- Insulated and uninsulated, straight and flag configurations
- Stress relieved and non-stress relieved receptacles and various plating options



MAG-MATE Terminals

- High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost
- Accommodates Cu or AL wire



Ring and Spade Terminals

- Versatile mating options support solid or stranded single wire connections
- Offer a range of sizes, materials, configurations and platings to meet specific requirements



Ultra-Fast Terminals

- Fully insulated tabs and receptacles are color coded by wire size
- Terminate 26-10 AWG solid, fused and stranded wire (flags terminate stranded wire only)

SWITCHES



Tactile Switches

- Achieve any design with choice of actuator lengths and styles
- Support mass fabrication with several mounting options

TUBING



SWFR Heat Shrink Tubing

- Highly flame-retardant with UL VW-1 and CSA OFT flammability rating
- Environmentally friendly formula is essentially free of halogens, permitting use in enclosed areas where emission of toxic gasses from burning materials containing halogens is undesirable



Specialty Heat Shrink Tubing

- High performance tubing for demanding requirements
- Available in a variety of materials, colors, shrink ratios, and sizes
- Offers alternative high-performance options for wide-reaching applications



DWFR Heat Shrink Tubing

- Able to be easily installed using multiple types of heating tools, ranging from basic heat guns to conveyer-equipped ovens
- Consists of a polyolefin jacket and thermoplastic inner adhesive wall



VERSAFIT Heat Shrink Tubing

- Offers a highly flame-retarded polyolefin heatshrinkable tubing
- Meets stringent requirements of UL 224 VW-1 and CSA and is recommended for use in applications requiring highest level of flame retardance

te.com TE, MATE-N-LOK, POWER TRIPLE LOCK, VAL-U-LOK, GRACE INERTIA, Power Versa-Lock, AMP-IN, AMP, AMPMODU, MAG-MATE, SIAMEZE, AMPLIVAR, FASTON, Positive Lock, $AMP-LATCH,\ Micro-MaTch,\ AmbiMate,\ TRICAN,\ KMXP,\ VERSAFIT,\ ATUM,\ MTA,\ TE\ Connectivity,\ TE\ Connectivity,\ Ogo)\ and\ TE\ (logo)\ are\ trademarks\ owned\ or\ licensed\ by\ the$ TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners. The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each



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Original

02/23