

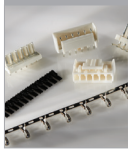


## Solutions For Control Boards In Home Appliances

**At TE Connectivity (TE), our cost-effective connectivity solutions are helping to optimize home appliance applications.**

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



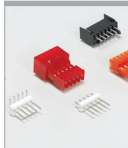
### Economy Power II Connectors

- .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

- Low profile design
- Dual beam receptacle contact design
- PCB mount pin header assemblies



### MTA-100/156 Connectors

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



### Power Key Connectors

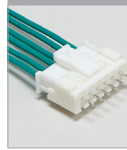
- Power circuit connector with 5.0mm contact centerline
- Wire-to-board connectors: plug housings for wires and PCB header assemblies
- Clear clicking sound easily confirms contact insertions. Double lock plate provides for complete loading of contacts



### VAL-U-LOK Connectors

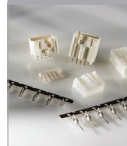
- Ratings up to 9A per line in a 4.2mm pitch WTW or WTB connectors
- Mate first/break last option on 3 position single row receptacle housings
- As many as 24 positions in dual row configuration with optional TPA

## SIGNAL CONNECTORS



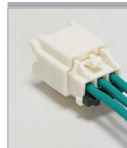
### Economy Power 2.5mm Connectors

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



### Signal Double Lock Connectors

- Centerline: 2.5mm
- Current Rating: 3A
- Voltage Rating: 50 Volts AC/DC
- 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

## TERMINALS & SPLICES



### FASTON Terminals

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



### MAG-MATE Terminals and Splices

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



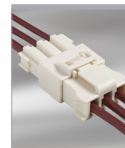
### Positive Lock Terminals and Housings

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



### Ultra-Fast Terminals

- 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)



### 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

## SWITCHES



### Tactile Switches

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

## RELAYS



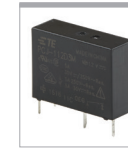
### OJ/OJE/T77 Series Relays

- 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 both UL, CQC and VDE certifications
- Help provide operator safety through increased insulation (UL 61810-1)



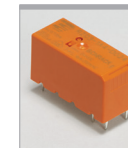
### PCJ Series Relays

- 1 form A (NO) contacts are rated 5 amps
- Slim (7mm wide) design saves board space and is offered in flux proof and wash tight versions
- Sensitive coil requires only 200mW of coil power



### PCH Series Relays

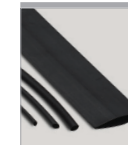
- 5 to 10A rating
- 1 form A (NO) and 1 form C (CO) contact arrangements
- Sensitive coil available for 1 form A type



### 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

## 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

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