

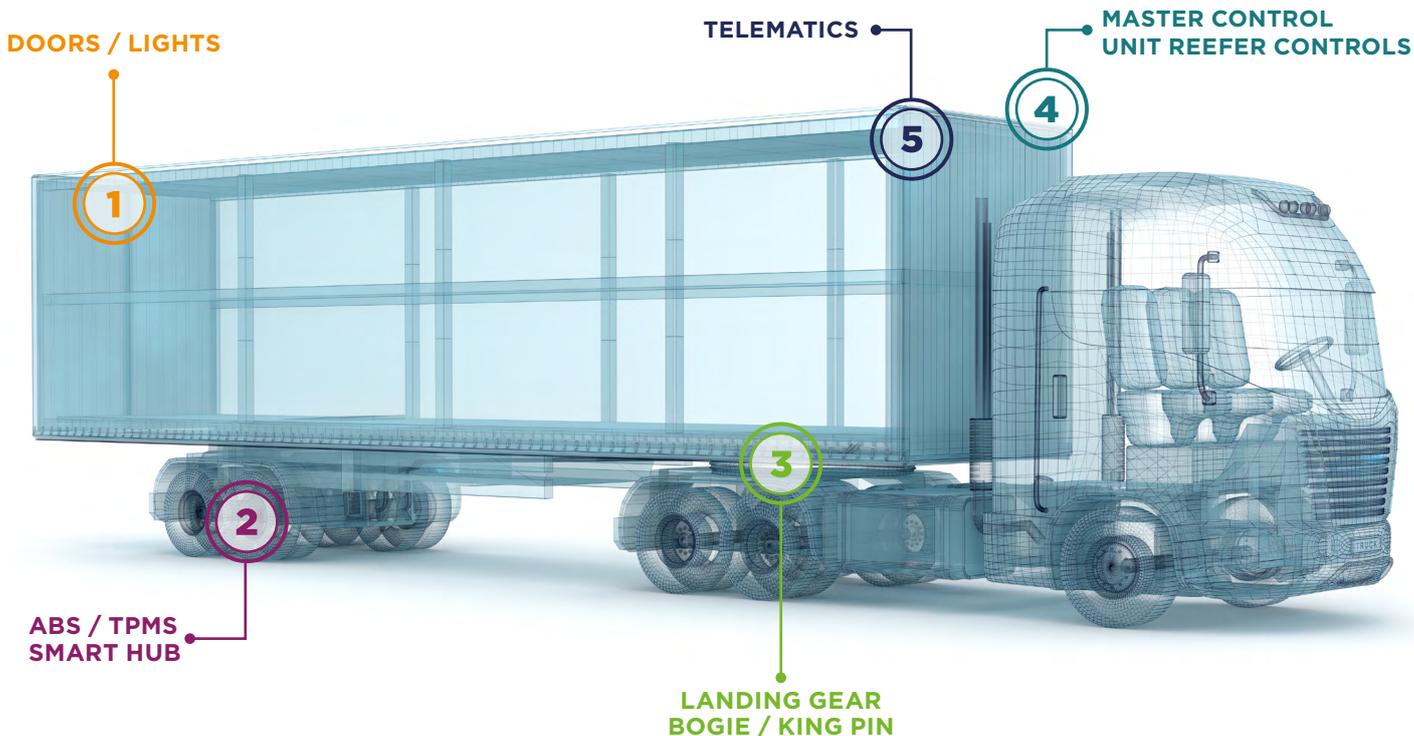
CONNECTIVITY SOLUTIONS FOR TRAILERS

Forward-looking now, dependable always.



Our commitment to innovation means that TE Connectivity (TE) is well-positioned to work with you to usher in the future of trailer connectivity and intelligence.

With decades of experience, a broad portfolio, and rigorous product design expertise equates to dependability at the drawing table, in manufacturing, and out in the field.



Heavy Duty Sealed Connector Series



- Accepts contact sizes 6.3/4.8K (up to 40 amps), 2.8 (up to 40 amps), and 1.5K (up to 20 amps)
- 6.00 - 0.20 mm²
- 2, 3, 4, 6, 7, 8, 10, 12, 15, 16, and 18 cavity arrangements
- In-line or flange mount
- Slide lock for mating

SUPERSEAL 1.0 Connectors



- Accepts contact size 1.0 mm (up to 15 amps)
- 1.25-0.50 mm²
- 26, 34, and 60 cavity arrangements
- PCB mount
- Integrated latch for mating
- TPA confirms contact alignment and retention
- Compact system minimizes packaging requirements
- Sealing reliability proven under harsh conditions
- Designed for ease of manual harness assembly, engine mounting and under hood environments

AMPSEAL 16 Connector with Coaxial Terminals



- Up to 9GHz operating frequency
- IP67/IP6K9K (with backshell) dust and water protection
- Handles broad temperature range from -40°C to +125°C (cable dependent)
- Primary Latch Reinforcement (PLR) designed to help avoid contact misalignment
- Supports RTK031, RG174, DACAR462 cable types
- 4-color coded keying options

AMPSEAL Connectors



④ ⑤

- Design flexibility with connectors and contacts supporting wire sizes from 16 to 24 AWG
- Secure positive contact seating through secondary contact locking and lanceless contacts
- Protect from dust, water, and overspray with up to IP69K rugged sealing capabilities
- Reduce wire strain and ease assembly with tool-less backshells available for all housing sizes

AMPSEAL 16 Connectors



① ② ③ ④

- Accepts contact size HDSF 16 (13 amps).
- 14-20 AWG (2.50 - 0.50 mm²)
- 2, 3, 4, 6, 8, and 12 cavity arrangements
- In-line mount
- Rectangular, thermoplastic housing. Integrated latch for mating
- Integrated Primary Latch Reinforcement confirms contact alignment and retention
- HT version designed for -40°C to +150°C

LEAVYSEAL Connectors



② ④ ⑤

- Design flexibly with 7 housing sizes, in-line/flange or PCB mounting options and mixed terminal sizes in one housing
- Facilitate easy assembly with lever design
- Minimize mismatching and misidentification with four connector colors and mechanical polarized keyings
- Connect securely with an integrated secondary locking device
- Protect against harsh environments with IP67 and IP69K (when used with a backshell) ratings

DEUTSCH DTM Connectors



① ② ③ ④

- Accepts contact size 20 (7.5 amps)
- 14-22 AWG (2.50-0.35 mm²)
- 2, 3, 4, 6, 8, and 12 cavity arrangements
- In-line, flange, or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks confirm contact alignment and retention

DEUTSCH DT Connectors



① ② ③ ④

- Accepts contact size 16 (13 amp rated)
- 14 - 20 AWG (2.50 - 0.50 mm²) wiring
- 2, 3, 4, 6, 8, and 12 circuit arrangements
- In-line, flange, or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks confirm contact alignment and retention
- Achieves sealing level (Inline) IP68 and IP6K9K (with backshell)

NTSEAL Connectors



① ② ④

- Utilizes the high-performance DEUTSCH size 16 and 20 common contact system
- Achieves sealing levels of IP67/IP68/IP6K9K (with back shell) with enhanced seal retention features
- Designed for extreme temperatures (-40°C to +125°C) and engine-level vibrations
- Integrated TPA ensures proper contact installation

enetSEAL+ Connectors



② ③

- Up to 100 Mbit/s full duplex
- Compliant with IEEE 802.3bw 100BASE-T1
- IP67/IP6K9K (with backshell) dust and water protection
- Handles broad temperature range from -40°C to +125°C
- PoDL class 3 - 48 V
- Built-in secondary locking feature
- Multiple keying options

Single Pair Ethernet Connectors



② ③

- Compliant with industry standard protocol IEEE802.3bp, 100base-T1 and 1000base-T1 (1 Gb)
- IP67/IP6K9K (with backshell) dust and water protection
- Handles broad temperature range from -40°C to +125°C (cable dependent)
- PoDL Class 3 - 48 V
- Hybrid connection solution: ethernet + power

HVA HD400



⑤

- Capable of handling up to 1000 VDC, and 60 A (at 80°C)
- Can withstand transmission-level vibrations
- Connector Position Assurance (CPA) for additional security
- High protection level - IP68 IP6K9K and sand and dust protection on lock structure
- 2 or 3 positions in same interface for compact design

SUPERSEAL Pro Connectors



① ② ③ ④

- Design with proven MCON 1.2 SWS terminal offering a 17 A current carrying capacity and provide vibration resistance in compliance with USCAR V2
- Achieves sealing levels of IP67/IP68/IP6K9K (with back shell)
- Improve flammability rating with UL 94 VO PBT material
- Terminal Position Assurance (TPA) pre-lock design

DEUTSCH EEC box



① ② ③

- Through hole mounting flange on each side of enclosure
- Headers accommodate one or more DT or DTM Series interfaces
- Headers feature 90° pins
- Radial flange seal provides environmental sealing
- Optional venting

EEC Header with TNC/SMA Interface



② ③

- Rugged, sealed solution for printed circuit board applications
- 12 position DEUTSCH DTM interface with 4 keying options
- Sealed TNC or SMA coax interface
- UMCC cable interface to PCB
- Mates with DEUTSCH PCB enclosures

BT/WLAN



② ④ ⑤

- Powerful, high-quality reception.
- Adaptation to available installation spaces
- External or integrated antennas available.
- Robust, flexible use
- Wide range of configuration options

GNSS



② ④ ⑤

- A wide range of multi-port antennas suited to various IoT and vehicle-mount applications.
- Common frequencies covered include UHF, Cellular, WLAN and GNSS from a single antenna.

Cellular



② ④ ⑤

- Wireless application: Cellular, GNSS, GPS, GSM, LTE, WLAN, WiMAX, Bluetooth, DSRC
- Mounts to: Rail rooftop
- Mounting retention type 4-hole
- Mount antenna connection type: Cable assembly

Cellular



② ④ ⑤

- For High Data-rate requirement: MiMo CELL, MiMo WLAN/Bluetooth or DSRC, GNSS with Mag/adhesive/Scr mounting options
- Various applications/versions available, (cable lengths connectors too)

Iridium



② ④ ⑤

- Mult Channel Satellite Communication for use in telematic applications
- Low profile (10 mm height)
- Adhesive or screw mount
- Customization of cable lengths, types and connectors possible

ORBCOMM



② ④ ⑤

- Mult Channel Satellite Communication TSP for smart SAT/CELL/WLAN Antennas
- With formal acceptance by ORBCOMM Communication Antennas

KISSLING Relays & Switches



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KISSLING Relays

- Nongas-filled
- IP67/IP6K9K standards compliant
- Up to 600 VDC and 1000 A
- Up to 100,000 cycles under full load

KISSLING Power Switches

- Wide variety of styles, including plunger, micro, encapsulated and HMI switches
- Meets or exceeds IP67/IP6K9K standards

Custom Solutions

- Built to industry standards
- For power distribution modules and power PCB assemblies

Power Distribution Solutions



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- Off the-shelf direct wire fuse and relay enclosure products in 2-60 circuit configurations, and 1x2 to 5x12 grids
- Uses AMP MCP terminals, available in tin and silver platings for variety of wire sizes
- Multiple sizes and mounting options – easy to mount using optional flanges or using DEUTSCH or AMPSEAL 16 mounting clips
- Rated to IP67 standards with cover

Speed Sensors



② ③

- Handles broad temperature range from -40°C to +300°C
- Multiple channels available in one housing, e.g. for separate monitoring, control systems and redundancy
- Robust electrical design to withstand EMC and EMI disturbances
- Configurable, intelligent electronics with temperature and sensor diagnostics

**TE'S COMMITMENT TO INNOVATION
MEANS THAT WE ARE WELL-POSITIONED
TO USHER IN THE FUTURE OF TRAILER
CONNECTIVITY AND INTELLIGENCE.**

Connectivity Solutions for Trailers

Forward-looking now, dependable always.

ABOUT TE CONNECTIVITY

TE Connectivity is a \$12 billion global industrial technology leader creating a safer, sustainable, productive and connected future. Our broad range of connectivity and sensor solutions, proven in the harshest environments, enable advancements in transportation, industrial applications, medical technology, energy, data communications and the home.

With approximately 80,000 employees, including more than 7,500 engineers, working alongside customers in approximately 140 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com and on LinkedIn, Facebook, WeChat and Twitter.

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. For additional information or product assistance, please contact your field representative or our customer service department. Additional information is also available on the website te.com/ict.

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