



## Solutions For Sensification In Personal Healthcare

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

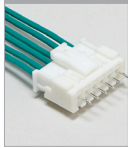
TE Connectivity sits at the heart of enabling sensification in personal healthcare devices. Our broad product portfolio includes the connectors, sensors, and 5G-ready solutions needed to take personal healthcare devices to the next generation of innovation. From blood pressure sensing to monitoring devices, our sensors and product solutions are enabling the collection of localized data to better serve the personal healthcare space.

## CONNECTORS



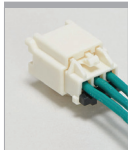
### CT Connectors

- Provide design flexibility for wire-to-wire and wire-to-board connections in space limited applications
- Two termination methods: IDC, crimp
- Kinked leg options for self-retention on boards
- IDC AWG 24-28



### 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



### Signal Double Lock Connectors

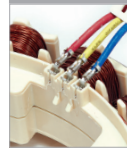
- Centerline: 2.5mm
- Current Rating: 3A
- Voltage Rating: 50 Volts AC/DC
- Flammability: GWT and UL 94 V-0

## 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



### MAG-MATE Terminals

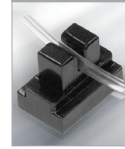
- High speed, fully automated integrated systems provide uniform magnet wire terminations reliably at the lowest possible applied cost



### 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

## SENSORS



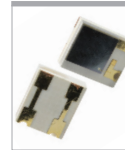
### AD-101 Air Bubble Detector

- Detects bubble size as small as 70% of tubing inner diameter
- Sensor customizable to fit tube or pipe
- Tubing size from 3 mm to 10 mm
- Non-invasive design eliminates sterility and fluid compatibility concerns



### Finger Clip Photo Optic Sensor

- Durable, lightweight & ergonomic design
- Latex free and biocompatibility tested to meet industry standards
- Reusable SpO<sub>2</sub> Sensors



### ELM5000 Photo Optic Sensor

- 660nm  $\pm$ 3nm peak wavelength red LED
- Two IR wavelength choices
- Dual drive technology



### Force Load Cell

- Standard and custom designs for various test and measurement applications
- Automotive test, miniature, and multi-axial force cell types along with supporting electronics
- Compression and tension load cells available



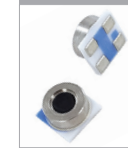
### Humidity Temperature Sensor

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



### MS4145 Pressure Sensor

- Low cost, high performance transducer
- Fully calibrated and temperature compensated with a total error band (TEB) of less than 1.0% over the compensated range
- Available in side port, top port, and manifold mount versions



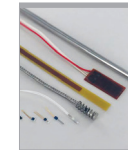
### MS5840 Pressure Sensor

- High linearity digital pressure sensor with ultra-low power
- High-resolution module, 13 cm
- Supply voltage: 1.5 to 3.6 V
- Fast conversion down to 0.5 ms



### NTC Thermistors

- Custom and standard machined metal housings available in brass, stainless steel, aluminum, and exotic alloys
- Plastic over-molding options
- Temperature range from -80°C to +300°C
- Global engineering support for custom design solutions



### RTD Temperature Sensors

- Precise measurement in extreme environments
- Engineered to withstand extreme temperatures -200°C to <600°C
- Greater engineering efficiency due to linear output
- Complete range for numerous applications

## te.com

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