

CONNECTIVITY AND SENSOR SOLUTIONS FOR RESPIRATORY DEVICES

DESIGNED TO LAST - WITH PERFORMANCE AND MOBILITY IN MIND

Whether you are designing a respiratory or monitoring device, TE Connectivity's (TE) robust product portfolio helps ensure that your designs are built to last and manufactured efficiently. Our extensive portfolio of connectors, terminals, relays, tubing and sensors, backed by 70 years of proven quality and reliability, are designed to help you meet your innovative design ideas for the next generation of personal healthcare devices.

ELECTROMECHANICAL



Board Level Shielding

Metal cages help provide isolation of board level components, minimize crosstalk, and reduce EMI susceptibility, all without impacting system speed.



Tactile Switches

Tactile switches are designed to be mounted onto a printed circuit board (PCB). They are compact, low profile and do not rise high above the PCB, a vital attribute when considering the keyboards used for slim devices such as notebook computers.



OJE Relays

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



PCH Relays

1 Form A (NO) and 1 Form C (CO) models with contact ratings from 5 to 10A. Sensitive coil available for 1 Form A type.



Signal Relays

TE Connectivity relays are reliable and enhance productivity. High-performance types are designed to withstand extreme shock, vibration, temperature and altitude.



Circuit Breakers

Potter & Brumfield Circuit Breakers product line consists of thermal and magnetic types, protecting equipment across multiple application settings.

SENSORS



M3200

The M3200 series compact industrial pressure transducer, with analog or digital output, is suitable for measurement of liquid or gas pressure.



MS4525

The MS4525 is a small, ceramic based, PCB mounted pressure transducer with analog or digital output.



SM9000

The SM9000 series offers ultra-low pressure sensing (down to 125 Pa) with a 16-bit I²C Interface in a small SOIC-16 housing for air and gas flow applications.



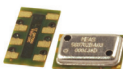
SM7000/SM6000/SM5000

The SM7000/6000/5000 series are low pressure sensors with a digital or dual (digital and analog) output in a compact board mount package.



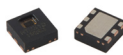
TSYS03

A ultra-compact, precise digital temperature sensor available in TDFN8 and XDFN6 packages.



MS5607

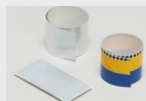
A high resolution pressure sensor with SPI and I²C bus interface.



HTU31

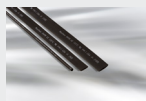
One of the smallest and most accurate humidity sensors on the market. Available in digital and analog versions, provides fast response time, precision measurement, low hysteresis and sustained performance, even in the harshest environments.

HEAT SHRINK TUBING AND LABELING



Identification Labeling

Designed for the most rigorous indoor or outdoor use, our portfolio of wiring identification and labeling features flexible options including adhesive-backed wiring and cable labels, heat-shrinkable sleeves, cable markers, and hardware/software systems for onsite customization.



SWFR

Single wall, flexible, highly flame-retardant, cross-linked polyolefin tubing. Insulates and mechanically protects components and terminations. Offered in two types X2 (thin wall) and X4 (very thin wall). Both types are halogen free.



TAT-125

Flexible, adhesive-lined polyolefin tubing. Flexible adhesive lining and tubing jacket. Thin adhesive lining to seal simple constructions. Good mechanical strength and cut-through resistance. Adhesive bonds to a wide variety of materials.



BSTS-07X4

Rugged thick wall, general purpose polyolefin tubing. Excellent thick wall insulation and abrasion protection.



SCL

Semirigid, encapsulant-lined polyolefin tubing. Splash-resistant, moisture-resistant covering. Provides rugged protection against abrasion, vibration and flexing.



RNF-150

High-performance, flame-resistant, flexible fluoropolymer tubing. Thinner wall than most general purpose polyolefin tubing. Highly flame-resistant. Excellent physical and electrical properties after exposure to many chemicals and solvents at 50°C (122°F).

INTERCONNECT: SIGNAL CONNECTORS



CST-100 Connectors

WTB interconnect solution with a 2.5mm centerline, 2 thru 28 positions, up to 4A max, 250V. Plastic latching feature in housing helps prevent contact backout.



MTA 100 Connectors

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



AMP-LATCH Connectors

Make quick, reliable connections between ribbon cable and PCBs without stripping or preparing wires.



AMPMODU

Reliable and economical, it includes board-to-board, wire-to-board and wire-to-wire connectors. The large variety of components and application possibilities, combined with small size and outstanding quality, make it the ideal interconnect system for a wide range of industrial applications and systems.



AMPMODU IV/V

The AMPMODU Mod IV V connector family includes a variety of rugged and reliable wire-to-board connectors on a modular .100" x .100" (2.54 x 2.54mm) centerline configuration.



AMPMODU MTE

The AMPMODU MTE with coupling shrouds permit ganging of receptacle assemblies for dual-row configurations. They are available in IDC and crimp termination types while their latching capability provides positive retention between housings.



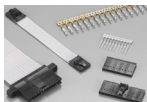
AMPMODU System 50

The AMPMODU System 50 connector family includes a variety of high density board-to-board and wire-to-board connectors. The cable applied receptacles are available in ribbon cable or FFC cable termination.



Eurocard Connectors

Incorporate internationally accepted design advantages of DIN 41612 and IEC 60603-2 two-piece connectors in a quality design that provides high signal integrity and electrical performance.



Flat Flexible Cable (FFC) Connectors

A variety of high density cable-to-board and cable-to-cable connectors designed for automated assembly eliminate the need for cable stripping and plating.



Flexible Printed Circuit (FPC) Connectors

Reliable interconnects use an actuator to secure the cable termination, require no tooling and incorporate low profile height and light-weight features.



Free Height Connectors

Versatile connectors used to mate parallel stacked PCBs with a broad range of position sizes, contact pitches and various combinations of vertical plug and receptacle housing heights.



Common Termination (CT) & Mini CT Connectors

CT connectors with 2mm centerline and mini CT connectors in 1.5mm centerline provide economical wire routing for power and signal.

INTERCONNECT: POWER CONNECTORS



Commercial MATE-N-LOK Connectors

WTW and WTB solution with a 5.08mm centerline, 1 thru 16 positions, up to 19A, 250V. Fully polarized nylon housings. Designed with a locking feature that will hold connector halves together under severe conditions of vibration and shock.



Universal MATE-N-LOK Connectors

Contacts are on a .250 centerline design with WTW, WTP and WTB options rated up to 19A, 600V. Offered in 1 thru 15 positions in WTW and 2 thru 15 positions in WTB. Housings feature positive polarization, positive locking and rear cavity identification for easy, error resistant assembly.



AMPSEAL Connectors

AMPSEAL connectors provide rugged reliability and environmental sealing. The pre-assembled receptacle housing connector features built-in contact sealing and an integral interfacial seal that protects mated connectors.



VAL-U-LOK Connectors

2 thru 24 position discrete wire interconnect. Rated up to 13A, 600V in a 4.2mm pitch in a WTW or WTB option.



Micro MATE-N-LOK Connectors

Rated up to 5A, 250V. Offers a low profile height of less than 4.7mm with positive latching to prevent unmating.



MTA 156 Connectors

2 thru 24 positions. Up to a 7A rating, 600V. Terminates 26-18 AWG.



Mini Universal MATE-N-LOK Connectors

Compact 4.14mm centerline WTW and WTB connector system. Rated up to 9.5A, 600V. Offers a splash proof design for use in water realted environments.



Power Key Connectors

WTB power circuit connector with a 5.0mm centerline. Rated up to 10A, 300V. With an audible click to help confirm contacts are inserted.



Commercial Pin and Socket Connectors

Plug and receptacle housings accept pin or socket contacts. Available in panel mount and free hanging options. 1 thru 15 positions. Accepts 24-14 AWG. Polarized with low contact-mating force.



Circular Plastic Connectors

(CPC) can be used practically anywhere signal and/or power need to enter/exit a system. These come in a versatile range of power and signal options.



Dynamic Series

Solutions range from signal level circuitry to power circuit connectivity - all in a ruggedized, industrialized package. Our engineers have designed this product range for use in control system applications to suit high density, signal, and power applications.



MICTOR Connectors

Provide hybrid functionality for signal and power connections using two rows of signal contacts divided by a center power ground plane.



Standard Timer Contact

Meet RAST 5.0 mm standard. Offers up to 16A, 220V. Housings are designed for end-to-end stacking without contact loss. Available in different keying and locking versions in 2 thru 12 positions.



Economy Power Connectors

WTB connectors used for power circuit applications. Broad portfolio offers a 3.96mm, 5.08mm, and 7.92mm centerlines and are rated up to 11A, 600VAC. Positive audible latch is designed for easier mating and unmating.

INTERCONNECT: TERMINALS & SPLICES



Positive Lock Receptacles

Wire to tab termination connectors designed to provide fast connect/disconnect. Offers a unique design with low insertion and withdrawal force required.



Ultra-Fast Receptacles

Fully insulated FASTON receptacles offer a completely protected terminal and a closed barrel wire crimp. Terminate 26-10 AWG solid, fused and stranded wire. Each assembly's translucent nylon housing is color-coded to identify wire size.



FASTON Receptacles

Broadest line of quick connect-disconnect receptacles and tab type terminals in the market. Offers stress relieved and non-stress relieved receptacles with various plating options. Available insulated and uninsulated, in straight and flag configurations.



Miniature AMP-IN Terminals

Eliminates the need for manual preparation of wires prior to soldering into pc boards. Available for 26-10 AWG. Insulation support provides strain relief for wires and protection of solder joints.



PIDG Terminals

Consists of a nylon or PVC insulated copper body, a copper sleeve that crimps to the wire insulation for added support. This unique design is vibration resistant and allows the wire to bend in any direction without damaging the wire insulation or conductor.

INTERCONNECT: BATTERY



Battery Connectors

Provide reliable connections between a main PCB and a battery pack. Balance current carrying capabilities, provide higher amps, and support quicker charging times.



Battery Holders

Compact and low-profile, surface mount solutions enable efficient button battery assembly.



DC Power Jacks

Safely, reliably and quickly provide power to battery-operated devices with user-friendly jacks in various mounting options.



Mini USB Connectors

One of the smallest USB connectors providing reliability, robustness and system versatility with a variety of PCB retention features, orientations and positions.



Corcom EMI Filters

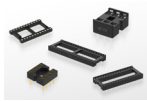
Helps your equipment not be disturbed by EMI-RFI emissions in the environment and enables your equipment to meet FCC and international EMC standards on EMI-RFI emissions.



Corcom 3 Phase Filters

Reduces unwanted EMI noise within the conducted area of electromagnetic susceptibility in applications. Rated from 3 to 1600A, and available for Delta or WYE wiring with a variety of terminal connection options.

INTERCONNECT: SOCKETS



DIP Sockets

Provide a highly reliable connection between integrated circuit (IC) devices and PCBs in a wide variety of position sizes and mounting and plating options.



Industrial RJ45 Connectors

Rectangular data connectors designed for Ethernet networking in industrial applications. Tool-less installation with automatic wire cut off helps ensure a high quality connection and short installation time.

INTERCONNECT: TERMINAL BLOCKS



Terminal Blocks

Terminal blocks are insulated connections that fasten two or more wires together and have an insulating frame and a clamping system.

INTERCONNECT: INPUT/OUTPUT



AMPLIMITE D-Sub Connectors

Complete line of D-subminiature connectors and accessories provide an economical I/O solution for a broad range of applications.

INTERCONNECT: FILTERS



Corcom IH Series IEC Filtered Inlets

Provides double insulated filtering capability to customers requiring 60320 (ground-free) C18 inlets. Enables manufacturers to comply with the IEC 60601-1 standard class II requirements by providing 2 MOPP construction. Compatible with V-Lock cords which prevent accidental disconnection of power.

CABLE ASSEMBLIES



Multicore Cable Assemblies

Offers power, data, and signal in the same cable. High-performance, and custom designed to meet unique product needs. We offer solutions which can improve electrical and mechanical performance, and reduce size and weight.