Contact Technologies

Edge Card

Designed for disposable or limited use applications where the edge-card contact module is used in the reusable connector, mating with a PCB on the disposable side.

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High Speed Copper

Quadrax and twinax contacts are designed for transmission of Ethernet high-speed signals in harsh environments where integrity and reliability are essential.

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Spring Probe

Spring probes featuring IDT technology are designed to optimize performance in high-reliability, multicycle applications. Spring probes are compliant which makes them ideal for blind-mate applications as they self-correct for x, y, z, rotational and angular misalignment of the target.

Hyperboloid

Hyperboloid® hyperboloid is the original superior performing contact technology for use in demanding environments where reliability and safety are critical.

HyperSpring® contact

HyperSpring® contacts combine our high-reliability hyperboloid contact technology, with the mechanical features of a spring-loaded contact, to produce interconnections with improved signal integrity, high reliability and current density, and proven parametric stability over time.
Tortac® contact

Tortac® is the evolution of HyperTec® hyperboloid contact design dedicated to high density connectors. Blasting the same unique characteristics of the HyperTec hyperboloid contact, on equal pin diameter the Tortac® socket features a smaller pitch that allows for a higher contact density.

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Fiber Optics

Smiths Interconnect offers both multimode and single-mode fiber optic contacts. Both types consist of two basic components: the core and the cladding, which traps the light in the core.

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EMI-EMP Filter

EMI filter connectors use multi-layer ceramic capacitor arrays together with inductive materials to realize robust, high performance low pass filter networks.

RF Coax & Triax

Our complete line of RF coaxial and triaxial connectors and contacts include standard formats: MIL-DTL-38999, ARINC 404 and ARINC 600. RF micro connectors include high frequency coax, MDCX and MDHC.

LEARN MORE >

Coaxtac

Low-insertion-force coaxial contact system boasts electrical repeatability of more than 26,000 insertion/extraction cycles.
Conductive columns

Smiths Interconnect’s conductive elastomer utilizes silver particle tightly filled conductive columns, a patented core technology, with and without replaceable and Gold contact set resulting in an extremely short electrical path ensuring high-performance signal integrity and current carrying capacity.

Wiping contact

Smiths Interconnect’s wiping contact is a single-piece, metal contact retained within the test socket by an elastomer. The highly compliant contact scrubs against the device pad ensuring fresh surface contact without damaging the load board contact pads.