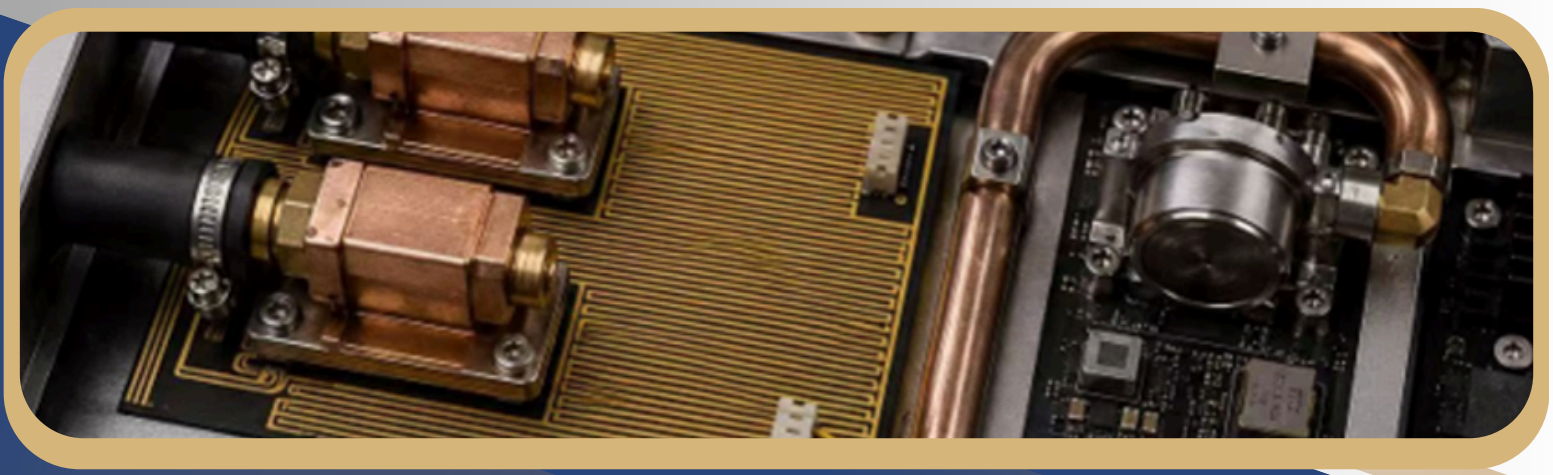
LIQUID COOLED SERVER

LEAK DETECTION SOLUTIONS



ENGINEERING INNOVATION & RELIABLE SOLUTIONS

Complete vertically integrated services from design and prototyping to volume manufacturing. Our flexible FPC solutions provide installation pliability, high thermal resistance, excellent oxidation resistance, and reliable, instant leak detection at the earliest stage.

OUR SOLUTIONS

- Custom designs to fit your system
- Multi-zone detection for precise location
- Fast response to conductive coolants
- Thin, lightweight and space-saving
- Designed for reliability in harsh environments

BUILT TO PERFORM

Liquid Leak Detection Flex Assembly is an ultra thin, custom-designed sensing solution that detects coolant leaks where they matter most-around cold plates, connectors, lines and manifolds.

LET'S GET STARTED

We partner with you by providing precision engineering, quality production, and cost-effective solutions that will bring your products to market faster!

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SUPERIOR DESIGN SUPPORT

The rapid growth of AI and high-performance computing is driving demand for advanced interconnect solutions and engineering expertise. FCT's senior application engineers average over 30 years of experience in flex and rigid-flex design, supported by more than 100 engineers across our global locations.

We understand material capabilities, thermal requirements, mechanical constraints, and cost optimization strategies to deliver reliable, manufacturable designs that meet demanding performance requirements.

These challenges are driving the need for custom interconnect solutions, including Flexible Circuits, Rigid-Flex, Flexible Heaters, and advanced high-performance circuits designed for today's AI data center and HPC applications.

Liquid Cooled Server Leak Detection Solutions Flex Assembly

Protect What Matters

inTFlex

The EMS Group of Flexible Circuit Technologies

With over 900,000 sq/ft of cutting edge manufacturing technology, inTFlex merges FCT's electronic manufacturing and contract manufacturing services into a new state-of-the-art facility. inTFlex, the EMS group of Flexible Circuit Technologies, features high-speed, fully automated SMT smart lines, plastics molding, membrane switches, CNC capabilities, fixtures, and all existing value-added services. inTFlex allows FCT to continue providing outstanding EMS and CM services to bring world-class interconnect solutions to life, optimize production efficiency, and support program scalability for global clients.

To learn more about inTFlex, visit: flexiblecircuit.com/intflex

- FPCA and PCBA
- Sub-Assembly
- Box Build
- Plastics and Sterilization
- Bare flex circuits

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