

# APPLICATION NOTE

[www.ittcannon.com](http://www.ittcannon.com)**QLC Medical Connector**

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## The Challenge

Connectors have continually played an important role in the design of medical equipment. Today, as certain types of equipment become more compact to meet portability requirements, so must the connectors without sacrificing functionality. While many types of miniature connectors already exist, most are not designed to the high reliability and robust mating requirements of portable imaging equipment. Designing a connector that is small enough to meet size constraints but has a high enough pin count to be used in portable medical equipment has proven to be a challenge.

The QLC Series connector is a necessary and valuable addition to the DL family of connectors, as the connector's small form factor along with its high pin count and robust design provide an excellent solution for the requirements of portable medical equipment as well as industrial, instrumentation and semiconductor manufacturing equipment. The QLC Zero Insertion Force connector is the ideal low-cost-per-mated-line I/O connector available today.

## The ITT Solution ...

ITT Interconnect Solutions Cannon continues to lead the way by offering a complete line of Zero Insertion connector series designed to meet the most demanding medical ultrasound scanner applications. Our QLC connectors offer excellent small size with RFI and EMI shielding.

## Product Features

- Small figure and metal housing for EMI
- Easy mating / coupling
- Quick disconnect latch lock
- High pin count with 260 position
- Mating durability is 20K cycles
- Lightweight aluminum shell



## Applications

- Ultrasound scanner
- Medical equipment
- Test instruments
- Industrial control box connection

***For application assistance, please contact:***

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