

## QLC Parking Connector

*Parking Connectors for medical equipment, a new member of the QLC series family.*

### The Challenge

QLC connectors have continually played an important role in the design of medical equipment. When a stand-alone device has too many probes and not enough connectors, there becomes an issue of protecting those connectors from damage. Medical customers demand a non-active functioning parking connector, for storage of unused probes.

### The Engineered Product Solution

In response to customer demand ITT has met the need with a Quad Lock Parking Connector. The Parking connector, which is also known as a dummy connector, is a necessary and valuable addition to the QLC family of connectors as an alternative to using QLC receptacles. There is no other product like this on the market, making the Parking Connector the first of its kind for the medical industry. This connector has a 35-40% cost savings compared to the traditional QLC receptacle due to the exclusion of pin contacts and locking hooks. It has typically been used for standalone equipment to meet portability and size requirements.

### Innovative Interconnect Benefits

- Small figure and metal housing for EMI
- Easy mating/coupling
- Quick disconnect latch lock
- Mating durability cycle of 20K
- Mateable with the QLC plug
- Low cost solution for plug probe protection

### Attributes and Values

1. EMI springs and shield locking mechanism to ensure constant mating pressure
2. Easy mating and coupling
3. Quick disconnect latch lock
4. Mating durability up to 20K cycles
5. Nickel/aluminum housing making it more durable

### Applications

- Ultrasound Diagnostic
- Medical Equipment
- Imaging Systems
- Test Equipment

