

# QLI Connector

## The Innovative Connection

**Radiall introduces the new QLI Connector with a bayonet locking mechanism providing a Quick Lock with Low Intermodulation (QLI).**



QLI connectors are designed to provide performance similar to DIN 7/16 with a very low intermodulation level, and a quick and safe connection, without any tools.

Its double sealing, in addition to a special anti-corrosion & watertight plating, make this connector the best choice for outdoor installations and also Indoor applications where the best performance is required.

QLI connectors are available in plugs, jacks, straight or right angles, square sockets & bulkhead models with a compact design allowing high density integration.

Our worldwide manufacturing facilities are aligned with IEC standards ensuring outstanding product quality.

## Features

### Design

Radiall is a leader in new interface design. The QLI quick lock connector is designed for simple, one handed installation - no tools required.

### Cable Assemblies

Radiall provides connectors and entire cable assemblies - preconfigured or customer specified - for a broad range of applications.

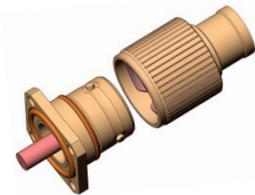
### Service

Radiall has sales and manufacturing facilities around the world saving customers time and money when sourcing components.

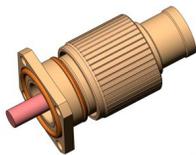


**When quick connections, high density, and uncompromising performance are required - the best choice is Radiall's QLI.**

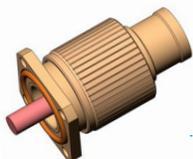
*QLI - The Innovative Connection*



1. Engage



2. Push



3. Lock

### **QLI advantages include quick connections, miniaturization, and high performance**

Our bayonet concept allows for a quick and secure connection. The addition of double sealing allows for use outdoors without any additional protective skin (electrical insulation putty + adhesive tape). The reduced footprint (compared to 7/16 series) allows for use in high density applications.

Radiall's QLI connector employs the proven bayonet concept for secure connections. With the QLI, Radiall introduces a new solution for harsh environments, where performance and safety are critical.

#### **General**

- Impedance 50Ω
- Frequency range DC-6GHz
- Very low intermodulation level  $\leq -163$  dBc
- Bayonet locking concept provides coupling retention force 450 N
- VSWR 1.04 +0.02.√f
- Meets all requirements for IP67
- High mating life
- 3 step connection: Engage, Push & Lock
- Intuitive design concept
- Light weight
- Reduced sized allows more space for other components
- RF Power: Up to 1000 W @ 2 GHz