

# CONNECTOR CONTACTS

## IT - ITS - ITS-RG - ITZ Connectors

### Series Presentation



A

Contacts in this chapter can be used for the following circular connector series:

**IT, ITZ, ITS** and **ITS RG.**



Threaded **IT** series have been designed to be fully conform to all material and performance requirements of MIL-DTL-5015 specification. IT circular connectors, designed and used in the military market have wide applications in today's industry where strength, reliability and ease of availability in other countries is essential.



**ITZ** presents same characteristics of IT series except for a special trapezoidal threading system, assured by a rubber o-ring that makes it an excellent choice for amphibious military vehicles and railway applications.

The Glenair Series **ITS** and ITS-RG connector series are based on the MIL-DTL-5015 standard, but feature an improved reverse bayonet coupling technology in place of the threaded coupling used in MIL-DTL-5015. The 3-point bayonet coupling mechanism reduces coupling time and provides easier mating when the connector is in an awkward position. Positive locking of the three stainless steel pins provides reliable resistance to vibration and shock, and prevents connector de-coupling in even the most rugged applications such as locomotives, mass-transit cars and military vehicles.



The **ITS-RG** Series incorporates a ruggedized outer coating of rubber for additional mechanical strength and to prevent shell damage due to rough handling.

Supported contact types include solder, crimp, and PCB versions in both gold or silver surface platings. Standard materials are Copper Alloys (Brass) or High Conductivity Copper Alloys (eg. CuTe) according to capacity or customer request anyway. Special parts of them are made by special material too, as well for special applications we develop dedicated platings. Thermocouple contacts are also available.

