

VG 95234 Qualified Power and Signal Connectors for Rugged Application Environments—From Military Vehicles to Rail, Mass Transit and Industrial Equipment

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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 products are qualified to the VG 95234 standard and are currently used throughout Europe, North America and Asia on thousands of ruggedized applications.

All connector styles are available with wire sealing grommets and dynamic interfacial seals for environmental protection. Equipped with the appropriate backshells and accessories, the connectors are submersible for 12 hours up to a depth of ten meters. The ITS-RG Series incorporates a ruggedized outer coating of rubber for additional mechanical strength and to prevent shell damage due to rough handling.

The Glenair Series ITS and ITS-RG share the same insert arrangements, shell dimensions, supported contacts and electrical performance ratings as the MIL-DTL-5015 and the VG 95234 and are fully interchangeable with VG standard connectors. Supported contact types include solder, crimp, and PCB type in both gold or silver surface platings. Thermocouple contacts are also available.

Depending on the application requirements the following options may be supplied:

- Connectors and accessories in either stainless steel or marine bronze
- Flame resistant, halogen-free rubber inserts
- Cadmium-free surface treatments
- Special contacts

The ITS and ITS-RG connector series are perfectly suited for use in rugged applications where EEC compliance directives for electromagnetic compatibility is required. A complete range of EMI shield termination accessories is available for both overall as well as individual wire shields.

Please contact the factory for additional information or any of our worldwide sales and engineering facilities. Glenair's website, www.glenair.com, also has complete information on these products, including inventory listings.