Glenair®

Glenair IPT Series
Bayonet-Lock Signal Connectors (MIL-DTL-26482 Serie I)
Product Line Overview

An Economical Connector Solution for General Electronics, Industrial Controls, Instrumentation and Military Vehicles

Harsh Application Environments

The Glenair Series IPT Bayonet-Lock Signal Connector is ideally suited for all interconnect applications that require a general-duty connector equipped with solder cup contacts and one-piece rubber insert. The bayonet coupling mechanism provides fast and easy mating, especially when the connector is situated in an awkward or hard to reach location. The connector's high resistance to vibration and shock provides foolproof performance in even the most rigorous application environments. Environmental protection up to IP67 levels provides additional reliability and the flexibility to specify these rugged connectors in harsh applications such as machine tools and factory automation. Supplied solder cup contacts are gold-plated over nickel. Optional crimp contacts are available, however the Glenair IPT SE series, with its industry standard rear-release crimp contacts and retention clip mechanism is better suited for all high-performance applications that require crimp contacts. Sealing members in the IPT series are made from resilient neoprene rubber. The standard insert material is synthetic rubber. There are 40 different size 12, size 16 and size 20 insert arrangements and nine shell sizes.

Intermateability

The Series IPT Connector is interchangeable and intermateable with the wide range of industry-standard bayonet connectors designed around MIL-DTL-26482 Series I and/or qualified to VG 95328, including VEAM VPT, Amphenol PT, Amphenol Limited 62GB, and ITT Cannon KPT.

- Solder Cup Version with Optional Crimp Contacts
- Resilient Environmental Inserts
- Fast, Easy Bayonet Coupling
- 40 Power and Signal Insert Arrangements
- All Shell Styles: Plug, Square Flange, Jam-Nut, etc.
- High Shock and Vibration Resistance
- Pin Counts from 2 to 61; Size #12, #16 and #20 Contacts
- Audible and Visual Coupling Indicators
- Keyed Polarization

MIL-C-26482

The Glenair IPT miniature bayonet-lock connector series is based on the MIL-DTL-26482 Series I standard, and shares the same insert arrangements, shell dimensions, supported contacts and electrical performance ratings as MIL-DTL-26482 and VG 95328. The MIL-DTL-26482 type 3-point bayonet coupling mechanism provides easy mating and positive locking resistance to vibration, shock, and other connector de-coupling forces in general duty and environmental interconnect systems such as military and commercial aircraft, medical equipment, industrial controls, factory robotics, intrumentation and other general electronic applications.

Component Materials

IPT connectors are available in aluminum alloy and marine bronze are supplied with a range of popular and RoHs compatible shell plating finishes. Most styles are available in either a basic (A) version as well as an (E) version that ships with a wire sealing grommet for additional environmental protection. Our F6,F7 and F11 platings are RoHs compliant.

EMI and Environmental Applications

IPT Series connectors are perfectly suited for use in rugged applications where EEC compliance directives for electromagnetical compatibility is required. A complete range of EMI shield termination accessories are available for both overall as well as individual wire shields.

Equipped with the appropriate backshells and environmental sealing, the connectors are submersible for 48 hours up to a depth of two meters.

Connector Accessories

Many of the IPT Series connectors come standard already paired with selected backshell accessories for most application requirements. See the accessory descriptions on the opposite page for more information. A full range of additional connector accessories including dustcaps and EMI gaskets are also available.

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, as well as other ruggedized power and signal connectors.