



ITT

Electronic Components

Space and Specials

Aerospace, Hydrospace, and Customs



Engineered for life

When off-the-shelf won't do... ... turn to ITT for custom-engineered interconnect solutions

***Unmatched design, development, experience
- for nearly 90 years***

Whether it's land, sea, air, or space – ITT experience and innovation helps provide customers with high-performance, high-reliability, high-quality interconnect solutions. Specializing in harsh environment and mission-critical applications, ITT custom products are specified on major Aerospace and Hydrospace programs including:

- Patriot missile
- Tomahawk missile
- Trident missile
- Trident submarine
- Sidewinder missile
- Harpoon missile
- CVN-78 aircraft carrier
- Mark 48 torpedo
- Vertical Launch System
- Delta Rocket systems
- Titan Launch Vehicle
- Apache Helicopter
- International Space Station
- Space Shuttle

Aerospace

ITT is the worldwide leader in the development of special separation connector systems required by today's high performance missile and rocket vehicles:

- Custom umbilical interconnect systems and cabling for system launch applications
- Special connectors for rocket interstage separation
- Lanyard and ring lock connectors for pylon and weapons stores jettison
- Spring loaded connectors where blind mating is required
- Connectors designed to couple and uncouple in a Zero-G space environment.

Hydrospace

For more than 40 years, ITT has been designing special bulkhead connector headers and interconnect systems for harsh undersea applications including:

- High pressure hull and missile tube penetrators
- Wet mateable connectors and custom headers for submarine sonar arrays
- Umbilical cable assemblies for torpedo tube-launched missiles systems
- Custom interface connectors for ship launch applications



Your Space and Special interconnect needs are covered

When a mil-spec product just won't do, count on ITT to develop the right special-purpose connector or cable harness for your military or commercial, aerospace, and hydrospace applications. From special-release connectors found in missile and launch vehicles to special high-pressure bulkhead connectors found in submarine- and ship-based systems, ITT will meet your special connector needs. From blind mating applications to special coupling requirements, our custom designs are backed by our comprehensive capability to test and certify to DOD and customer specifications.

Special release connectors

The supplier of choice for major launch vehicles and weapons systems programs, ITT's family of special release connectors feature special umbilical and lanyard release functions that automatically disconnect at the time of system launch. Ideal for interstage separation, weapons store, and pylon applications, these connectors can incorporate both pneumatic and electrical lines in the same assembly.

Special bulkhead and hull penetrating connectors

ITT's wide range of special ship and SUB-SAFE bulkhead connectors provide the critical electrical interface required to penetrate and carry signals through the hull or bulkhead of military ships or submarine vehicles. Our header assemblies utilize compression glass sealing to stainless steel shells. This innovative assembly provides a very strong and highly reliable hermetic seal that will operate at extreme temperatures and pressures up to 20,000 P.S.I.

Custom connectors and cable assemblies. Customized service.

ITT continues to be the first choice for the design and development of unique and customer specific applications. Our representatives will work with your engineering team to develop a set of solutions that meet your performance, schedule, and cost requirements. With rapid prototype service from our comprehensive model shop, and DVT qualification testing from our complete in house PEL (Product Evaluation Lab), ITT will deliver your custom solution on time from concept to production.

RoHS and DFARS Compliant

ITT remains committed to supporting our customers with full compliance to the DFARS directives relating to specialty metals. Further, ITT continues to develop RoHS compliant products that are lead-free. As appropriate, we will continue to offer leaded product for those applications requiring it. For more information on ITT's RoHS initiative, visit www.ittcannon.com/RoHS.



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