



BTC Fast Facts



Hermetically Sealed Connectors

BTC has the largest inventory of hermetically sealed connectors on the planet! These include: hermetically sealed mil-spec connectors, (circular and rectangular). Glass sealed high temperature high pressure (HTHP) bulkheads. Highly engineered hermetic multiple pin headers. High Pressure glass to metal (GTMS) and Peek electrical bulkheads

BTC has over 30 years' experience and knowledge with hermetic connectors and their applications. With this experience we can work with you to find or build that perfect solution for your specific application.

Markets Served & General Applications

Military Aerospace and Defense – Control, Measuring & Sensing Systems for:

- Guidance, Navigation, Fuel, Hydraulic, Speed, Position, Tilt, Braking, Microwave, Engine, Missile launch

Oil field Services & Geophysical - Control, Measuring & Sensing Systems for:

- Drill Head monitoring, Pressure, Fluid, Position, Tilt, Temperature, Power Generation, instrumentation

Industrial & Instrumentation - Control, Measuring & Sensing Systems for:

- Pressure, Temperature, Speed, Position, Tilt, Fluids, Vacuum, Radiation, Power Generation

Transportation – Control Measuring & Sensing Systems for:

- Temperature, Speed, Position, Tilt

Medical - Control, Measuring & Sensing Systems for:

- Blood analysis, Fluids, Endoscopic Surgery, Implants, Laser technology

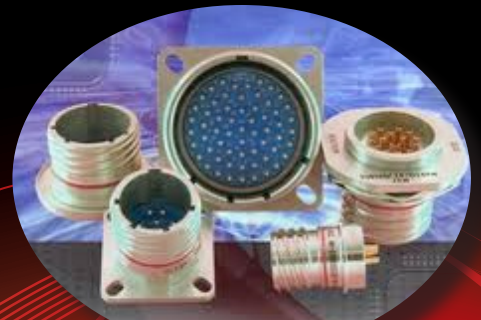
Features

- High Pressures up to 65,000 psi
- Temperature ranges from -325 F to greater than 1000 F
- Leak rates of 1×10^{-11} cc/sec helium at one atmosphere differential
- Extensive Range of QPL circular & D-Sub connectors to the military specifications
- Broad range of products to other international standards – EN2997/ESC
- Sealing in exothermic, Argon, Nitrogen and Hydrogen atmospheres
- Manufactured bodies in standard materials – Cold Rolled Steel, Stainless Steel, Kovar and specialty metals such as Inconel, Monel, Molybdenum, and Titanium
- Electrodes in 52 Alloy, Kovar, Stainless Steel, and Inconel, and Chromel/Alumel, & Iron/Constantin for thermocouple applications





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Circular Connector Part Numbers

- Mil-C-19572 • Mil-C-21367 • Mil-C-22249 • Mil-C-22539 • Mil-C-24217
- Mil-C-24231 • Mil-C-25955 • Mil-C-39012 • Mil-C-5015 (MS3142 MS3143)
- Mil-C-81511 • Mil-C-81703 • Mil-C-26500 • Mil-C-26482 • Mil-DTL-83723
- Mil-DTL-38999 • Mil-C-81703

QPL

MIL-DTL-83723

SERIES II BAYONET COUPLING:

- M83723/79 • M83723/80 • M83723/81
- M83723/93 • M83723/94

SERIES III THREADED COUPLING:

- M83723/88 • M83723/89 • M83723/90

MIL-C-26482

(in tin plated cold-rolled steel and stainless steel shells)

SERIES I:

- MS3113 • MS3114

SERIES II:

- MS3440 • MS3442 • MS3443
- MS3449 • MS3473N • MS3477N
- MS3479N

MIL-DTL-38999

SERIES I "SCOOP PROOF" BAYONET COUPLING:

- MS27469 • MS27470
- MS27471

SERIES II LOW PROFILE BAYONET COUPLING:

- MS27475 • MS27476
- MS27477 • MS27478

SERIES III SELF-LOCKING THREADED COUPLING:

- D38999/21 • D38999/23
- D38999/25 • D38999/27

MIL-C-26500 (supplied in both threaded and bayonet coupling styles)

- MS27034 • MS24264
- MS24265

M24308/9 Rectangular D Sub

European Standards

- ESC10/11 • EN2997Y/YE

The BTC Advantage

- » Largest Hermetic Connector Inventory in the World
- » Most items ship in 24-48 hours
- » 30 Years Experience - Can build custom parts to your specifications
- » Flexible Long Term Agreements - we will stock your parts and ship them when you need them
- » 100% Traceability on all parts
- » SAE AS5553 Compliant Counterfeit Detection Program
- » AS9100 Rev C and ISO9001:2008 certified

