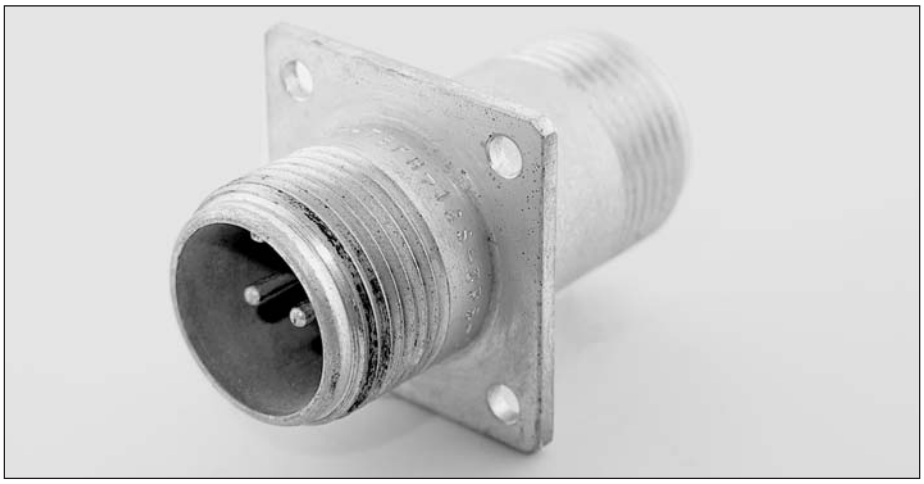
The BFH (Bulkhead Fitting) and TBFH (Thru-Bulkhead Fitting) are hermetically sealed versions of the BFR and TBF receptacle connectors. They meet the requirements of MIL-C-5015.

The TBFH-100 and TBFH-200 are jam nut mounted with an O-ring for sealing against the bulkhead. TBFH-100 will accommodate a panel thickness of 4,75 (.187) through 7,92 (.312) and a TBFH-200 will accommodate a longer overall length for a panel thickness of 9,52 (.375) through 19,05 (.750)

The square flange mounted TBFH-110 mates with 3106 and 3108 plugs.

Applications:

- Commercial Aircraft
- Industrial
- Military



For more information: www.ittcannon.com/cat280

Product Features

- Meets the requirements of MIL-C-5015.
- Solder or laser weld mount.
- Square flange mount.
- Locknut mount.
- Pin or socket contacts are available in selected layouts.
- Resistance to very high pressure differential is achieved using individual glass beads. However, DWV ratings are lower.

Performance Specifications

Air Leakage Rate	≤1 micron ft^3/hr max. (1.04 x 10^{-5} cm^3/s) at one atmosphere pressure differential×
Connector Durability	100 mating cycles min.
Contact Retention	500 psi min., considerably higher with individual glass seals
Contact Termination	Eyelet; PC Tail; Solder
Coupling	Threaded
DWV	Dependent upon contact cavity arrangement
Flange Type	Circular; Flangeless; Hex; Square
Insulation Resistance	5000 MΩ min. at 500 V dc
Number of Circuits	Up to 75
Operating Temperature	–54°C to 150°C (–65°F to 302°F) for standard finishes
Service Class	Hermetically Sealed
Shell Style	Bulkhead Thru-Bulkhead, Jam Nut Mounting Thru-Bulkhead, Square Flange
Wire Accommodation	Up to #0 AWG, dependent upon contact cavity arrangement

Electrical Service Data

Contact Size	16	12	8	4	0
Current Rating (max.)✧	10 A	17 A	33 A	60 A	100 A
Contact Resistance (max.)	12.50 mΩ	7.40 mΩ	4.00 mΩ	2.10 mΩ	1.25 mΩ

Materials and Finishes

Description	Material	Finish
Shell	Steel	Clear Chromate over Cadmium★
Insulator	High Grade Plastic	—
Contact	Steel	Clear Chromate over Cadmium★
O-Ring	Nitrile per AN6227	—

Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs

✧ This is the maximum current for one single contact. Using MIL-W-5088 and current carried by all contacts within the connector, heat rise can be predicted. The heat rise must not cause the connector temperature range to be exceeded.
★ Additional finishes for high temperature and special applications are available.
✕ Receptacles with a maximum air leakage rate of .01 micron cubic foot per hour are also available.