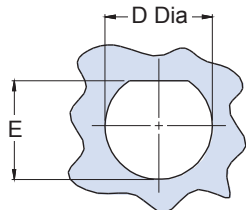
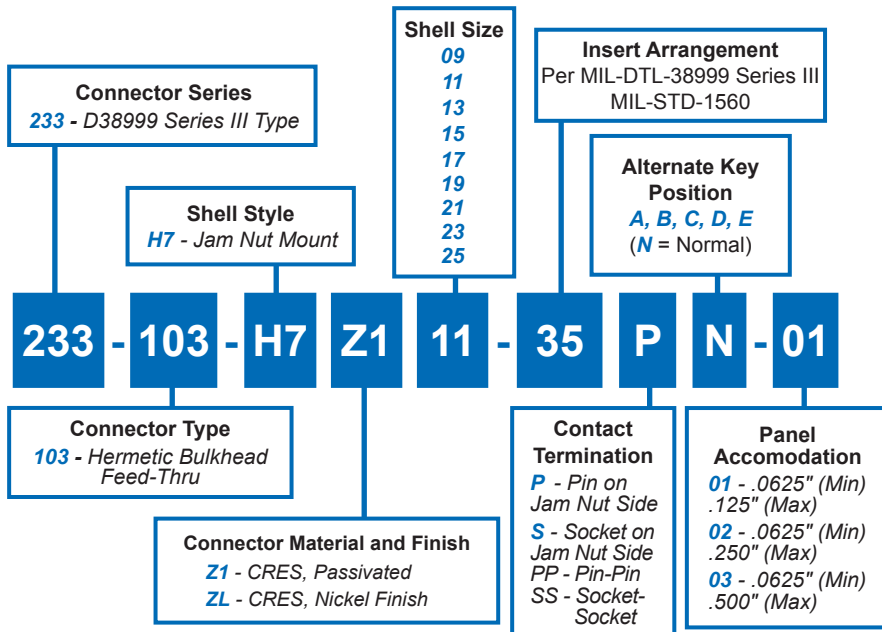




# 233-103-H7 Jam Nut Mount Hermetic Bulkhead Feed-Thru MIL-DTL-38999 Series III Type



Recommended Panel Cut-Out

| HERMETIC LEAK RATE MOD CODES |                                            |
|------------------------------|--------------------------------------------|
| Designator                   | Required Leak Rate                         |
| -585A                        | 1 x 10 <sup>-10</sup> cc Helium per second |
| -585B                        | 1 x 10 <sup>-9</sup> cc Helium per second  |
| -585C                        | 1 x 10 <sup>-8</sup> cc Helium per second  |

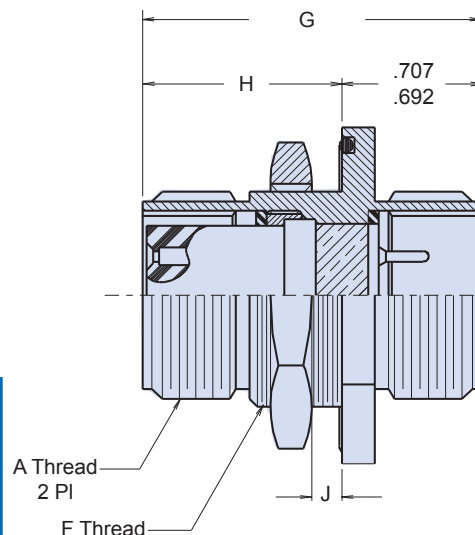
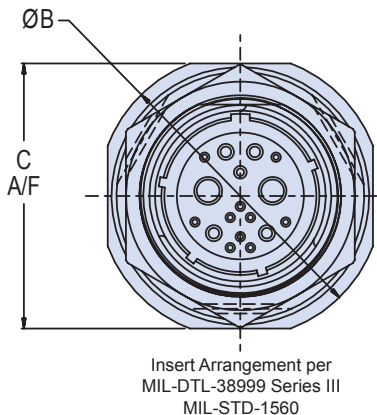


TABLE I: CONNECTOR DIMENSIONS

|     | G Dim, OAL Max | H Dim, Max    | J Dim, Panel               |
|-----|----------------|---------------|----------------------------|
| -01 | 1.650 (41.91)  | .889 (22.58)  | .125 (3.18)<br>.062 (1.57) |
| -02 | 1.780 (45.21)  | 1.090 (27.69) | .250 (6.35)<br>.062 (1.57) |
| -03 | .8750 (51.56)  | 1.340 (34.04) | .500 (12.7)<br>.062 (1.57) |

TABLE II: CONNECTOR DIMENSIONS

| SHELL SIZE | A THREAD<br>0.1 P-0.3L-TS-2 | B DIA         | C             | D DIA                          | E DIM                          | F THREAD<br>METRIC |
|------------|-----------------------------|---------------|---------------|--------------------------------|--------------------------------|--------------------|
| 09         | .6250                       | 1.189 (30.20) | 1.063 (27.00) | .703 (17.86)<br>.693 (17.60)   | .657 (16.69)<br>.655 (16.64)   | M17 x 1.0-6g       |
| 11         | .7500                       | 1.375 (34.93) | 1.252 (31.80) | .835 (21.21)<br>.825 (20.96)   | .771 (19.58)<br>.769 (19.53)   | M20 x 1.0-6g       |
| 13         | .8750                       | 1.500 (38.10) | 1.374 (34.90) | 1.020 (25.91)<br>1.010 (25.65) | .955 (24.26)<br>.953 (24.21)   | M25 x 1.0-6g       |
| 15         | 1.0000                      | 1.626 (41.30) | 1.500 (38.10) | 1.145 (29.03)<br>1.135 (28.83) | 1.085 (27.56)<br>1.083 (27.51) | M28 x 1.0-6g       |
| 17         | 1.1875                      | 1.752 (44.50) | 1.626 (41.30) | 1.270 (32.26)<br>1.260 (32.00) | 1.210 (30.73)<br>1.208 (30.68) | M32 x 1.0-6g       |
| 19         | 1.2500                      | 1.937 (49.20) | 1.811 (46.00) | 1.395 (35.43)<br>1.385 (35.18) | 1.335 (33.91)<br>1.333 (33.86) | M35 x 1.0-6g       |
| 21         | 1.3750                      | 2.063 (52.40) | 1.937 (49.20) | 1.520 (38.61)<br>1.510 (38.35) | 1.460 (37.08)<br>1.558 (39.57) | M38 x 1.0-6g       |
| 23         | 1.5000                      | 2.189 (55.60) | 2.063 (52.40) | 1.645 (41.78)<br>1.635 (41.53) | 1.585 (40.26)<br>1.583 (40.21) | M41 x 1.0-6g       |
| 25         | 1.6250                      | 2.311 (58.70) | 2.189 (55.60) | 1.770 (44.96)<br>1.760 (44.70) | 1.710 (43.34)<br>1.708 (43.38) | M44 x 1.0-6g       |



## APPLICATION NOTES

- Power to a given contact on one end will result in power to contact directly opposite, regardless of identification letter.
- Hermeticity = less than 1 x 10<sup>-7</sup> cc/sec at one atmosphere. Not for use in liquid atmosphere.
- Material/finish:  
Shell, nut - CRES/passivated, carbon steel/fused tin or CRES/nickel per QQ-N-290.
- Contacts - Gold Plated. Pin: alloy 52; Skt.: copper alloy  
Insulator - fused vitreous glass/N.A.  
Seals - fluorosilicone rubber/N.A.
- Metric dimensions (mm) are indicated in parentheses.