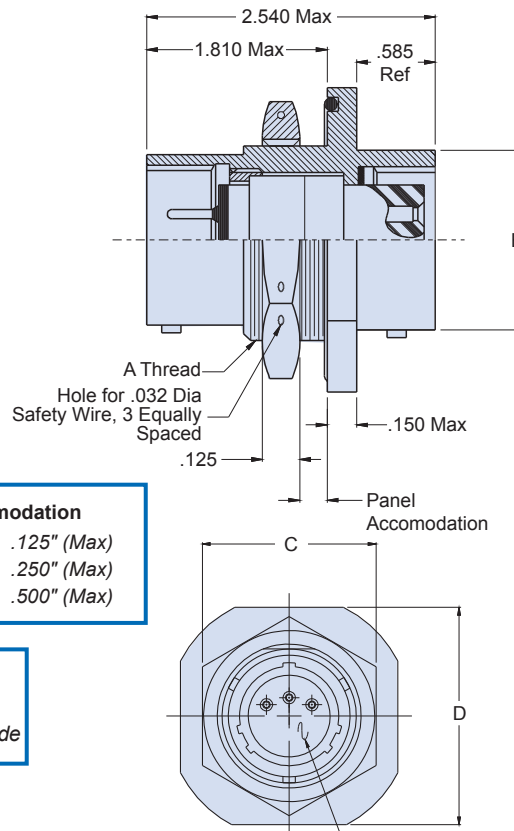
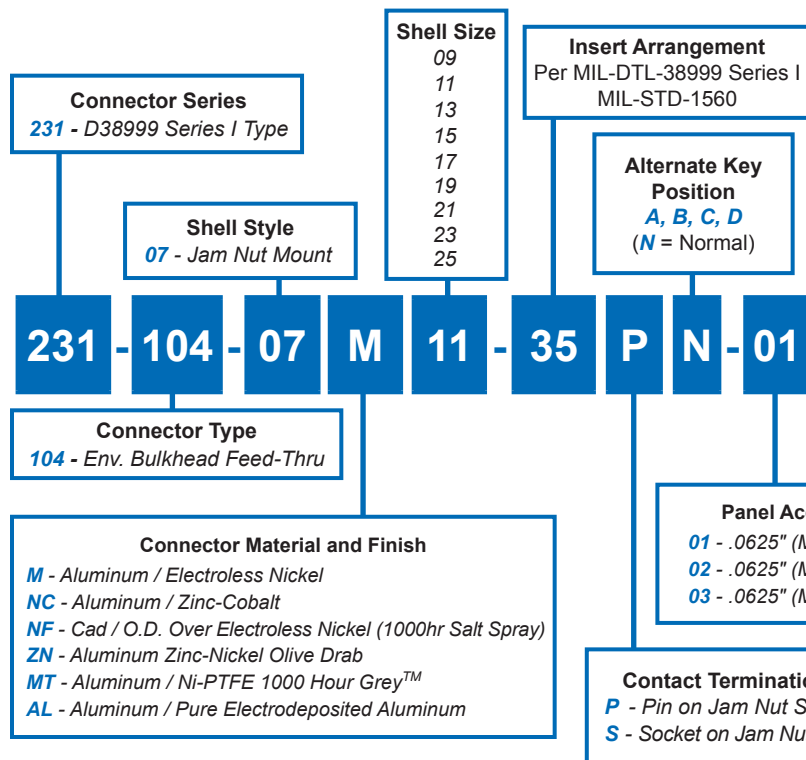
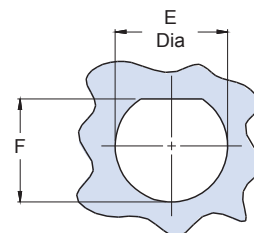


## 231-104-07 Jam Nut Environmental Bulkhead Feed-Thru MIL-DTL-38999 Series I Type



Insert arrangement, per  
MIL-C-38999, Series I  
MIL-STD-1560



Recommended Panel Cut-Out

TABLE I: CONNECTOR DIMENSIONS

| SHELL SIZE | A THREAD CLASS 2A | B DIA MAX   | C HEX       | D FLATS     | E DIA ±.005(0.1) | F +.000-.002 (0-.06) |
|------------|-------------------|-------------|-------------|-------------|------------------|----------------------|
| 09         | .688-24 UNEF      | .573(14.6)  | .875(22.2)  | 1.062(27.0) | .678(17.7)       | .657(16.70)          |
| 11         | .813-20 UNEF      | .701(17.8)  | 1.000(25.4) | 1.250(31.8) | .830(21.1)       | .771(19.59)          |
| 13         | 1.000-20 UNEF     | .851(21.6)  | 1.188(30.2) | 1.375(34.9) | 1.015(25.8)      | .955(24.26)          |
| 15         | 1.125-18 UNEF     | .976(24.8)  | 1.312(33.3) | 1.500(38.1) | 1.140(29.0)      | 1.085(27.56)         |
| 17         | 1.250-18 UNEF     | 1.101(28.0) | 1.438(36.5) | 1.625(41.3) | 1.265(32.1)      | 1.210(30.73)         |
| 19         | 1.375-18 UNEF     | 1.208(30.7) | 1.562(39.7) | 1.812(46.0) | 1.390(35.3)      | 1.335(33.91)         |
| 21         | 1.500-18 UNEF     | 1.333(33.9) | 1.688(42.9) | 1.938(49.2) | 1.515(38.5)      | 1.460(37.08)         |
| 23         | 1.625-18 UNEF     | 1.458(37.0) | 1.812(46.0) | 2.062(52.4) | 1.640(41.7)      | 1.585(40.26)         |
| 25         | 1.750-18 UNS      | 1.583(40.2) | 2.000(50.8) | 2.188(55.6) | 1.765(44.8)      | 1.710(43.43)         |

### APPLICATION NOTES

- Power to a given contact on one end will result in power to contact directly opposite regardless of identification letter
- Metric Dimensions (mm) are indicated in parentheses
- Material/finish:  
Shell, locking, jam nut—Al alloy, See Table II Page D-5

Contacts—Copper alloy/gold plate  
Insulators—High grade rigid dielectric/N.A.  
Bayonet Pins—CRES/passivate  
Seals—silicone/N.A.

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