

#### APPLICATION NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Material/Finish:  
Shell\*:  
Z1 - Stainless steel/passivated.  
FT - Carbon steel/tin plated.  
Contacts - 52 Nickel alloy/gold plated.  
Bayonets - Stainless steel/passivated.  
Seals - Silicone elastomer/N.A.  
Insulation - Glass/N.A.
- Glenair 230-026 will mate with any QPL MIL-DTL-83723/75 & 77 Series III bayonet coupling plug of same size, keyway, and insert polarization.
- Performance:  
Hermeticity <math> < 1 \times 10^{-7}</math> cc He/sec @ 1 atmosphere differential.  
Dielectric withstanding voltage - Consult factory or MIL-STD-1554.  
Insulation resistance - 5000 MegOhms min @ 500VDC.
- Consult factory and/or MIL-STD-1554 for arrangement, keyway, and insert position options.
- Consult factory for PC tail footprints.
- Metric Dimensions (mm) are indicated in parentheses.

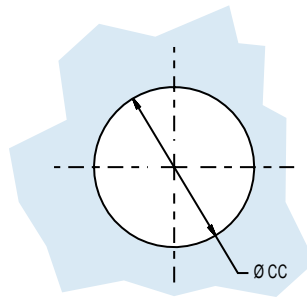
\* Additional shell materials available, including titanium and Inconel®. Consult factory for ordering information.

230-026

MIL-DTL-83723/93 Series III Type Hermetic  
Bayonet Coupling Solder Flange Mount Receptacle  
with Straight Pin Contacts

**G**lenair®

MIL-DTL  
83723



Panel Cut Out

HERMETIC LEAK RATE MOD CODES

| Designator | Required Leak Rate                           |
|------------|--|
| -585A      | 1 x 10 <sup>-10</sup> cc's Helium per second |
| -585B      | 1 x 10 <sup>-9</sup> cc's Helium per second  |
| -585C      | 1 x 10 <sup>-8</sup> cc's Helium per second  |

TABLE I: CONNECTOR AND CUT-OUT DIMENSIONS

| Shell Size | A Dia                      | C Dia Max    | D Dia Shell I.D.           | E Dia Resilient Insert | F Dia                      | G Dia Max    | CC Dia Min   | Ø CC Dia Panel Cut-Out     |
|------------|----------------------------|--------------|----------------------------|------------------------|----------------------------|--------------|--------------|----------------------------|
| 8          | .760/.720<br>(19.3/18.3)   | .500 (12.7)  | .433/.428<br>(11.0/10.9)   | .312 (7.9)             | .536/.531<br>(13.6/13.5)   | .561 (14.2)  | .406 (10.3)  | .515/.505<br>(13.1/12.8)   |
| 10         | .860/.820<br>(21.8/20.8)   | .562 (14.3)  | .535/.530<br>(13.6/13.5)   | .388 (9.9)             | .659/.654<br>(16.7/16.6)   | .696 (17.7)  | .443 (11.3)  | .582/.572<br>(14.8/14.5)   |
| 12         | 1.065/1.025<br>(27.1/26.0) | .750 (19.1)  | .705/.700<br>(17.9/17.8)   | .558 (14.2)            | .829/.824<br>(21.1/20.9)   | .875 (22.2)  | .668 (17.0)  | .770/.760<br>(19.6/19.3)   |
| 14         | 1.110/1.070<br>(28.2/27.2) | .812 (20.6)  | .774/.796<br>(19.7/20.2)   | .627 (15.9)            | .898/.893<br>(22.8/22.7)   | .935 (23.7)  | .668 (17.0)  | .832/.822<br>(21.1/20.9)   |
| 16         | 1.230/1.190<br>(31.2/30.2) | .937 (23.8)  | .901/.896<br>(22.9/22.8)   | .772 (19.6)            | 1.025/1.020<br>(26.0/25.9) | 1.062 (27.0) | .763 (19.4)  | .958/.948<br>(24.3/24.1)   |
| 18         | 1.360/1.320<br>(34.5/33.5) | 1.062 (27.0) | 1.007/1.002<br>(25.6/25.5) | .860 (21.8)            | 1.131/1.126<br>(28.7/28.6) | 1.187 (30.1) | .862 (21.9)  | 1.082/1.072<br>(27.5/27.2) |
| 20         | 1.450/1.410<br>(36.8/35.8) | 1.187 (30.1) | 1.132/1.125<br>(28.8/28.6) | .985 (25.0)            | 1.256/1.251<br>(31.9/31.8) | 1.312 (33.3) | 1.108 (28.1) | 1.202/1.192<br>(30.5/30.3) |
| 22         | 1.610/1.570<br>(40.9/39.9) | 1.312 (33.3) | 1.257/1.252<br>(31.9/31.8) | 1.110 (28.2)           | 1.381/1.376<br>(35.1/35.0) | 1.437 (36.5) | 1.204 (30.6) | 1.332/1.322<br>(33.8/33.6) |
| 24         | 1.730/1.690<br>(43.9/42.9) | 1.437 (36.5) | 1.382/1.377<br>(35.1/35.0) | 1.235 (31.4)           | 1.506/1.501<br>(38.3/38.1) | 1.562 (39.7) | 1.388 (35.3) | 1.452/1.442<br>(36.9/36.6) |

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