

# MIL-DTL-26482 Hermetic Series II Type

## 230-044 Bayonet coupling jam-nut receptacle with banding porch

| PART NUMBER DEVELOPMENT |                                                                                                                 |    |    |    |   |  |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|----|----|----|---|--|
| Sample Part Number      | 230-044                                                                                                         | Z1 | 12 | -3 | P |  |
| Series / Basic Part No. | 230-044 = Jam-Nut Mount Receptacle                                                                              |    |    |    |   |  |
| Material/Finish         | Z1 = Stainless Steel/Passivated<br>ZL = Stainless Steel/Nickel Plated                                           |    |    |    |   |  |
| Shell Size - Layout     | Shell Sizes: 8, 10, 12, 14, 16, 18, 20, 22, 24<br>Layout per MIL-STD-1669; see Shell Size - Insert Layout table |    |    |    |   |  |
| Contact Type            | P = Pin, Solder Cup      X = Pin, Eyelet<br>S = Socket, Solder Cup      Z = Socket, Eyelet                      |    |    |    |   |  |
| Alt. Polarization       | W, X, Y, Z, Omit for normal                                                                                     |    |    |    |   |  |

| 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  |

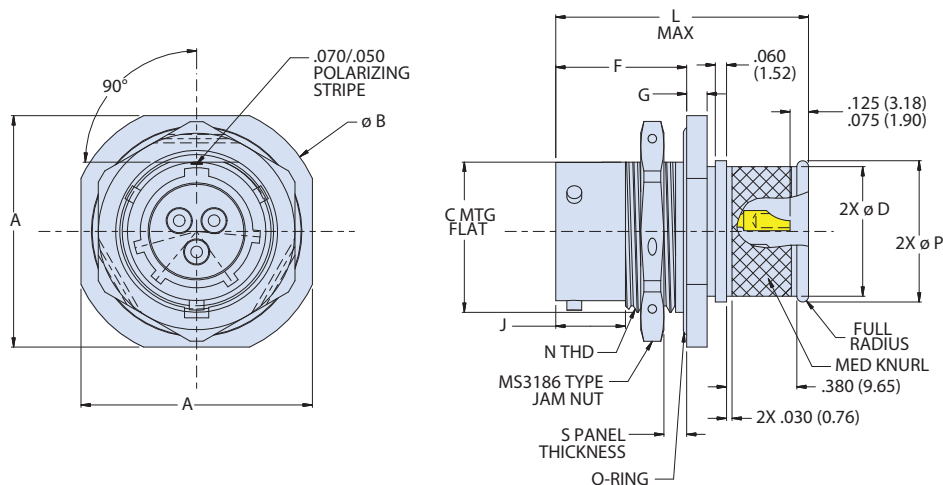
### NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Material/Finish:
  - Shell: per part number development Titanium and Inconel® available. Consult factory.
  - Contacts hermetic: 52 Nickel alloy/gold plate.
  - Contacts socket: copper alloy, gold plated.
  - Bayonets: stainless steel/passivate.
  - Seals: silicone elastomer
  - Insulator hermetic: full glass. Insulator socket: high-grade rigid dielectric
- Performance
  - Hermeticity: <1 x 10<sup>-7</sup> ccHe/sec @ 1 atm differential.
  - Dielectric withstanding voltage: Consult factory or MIL-STD-1669.
  - Insulation resistance: 5000 megohms min @500VDC.
- Consult factory and/or MIL-STD-1669 for arrangement and insert position options.
- Glenair 230-043 will mate with any QPL MIL-DTL-26482 Series II bayonet coupling plug of same size and insert polarization.

| SHELL SIZE - INSERT LAYOUT |                 |    |    |                     |                 |    |    |                     |                 |    |    |
|----------------------------|-----------------|----|----|---------------------|-----------------|----|----|---------------------|-----------------|----|----|
| Shell Size - Layout        | Size / Quantity |    |    | Shell Size - Layout | Size / Quantity |    |    | Shell Size - Layout | Size / Quantity |    |    |
|                            | 20              | 16 | 12 |                     | 20              | 16 | 12 |                     | 20              | 16 | 12 |
| 8-2                        | 2               |    |    | 14-9                | 5               |    | 4  | 18-11               |                 | 11 |    |
| 8-3                        | 3               |    |    | 14-12               | 8               | 4  |    | 18-30               | 29              | 1  |    |
| 8-4                        | 4               |    |    | 14-15               | 14              | 1  |    | 18-32               | 32              |    |    |
| 8-33                       | 3               |    |    | 14-18               | 18              |    |    | 18-85               | 5               |    | 8  |
| 8-98                       | 3               |    |    | 14-19               | 19              |    |    | 20-16               |                 | 16 |    |
| 10-6                       | 6               |    |    | 14-22               | 1               |    | 4  | 20-24               | 24              |    |    |
| 10-98                      | 6               |    |    | 16-8                |                 | 8  |    | 20-27               | 27              |    |    |
| 12-3                       |                 | 3  |    | 16-14               | 8               |    | 6  | 20-39               | 37              | 2  |    |
| 12-8                       | 8               |    |    | 16-23               | 22              | 1  |    | 20-41               | 41              |    |    |
| 12-10                      | 10              |    |    | 16-26               | 26              |    |    | 20-90               | 3               |    | 12 |
| 14-4                       |                 |    | 4  | 16-99               | 21              | 2  |    | 22-12               |                 |    | 12 |
| 14-5                       |                 | 5  |    | 18-8                |                 |    | 8  | 22-19               |                 |    | 19 |

| REPLACEMENT O-RING SEAL |                      |
|-------------------------|----------------------|
| Shell Size              | O-Ring Seal MS29513- |
| 8                       | 16                   |
| 10                      | 18                   |
| 12                      | 21                   |
| 14                      | 23                   |
| 16                      | 25                   |
| 18                      | 27                   |
| 20                      | 29                   |
| 22                      | 30                   |
| 24                      | 31                   |

# 230-044 Bayonet coupling jam-nut receptacle with banding porch



| DIMENSIONS |                                                    |                                                                    |                                                      |                  |                                   |                               |                            |                                           |                                                                 |                     |                              |                  |                      |                 |
|------------|----------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------|------------------|-----------------------------------|-------------------------------|----------------------------|-------------------------------------------|-----------------------------------------------------------------|---------------------|------------------------------|------------------|----------------------|-----------------|
| Shell Size | A<br>Length<br>+.000<br>(0.00)<br>-0.031<br>(0.79) | B Ø<br>+.000<br>(0.00)<br>-0.031<br>(7.87)<br>Across Flange Corner | C<br>+.000<br>(.00)<br>-0.010<br>(0.25)<br>Mtg. Flat | D Ø<br>Max       | E<br>Panel Flat Location<br>±.005 | F<br>Mounting Flange Location | G<br>Flange Thickness      | J<br>To Thread Chamfer<br>±.010<br>(0.25) | K<br>+.010<br>(0.25)<br>-0.005<br>(0.13)<br>Panel Mounting Hole | L<br>Overall Length | N<br>UNEF-2A Mounting Thread | P Ø<br>Max       | S<br>Panel Thickness |                 |
|            |                                                    |                                                                    |                                                      |                  |                                   |                               |                            |                                           |                                                                 |                     |                              |                  | Min                  | Max             |
| 8          | 0.954<br>(24.23)                                   | 1.078<br>(27.38)                                                   | 0.530<br>(13.46)                                     | 0.475<br>(12.07) | 0.536<br>(13.61)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 0.572<br>(14.53)                                                | 1.335<br>(33.91)    | .5625-24                     | 0.538<br>(13.67) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 10         | 1.078<br>(27.38)                                   | 1.203<br>(30.56)                                                   | 0.655<br>(16.64)                                     | 0.600<br>(15.24) | 0.661<br>(16.79)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 0.697<br>(17.70)                                                | 1.335<br>(33.91)    | .6875-24                     | 0.662<br>(16.81) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 12         | 1.266<br>(32.16)                                   | 1.391<br>(35.33)                                                   | 0.818<br>(20.78)                                     | 0.700<br>(17.78) | 0.824<br>(20.93)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 0.885<br>(22.48)                                                | 1.335<br>(33.91)    | .875-20                      | 0.762<br>(19.35) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 14         | 1.391<br>(35.33)                                   | 1.516<br>(38.51)                                                   | 0.942<br>(23.93)                                     | 0.835<br>(21.21) | 0.948<br>(24.08)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 1.010<br>(25.65)                                                | 1.335<br>(33.91)    | 1.000-20                     | 0.898<br>(22.81) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 16         | 1.516<br>(38.51)                                   | 1.641<br>(41.68)                                                   | 1.066<br>(27.08)                                     | 0.960<br>(24.38) | 1.072<br>(27.23)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 1.135<br>(28.83)                                                | 1.335<br>(33.91)    | 1.125-18                     | 1.022<br>(25.96) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 18         | 1.641<br>(41.68)                                   | 1.766<br>(44.86)                                                   | 1.191<br>(30.25)                                     | 1.062<br>(26.97) | 1.197<br>(30.40)                  | .707 (17.96)<br>.691 (17.55)  | .113 (2.87)<br>.097 (2.46) | 0.368<br>(9.35)                           | 1.260<br>(32.00)                                                | 1.335<br>(33.91)    | 1.250-18                     | 1.125<br>(28.58) | 0.062<br>(1.57)      | 0.187<br>(4.75) |
| 20         | 1.828<br>(46.43)                                   | 1.954<br>(49.63)                                                   | 1.316<br>(33.43)                                     | 1.188<br>(30.18) | 1.322<br>(33.58)                  | .772 (19.61)<br>.754 (19.15)  | .148 (3.76)<br>.128 (3.25) | 0.368<br>(9.35)                           | 1.385<br>(35.18)                                                | 1.435<br>(36.45)    | 1.375-18                     | 1.250<br>(31.75) | 0.062<br>(1.57)      | 0.250<br>(6.35) |
| 22         | 1.954<br>(49.63)                                   | 2.078<br>(52.78)                                                   | 1.441<br>(36.60)                                     | 1.275<br>(32.39) | 1.447<br>(36.75)                  | .772 (19.61)<br>.754 (19.15)  | .148 (3.76)<br>.128 (3.25) | 0.368<br>(9.35)                           | 1.510<br>(38.35)                                                | 1.435<br>(36.45)    | 1.500-18                     | 1.338<br>(33.99) | 0.062<br>(1.57)      | 0.250<br>(6.35) |
| 24         | 2.078<br>(52.78)                                   | 2.203<br>(55.96)                                                   | 1.566<br>(39.78)                                     | 1.475<br>(37.47) | 1.572<br>(39.93)                  | .803 (20.40)<br>.785 (19.94)  | .148 (3.76)<br>.128 (3.25) | 0.395<br>(10.03)                          | 1.635<br>(41.53)                                                | 1.466<br>(37.24)    | 1.625-18                     | 1.538<br>(39.07) | 0.062<br>(1.57)      | 0.250<br>(6.35) |