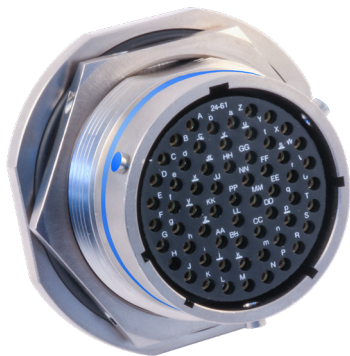


# GLENAIR SERIES 260

## MIL-DTL-26482 Series II Type

### 260-002-74 Jam-Nut Mount Receptacle MS3474



| HOW TO ORDER            |                                                                                                                                                                                                                                                                |            |    |            |                    |     |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----|------------|--------------------|-----|
| Sample Part Number      |                                                                                                                                                                                                                                                                | 260-002-74 | ME | 16         | -26                | P Y |
| Series / Basic Part No. | 260-002-74 = Jam-nut receptacle                                                                                                                                                                                                                                |            |    | Shell Size | Insert Arrangement |     |
| Material/Finish         | AB = Marine bronze, unplated<br>NF = Aluminum, cadmium O.D. over electroless nickel<br>ME = Aluminum, electroless nickel<br>TZ = Aluminum, tin-zinc green-gold over electroless nickel<br>ZR = Aluminum, zinc nickel-black<br>Z1 = Stainless Steel, passivated |            |    |            |                    |     |
|                         |                                                                                                                                                                                                                                                                |            |    |            |                    |     |
|                         |                                                                                                                                                                                                                                                                |            |    |            |                    |     |
|                         |                                                                                                                                                                                                                                                                |            |    |            |                    |     |
| 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, Gold, 500 mating cycles<br>S = Socket, Gold, 500 mating cycles<br>A = Pin insert, less pin contacts<br>B = Socket insert, less socket contacts<br>Connectors supplied with contacts (including spares), insertion/removal tool, and sealing plugs     |            |    |            |                    |     |
| Alt. Polarization       | W, X, Y, Z, Omit for normal                                                                                                                                                                                                                                    |            |    |            |                    |     |

#### NOTES

- Material/finish:
  - Shell, barrel, coupling nut, jam nut - see Table I
  - Wave spring - stainless steel / passivated
  - Grounding spring - BeCu alloy / nickel plating
  - insulator - high grade rigid dielectric
  - Seals, grommet - fluorosilicone blend
  - Contacts - copper alloy / gold
- Assembly is identified with Glenair's name, cage code, part number, and date code space permitting, location optional.
- Glenair's 260-002 connectors are designed to mate with any QPL manufacturer's MIL-DTL-26482, Series 1 & 2 connectors having the same shell size, insert arrangement, and polarization.
- Insert arrangement is in accordance with MIL-STD-1669. Contact manufacturer for additional arrangement options.
- Blue color band indicates rear release retention system.
- Connector is supplied with contacts (including spares), insertion/removal tool, and sealing plugs where indicated in table III.
- Consult factory for crimp tools and/or accessory selection.

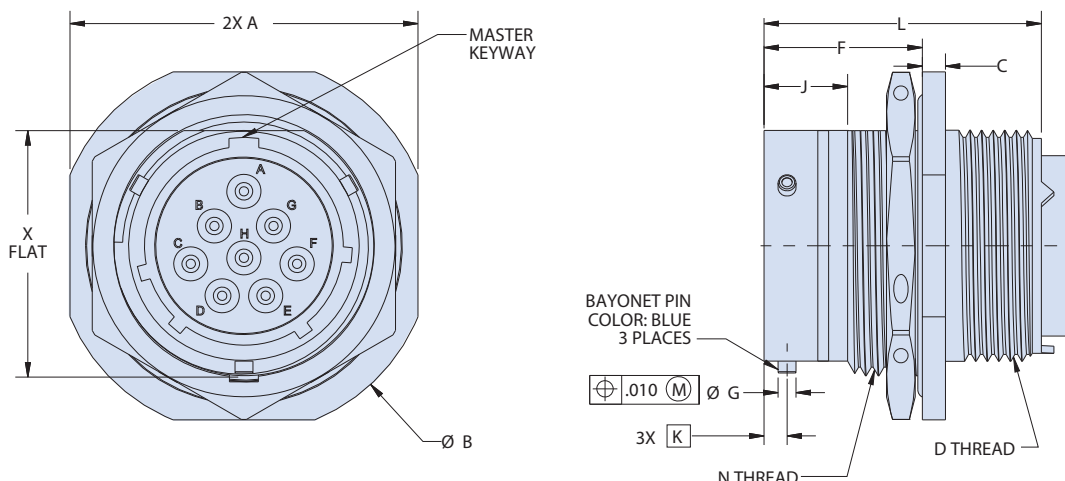
| SHELL SIZE - INSERT LAYOUT |                 |    |    |                     |                 |    |    |                     |                 |    |    |
|----------------------------|-----------------|----|----|---------------------|-----------------|----|----|---------------------|-----------------|----|----|
| 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 |
|                            |                 |    |    |                     |                 |    |    |                     |                 |    |    |

# GLENAIR SERIES 260

## MIL-DTL-26482 Series II Type



### 260-002-74 Jam-Nut Mount Receptacle MS3474



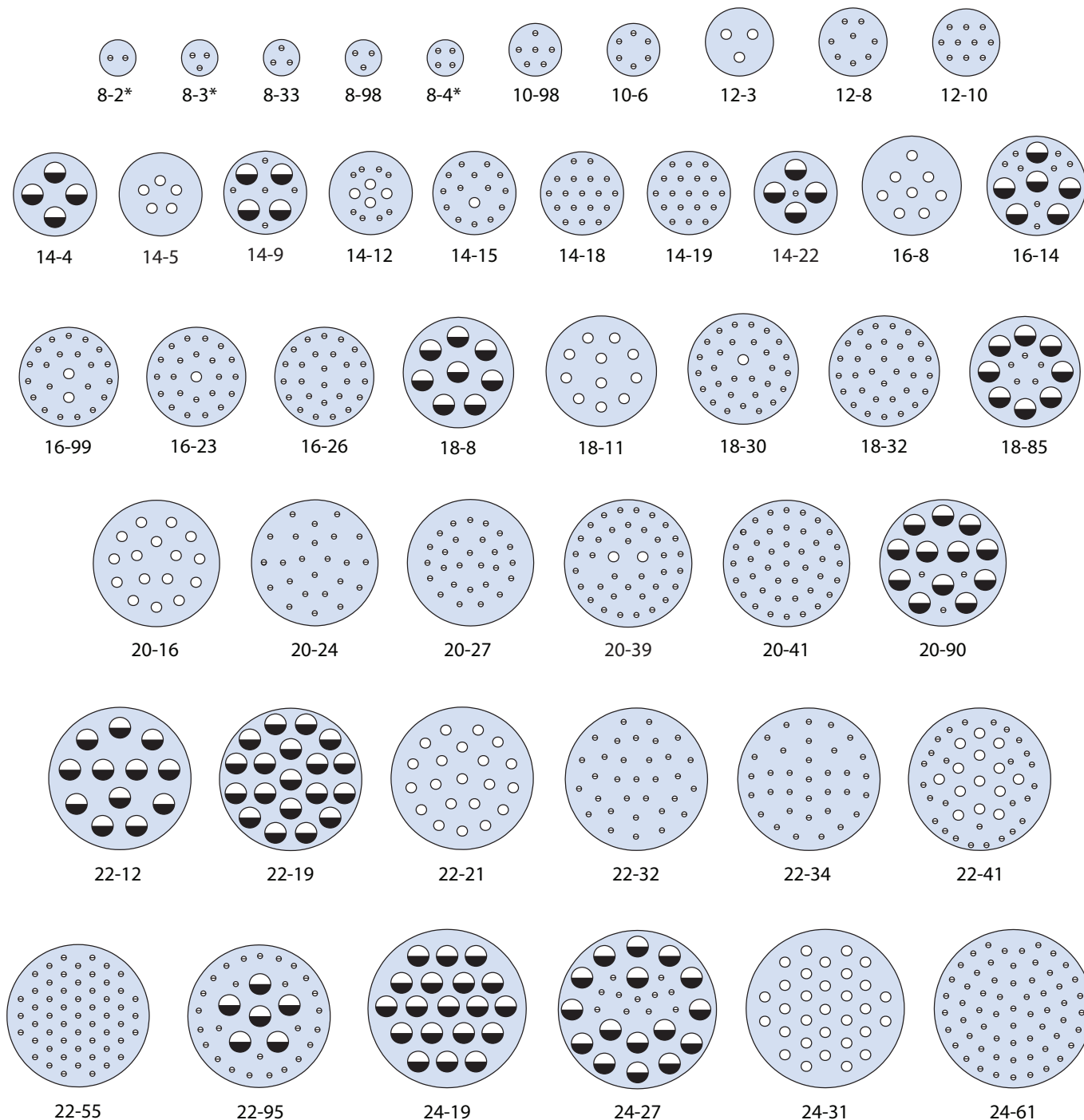
| DIMENSIONS |               |               |               |                   |                   |             |             |             |               |              |              |
|------------|---------------|---------------|---------------|-------------------|-------------------|-------------|-------------|-------------|---------------|--------------|--------------|
| Shell Size | A             | B             | X Flat        | N Thread          | D Thread          | ØG          | K Bsc       | C           | L Max         | F            | J            |
| 8          | .954 (24.23)  | 1.078 (27.38) | .525 (13.34)  | .5625-24 UNEF-2A  | .5000-20 UNF-2A   | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | .923 (23.44)  | 1.047 (26.59) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 10         | 1.078 (27.38) | 1.203 (30.56) | .650 (16.51)  | .6875-24 UNEF-2A  | .6250-24 UNEF-2A  | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | 1.047 (26.59) | 1.172 (29.77) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 12         | 1.266 (32.16) | 1.391 (35.33) | .813 (20.65)  | .8750-20 UNEF-2A  | .7500-20 UNEF-2A  | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | 1.235 (31.37) | 1.360 (34.54) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 14         | 1.391 (35.33) | 1.516 (38.51) | .937 (23.80)  | 1.000-20 UNEF-2A  | .8750-20 UNEF-2A  | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | 1.360 (34.54) | 1.485 (37.72) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 16         | 1.516 (38.51) | 1.641 (41.68) | 1.061 (26.95) | 1.1250-18 UNEF-2A | 1.000-20 UNEF-2A  | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | 1.485 (37.72) | 1.610 (40.89) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 18         | 1.641 (41.68) | 1.766 (44.86) | 1.186 (30.12) | 1.2500-18 UNEF-2A | 1.0625-18 UNEF-2A | .084 (2.13) | .100 (2.54) | .113 (2.87) | 1.215 (30.86) | .707 (17.96) | .378 (9.60)  |
|            | 1.610 (40.89) | 1.735 (44.07) |               |                   |                   | .076 (1.93) |             | .086 (2.18) |               | .658 (16.71) | .346 (8.79)  |
| 20         | 1.828 (46.43) | 1.954 (49.63) | 1.311 (33.30) | 1.3750-18 UNEF-2A | 1.1875-18 UNEF-2A | .084 (2.13) | .100 (2.54) | .148 (3.76) | 1.275 (32.39) | .772 (19.61) | .378 (9.60)  |
|            | 1.797 (45.64) | 1.923 (48.84) |               |                   |                   | .076 (1.93) |             | .096 (2.44) |               | .721 (18.31) | .346 (8.79)  |
| 22         | 1.954 (49.63) | 2.078 (52.78) | 1.436 (36.47) | 1.5000-18 UNEF-2A | 1.3125-18 UNEF-2A | .084 (2.13) | .100 (2.54) | .148 (3.76) | 1.275 (32.39) | .772 (19.61) | .378 (9.60)  |
|            | 1.923 (48.84) | 2.047 (51.99) |               |                   |                   | .076 (1.93) |             | .096 (2.44) |               | .721 (18.31) | .346 (8.79)  |
| 24         | 2.078 (52.78) | 2.203 (55.96) | 1.561 (39.65) | 1.6250-18 UNEF-2A | 1.4375-18 UNEF-2A | .131 (3.33) | .109 (2.77) | .148 (3.76) | 1.275 (32.39) | .772 (19.61) | .405 (10.29) |
|            | 2.047 (51.99) | 2.172 (55.17) |               |                   |                   | .123 (3.12) |             | .096 (2.44) |               | .721 (18.31) | .379 (9.63)  |

| PANEL MOUNT |            |       |       |        |       |
|-------------|------------|-------|-------|--------|-------|
|             | Shell Size | ØH    |       | E Flat |       |
|             |            |       |       |        |       |
|             | 8          | .572  | 14.53 | .536   | 13.61 |
|             | 10         | .697  | 17.70 | .661   | 16.79 |
|             | 12         | .895  | 22.73 | .824   | 20.93 |
|             | 14         | 1.010 | 25.65 | .948   | 24.08 |
|             | 16         | 1.135 | 28.83 | 1.072  | 27.23 |
|             | 18         | 1.260 | 32.00 | 1.197  | 30.40 |
|             | 20         | 1.385 | 35.18 | 1.322  | 33.58 |
|             | 22         | 1.510 | 38.35 | 1.447  | 36.75 |
|             | 24         | 1.635 | 41.53 | 1.572  | 39.93 |

# GLENAIR SERIES 260

## MIL-DTL-26482 Series II Type

### MIL-STD-1669 Insert Arrangements



| MIL-SPEC CONTACT PART NUMBERS |                  |                     |
|-------------------------------|------------------|---------------------|
| Contact Size                  | Pin Contacts P/N | Socket Contacts P/N |
| 20                            | M39029/4-110     | M39029/5-115        |
| 16                            | M39029/4-111     | M39029/5-116        |
| 12                            | M39029/4-113     | M39029/5-118        |

\*8-2, 8-3, 8-4 are non-QPL arrangements, available in Glenair COTS part numbers only.

|   |                 |
|---|-----------------|
| ● | Contact Size 20 |
| ○ | Contact Size 16 |
| ◐ | Contact Size 12 |

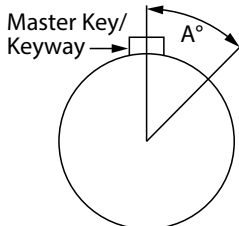
# GLENAIR SERIES 260

## MIL-DTL-26482 Series II Type



### MIL-STD-1669 Insert Arrangements Table and Alternate Positions

| INSERT ARRANGEMENTS   |                                |                           |    |    |                |
|-----------------------|--------------------------------|---------------------------|----|----|----------------|
| Shell Size Designator | Insert Arrangement Dash Number | Contact Size and Quantity |    |    | Service Rating |
|                       |                                | 20                        | 16 | 12 |                |
| 8                     | 8-2                            | 2                         |    |    | I              |
|                       | 8-3                            | 3                         |    |    | I              |
|                       | 8-4                            | 4                         |    |    | I              |
|                       | 8-33                           | 3                         |    |    | I              |
|                       | 8-98                           | 3                         |    |    | I              |
| 10                    | 10-6                           | 6                         |    |    | I              |
|                       | 10-98                          | 6                         |    |    | I              |
| 12                    | 12-3                           |                           | 3  |    | II             |
|                       | 12-8                           | 8                         |    |    | I              |
|                       | 12-10                          | 10                        |    |    | I              |
| 14                    | 14-4                           |                           |    | 4  | I              |
|                       | 14-5                           |                           | 5  |    | II             |
|                       | 14-9                           | 5                         |    | 4  | I              |
|                       | 14-12                          | 8                         | 4  |    | I              |
|                       | 14-15                          | 14                        | 1  |    | I              |
|                       | 14-18                          | 18                        |    |    | I              |
|                       | 14-19                          | 19                        |    |    | I              |
|                       | 14-22                          | 1                         |    | 4  | I              |
| 16                    | 16-8                           |                           | 8  |    | II             |
|                       | 16-14                          | 8                         |    | 6  | I              |
|                       | 16-23                          | 22                        | 1  |    | I              |
|                       | 16-26                          | 26                        |    |    | I              |
|                       | 16-99                          | 21                        | 2  |    | I              |
| 18                    | 18-8                           |                           |    | 8  | I              |
|                       | 18-11                          |                           | 11 |    | II             |
|                       | 18-30                          | 29                        | 1  |    | I              |
|                       | 18-32                          | 32                        |    |    | I              |
|                       | 18-85                          | 5                         |    | 8  | I              |
| 20                    | 20-16                          |                           | 16 |    | II             |
|                       | 20-24                          | 24                        |    |    | I              |
|                       | 20-27                          | 27                        |    |    | I              |
|                       | 20-39                          | 37                        | 2  |    | I              |
|                       | 20-41                          | 41                        |    |    | I              |
|                       | 20-90                          | 3                         |    | 12 | I              |
| 22                    | 22-12                          |                           |    | 12 | I              |
|                       | 22-19                          |                           |    | 19 | I              |
|                       | 22-21                          |                           | 21 |    | II             |
|                       | 22-32                          | 32                        |    |    | I              |
|                       | 22-34                          | 34                        |    |    | I              |
|                       | 22-41                          | 27                        | 14 |    | I              |
|                       | 22-55                          | 55                        |    |    | I              |
|                       | 22-95                          | 26                        |    | 6  | I              |
| 24                    | 24-19                          |                           |    | 19 | II             |
|                       | 24-27                          | 11                        |    | 16 | I              |
|                       | 24-31                          |                           | 31 |    | I              |
|                       | 24-61                          | 61                        |    |    | I              |

| ALTERNATE POSITIONS             |                                                                                     |     |     |     |
|---------------------------------|-------------------------------------------------------------------------------------|-----|-----|-----|
| Shell Size / Insert Arrangement |  |     |     |     |
|                                 | A°                                                                                  |     |     |     |
|                                 | W                                                                                   | X   | Y   | Z   |
| 8-2                             | 58                                                                                  | 122 | -   | -   |
| 8-3                             | 60                                                                                  | 210 | -   | -   |
| 8-4                             | 45                                                                                  | -   | -   | -   |
| 8-33                            | 90                                                                                  | -   | -   | -   |
| 8-98                            | -                                                                                   | -   | -   | -   |
| 10-6                            | 90                                                                                  | -   | -   | -   |
| 10-98                           | 90                                                                                  | 180 | 240 | 270 |
| 12-3                            | -                                                                                   | -   | 180 | -   |
| 12-8                            | 90                                                                                  | 112 | 203 | 292 |
| 12-10                           | 60                                                                                  | 155 | 270 | 295 |
| 14-4                            | 45                                                                                  | -   | -   | -   |
| 14-5                            | 40                                                                                  | 92  | 184 | 273 |
| 14-9                            | 15                                                                                  | 90  | 180 | 240 |
| 14-12                           | 43                                                                                  | 90  | -   | -   |
| 14-15                           | 17                                                                                  | 110 | 155 | 234 |
| 14-18                           | 15                                                                                  | 90  | 180 | 270 |
| 14-19                           | 30                                                                                  | 165 | 315 | -   |
| 14-22                           | 45                                                                                  | -   | -   | -   |
| 16-8                            | 54                                                                                  | 152 | 180 | 331 |
| 16-14                           | 25                                                                                  | 78  | 180 | 240 |
| 16-23                           | 158                                                                                 | 270 | -   | -   |
| 16-26                           | 60                                                                                  | -   | 275 | 338 |
| 16-99                           | 66                                                                                  | 156 | 223 | 340 |
| 18-8                            | 180                                                                                 | -   | -   | -   |
| 18-11                           | 62                                                                                  | 119 | 241 | 340 |
| 18-30                           | 180                                                                                 | 193 | 285 | 350 |
| 18-32                           | 85                                                                                  | 138 | 222 | 265 |
| 18-85                           | 45                                                                                  | 90  | 180 | 240 |
| 20-16                           | 238                                                                                 | 318 | 333 | 347 |
| 20-24                           | 70                                                                                  | 145 | 215 | 290 |
| 20-27                           | 72                                                                                  | 144 | 216 | 288 |
| 20-39                           | 63                                                                                  | 144 | 252 | 333 |
| 20-41                           | 45                                                                                  | 126 | 225 | -   |
| 20-90                           | 18                                                                                  | 60  | 240 | 270 |
| 22-12                           | -                                                                                   | -   | -   | -   |
| 22-19                           | 15                                                                                  | 90  | 225 | 308 |
| 22-21                           | 16                                                                                  | 135 | 175 | 349 |
| 22-32                           | 72                                                                                  | 145 | 215 | 288 |
| 22-34                           | 62                                                                                  | 142 | 218 | 298 |
| 22-41                           | 39                                                                                  | 135 | 264 | -   |
| 22-55                           | 30                                                                                  | 142 | 226 | 314 |
| 22-95                           | 26                                                                                  | 180 | 266 | -   |
| 24-19                           | 30                                                                                  | 165 | 315 | -   |
| 24-27                           | 45                                                                                  | 110 | 140 | 225 |
| 24-31                           | 90                                                                                  | 225 | 255 | -   |
| 24-61                           | 90                                                                                  | 180 | 270 | 324 |

# GLENAIR SERIES 260

## MIL-DTL-26482 Series II Type

### Reference Information

| COUPLING TORQUE |                                      |                       |
|-----------------|--------------------------------------|-----------------------|
| Shell Size      | Torque                               |                       |
|                 | Maximum engagement and disengagement | Minimum disengagement |
| 8               | 8 (.904 N-m)                         | 1 (.113 N-m)          |
| 10              | 10 (1.13 N-m)                        | 1 (.113 N-m)          |
| 12              | 14 (1.58 N-m)                        | 2 (.226 N-m)          |
| 14              | 17 (1.92 N-m)                        | 4 (.452 N-m)          |
| 16              | 23 (2.60 N-m)                        | 4 (.452 N-m)          |
| 18              | 26 (2.94 N-m)                        | 4 (.452 N-m)          |
| 20              | 31 (3.50 N-m)                        | 6 (.678 N-m)          |
| 22              | 38 (4.29 N-m)                        | 7 (.791 N-m)          |
| 24              | 38 (4.29 N-m)                        | 7 (.791 N-m)          |

| DIELECTRIC WITHSTANDING VOLTAGE |                                 |                   |
|---------------------------------|---------------------------------|-------------------|
| Altitude (ft.)                  | Minimum Test Voltages, AC (RMS) |                   |
|                                 | Service Rating I                | Service Rating II |
| Sea Level                       | 1,500                           | 2,300             |
| 50,000                          | 500                             | 750               |
| 70,000                          | 375                             | 500               |
| 110,000                         | 200                             | 200               |

| WORKING VOLTAGE, AC, RMS |                  |                   |
|--------------------------|------------------|-------------------|
| Condition                | Service Rating I | Service Rating II |
| Sea Level                | 600              | 1,000             |
| 70,000 ft.               | 600              | 450               |

| MATERIAL AND FINISH SPECIFICATIONS |                 |                      |                                                         |                 |                         |                       |                |                                            |
|------------------------------------|-----------------|----------------------|---------------------------------------------------------|-----------------|-------------------------|-----------------------|----------------|--------------------------------------------|
| Glenair Code                       | Material        | Finish               | Finish Specification                                    | Salt Spray Hrs. | Electrical Conductivity | Operating Temp. Range | RoHS Materials | Notes                                      |
| <b>AB</b>                          | Marine Bronze   | Unplated             | AMS4640 alloy, unplated                                 | 1000            | Conductive              | -65° to +200°C        | ✓              | Marine and geo-physical applications       |
| <b>ME</b>                          | Aluminum        | Electroless Nickel   | AMS-C-26074, Grade A; ASTM B733, SC 3                   | 96              | Conductive              | -65° to +200°C        | ✓              | High-durability electroless nickel finish. |
| <b>NF</b>                          | Aluminum        | Cadmium, Olive Drab  | AMS-QQ-P-416, Type II, Class 2, over electroless nickel | 500             | Conductive              | -65° to +175°C        |                | Olive drab cadmium finish.                 |
| <b>TZ</b>                          | Aluminum        | Tin-Zinc, Green-Gold | AMS2434, Type 2, over electroless nickel                | 500             | Conductive              | -65° to +175°C        | ✓              | Cadmium-compatible replacement.            |
| <b>ZR</b>                          | Aluminum        | Zinc-Nickel, Black   | ASTM B841, over electroless nickel                      | 500             | Conductive              | -65° to +175°C        | ✓              | Black zinc-nickel finish.                  |
| <b>Z1</b>                          | Stainless Steel | Passivate            | AMS2700                                                 | 500             | Conductive              | -65° to +200°C        | ✓              | Passivated stainless steel                 |

Wave spring = Stainless steel / passivated

Insulator = high-grade rigid dielectric • Seals, grommet = fluorosilicone blend

### NOTES

#### Additional Component Material / Finish

- Wave spring = Stainless steel / passivated
- Grounding spring = Copper alloy / nickel plated
- Insulator = high-grade rigid dielectric
- Seals, grommet = fluorosilicone blend

#### Notes

- Dimensions are subject to change without notice. Metric dimensions appear in parentheses in diagrams and tables, based on 1 inch = 25.4 mm, for reference only. Unless otherwise specified, the following other dimensional tolerances apply:
 

|                     |                         |
|---------------------|-------------------------|
| .xx = ± .03 (0.8)   | Lengths = ± .060 (1.52) |
| .xxx = ± .015 (0.4) | Angles = ± 5°           |

Customers are advised to consult the factory for the latest specifications, particularly to confirm critical dimensions such as connector lengths, threads, and so on. When errors or mistakes are brought to our attention, corrected content is posted immediately to [www.glenair.com](http://www.glenair.com).

#### For all parts in this catalog:

- All parts will be identified with manufacturer's name and part number, space permitting.
- Glenair 600 series backshell assembly tools are recommended for assembly and installation. Series 26 environmental connectors are designed to mate with any QPL manufacturer's MIL-DTL-26482 Series 1 and 2 connectors with the same shell size, insert arrangement, and polarization.
- Connectors ordered with contacts will be supplied with spares, insertion/removal tool, and sealing plugs.