

## MIL-C-26482 Series I



MIL-C-26482 series I circular connector is designed for quick bayonet coupling, solder contact, small size and medium contact density.

This family of circular connectors is offered 3 kinds of shell of different material, 9 kinds of size Shell, 4 kinds of finishes, 6 plug styles, 18 receptacle-mounting styles, 3 kinds of contact and more than 30 kinds of contact layout.

Widely used on commercial, military and aerospace systems, etc.

## Part number

|                                                     | RF | 3110 | E | 18 | -32 | P | N | L |
|-----------------------------------------------------|----|------|---|----|-----|---|---|---|
| Basic series                                        |    |      |   |    |     |   |   |   |
| Type of shell                                       |    |      |   |    |     |   |   |   |
| 3110 = Wall mounting square receptacle              |    |      |   |    |     |   |   |   |
| 3111 = Cable connecting receptacle                  |    |      |   |    |     |   |   |   |
| 3112 = Box mounting square receptacle               |    |      |   |    |     |   |   |   |
| 3114 = Jam nut receptacle                           |    |      |   |    |     |   |   |   |
| 3116 = Straight plug                                |    |      |   |    |     |   |   |   |
| 3117 = Thru bulkhead receptacle                     |    |      |   |    |     |   |   |   |
| Type                                                |    |      |   |    |     |   |   |   |
| B = PCB                                             |    |      |   |    |     |   |   |   |
| E = Grommet seal, conductive shell                  |    |      |   |    |     |   |   |   |
| F = Grommet seal, conductive shell with cable clamp |    |      |   |    |     |   |   |   |
| J = Hermetic cable, conductive shell                |    |      |   |    |     |   |   |   |
| M = Waterproof                                      |    |      |   |    |     |   |   |   |
| P = Hermetic encapsulation, conductive shell        |    |      |   |    |     |   |   |   |
| R = Without back shell                              |    |      |   |    |     |   |   |   |
| Shell size                                          |    |      |   |    |     |   |   |   |
| 08, 10, 12, 14, 16, 18, 20, 22, 24                  |    |      |   |    |     |   |   |   |
| Contact layout (see below)                          |    |      |   |    |     |   |   |   |
| Contact                                             |    |      |   |    |     |   |   |   |
| P = Pin                                             |    |      |   |    |     |   |   |   |
| S = Socket                                          |    |      |   |    |     |   |   |   |
| Orientation                                         |    |      |   |    |     |   |   |   |
| N, W, X, Y, Z                                       |    |      |   |    |     |   |   |   |
| Finish                                              |    |      |   |    |     |   |   |   |
| Omit = Olive drab cadmium plating                   |    |      |   |    |     |   |   |   |
| A = Black anodized                                  |    |      |   |    |     |   |   |   |
| B = Olive green cadmium plating                     |    |      |   |    |     |   |   |   |
| S = Stainless steel passivated                      |    |      |   |    |     |   |   |   |
| L = Electroless nickel plating                      |    |      |   |    |     |   |   |   |

## Performance specifications

Operating temperature range:

-55 °C ~ +125 °C

Shell Material:

Aluminium-alloy, copper-alloy or stainless-steel

Corrosion resistance:

Class L withstand 48 hours salt spray and others withstand 500 hours salt spray.

Environmental seal:

$$\leq 4.6 \times 10^2 \text{ Pa} \cdot \text{cm}^3/\text{s}$$

Durability:

$$\geq 500 \text{ cycles}$$

Shock:

$$\text{Max acceleration } 490 \text{ m/s}^2$$

Random vibration:

$$\text{Frequency } 10\text{Hz} \sim 2000\text{Hz at } 147 \text{ m/s}^2$$

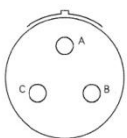
## Contact

| Contact No. | Diameter (mm) | Resistance (mΩ) | Current (A) |
|-------------|---------------|-----------------|-------------|
| 20 #        | Φ 1.00        | ≤ 5             | 7.5         |
| 16 #        | Φ 1.59        | ≤ 3             | 13.0        |
| 12 #        | Φ 2.39        | ≤ 2             | 23.0        |

## Voltage rating (V)

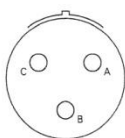
| Service rating | Suggested operating voltage |      | Test voltage |      |
|----------------|-----------------------------|------|--------------|------|
|                | I                           | II   | I            | II   |
| Sea level      | 600                         | 1000 | 1500         | 2300 |
| 22000 m        | 300                         | 450  | 375          | 500  |

## Contact layout



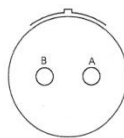
0833

3-20 #



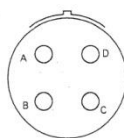
0898

3-20 #



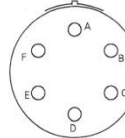
0802

2-20 #



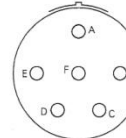
0804

4-20 #



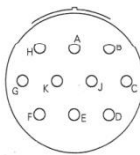
1006

6-20 #



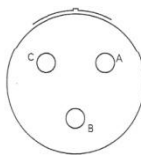
1098

6-20 #



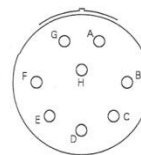
1210

10-20 #



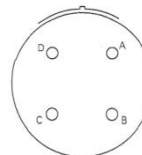
1203

3-16 #



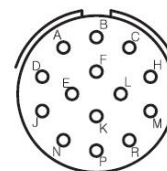
1208

8-20 #



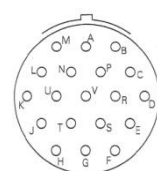
1204

4-16 #



1214

14-20 #

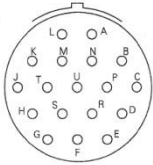


1409

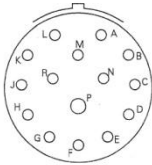
19-20 #



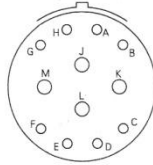
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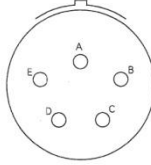
1418  
18-20 #



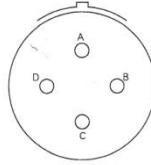
1415  
14-20 #  
1-16#



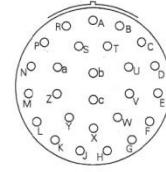
1412  
8-20 #  
4-16#



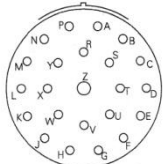
1405  
5-16 #



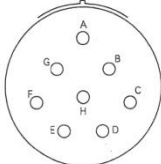
1404  
4-12 #



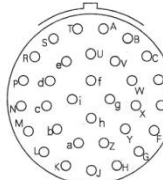
1626  
26-20 #



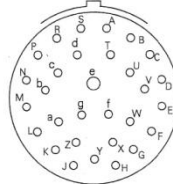
1623  
22-20 #  
1-16 #



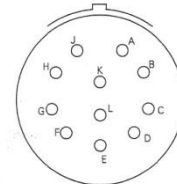
1608  
8-16 #



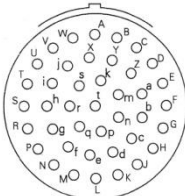
1832  
32-20 #



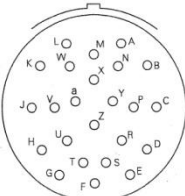
1830  
29-20 #  
1-16 #



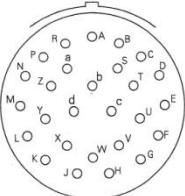
1811  
11-16 #



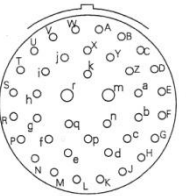
2041  
41-20 #



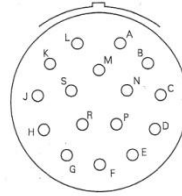
2024  
24-20 #



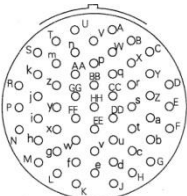
2027  
27-20 #



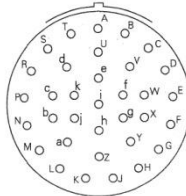
2039  
37-20 #  
2-16 #



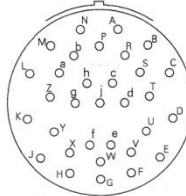
2016  
16-16 #



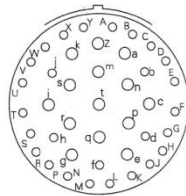
2255  
55-20 #



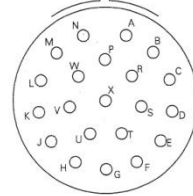
2234  
34-20 #



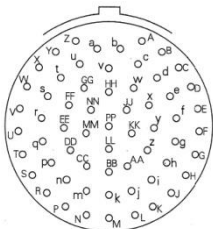
2232  
32-20 #



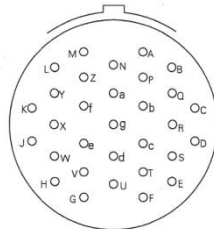
2241  
27-20 #  
14-16 #



2221  
21-16 #

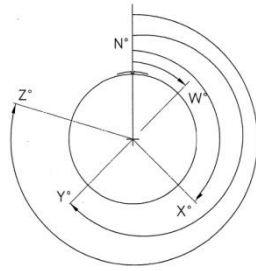


2461  
61-20 #



2431  
31-16 #

## Orientation

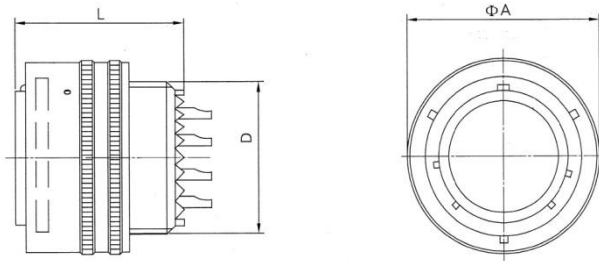


| Shell No. | Layout No. | Degree |     |     |     |     |
|-----------|------------|--------|-----|-----|-----|-----|
|           |            | N      | W   | X   | Y   | Z   |
| 8         | 08-02      | 0      | 60  | 210 | --- | --- |
|           | 08-33      | 0      | 90  | --- | --- | --- |
|           | 08-04      | 0      | 45  | --- | --- | --- |
| 10        | 10-06      | 0      | 90  | --- | --- | --- |
|           | 10-98      | 0      | 90  | 180 | 240 | 270 |
| 12        | 12-10      | 0      | 60  | 155 | 270 | 295 |
|           | 12-08      | 0      | 90  | 112 | 203 | 292 |
|           | 12-03      | 0      | --- | --- | 180 | --- |
| 14        | 14-19      | 0      | 30  | 165 | 315 | --- |
|           | 14-18      | 0      | 15  | 90  | 180 | 270 |
|           | 14-15      | 0      | 17  | 110 | 155 | 234 |
|           | 14-12      | 0      | 43  | 90  | --- | --- |
|           | 14-05      | 0      | 40  | 92  | 184 | 273 |
|           | 14-04      | 0      | 45  | 150 | --- | --- |
| 16        | 16-26      | 0      | 60  | --- | 275 | 338 |
|           | 16-23      | 0      | 158 | 270 | --- | --- |
|           | 16-08      | 0      | 54  | 152 | 180 | 331 |
| 18        | 18-32      | 0      | 85  | 138 | 222 | 265 |
|           | 18-11      | 0      | 62  | 119 | 241 | 340 |
|           | 18-30      | 0      | 180 | 193 | 285 | 350 |
| 20        | 20-41      | 0      | 45  | 126 | 225 | --- |
|           | 20-39      | 0      | 63  | 144 | 252 | 333 |
|           | 20-16      | 0      | 238 | 318 | 333 | 347 |
|           | 20-24      | 0      | 70  | 145 | 215 | 290 |
|           | 20-27      | 0      | 72  | 144 | 216 | 288 |
| 22        | 22-55      | 0      | 30  | 142 | 226 | 314 |
|           | 22-41      | 0      | 39  | 135 | 264 | --- |
|           | 22-21      | 0      | 16  | 135 | 175 | 349 |
|           | 22-34      | 0      | 62  | 142 | 218 | 298 |
|           | 22-32      | 0      | 72  | 145 | 215 | 288 |
| 24        | 24-61      | 0      | 90  | 180 | 270 | 324 |
|           | 24-31      | 0      | 90  | 225 | 255 | --- |



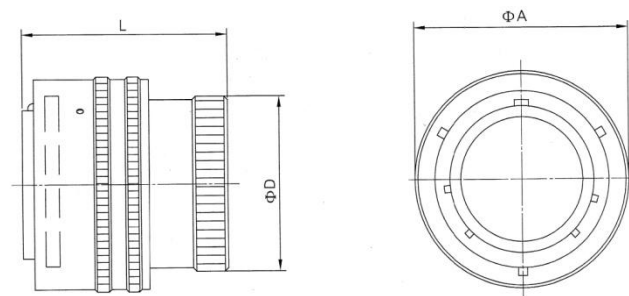
## Shell size

### Straight plug (RF3116R)



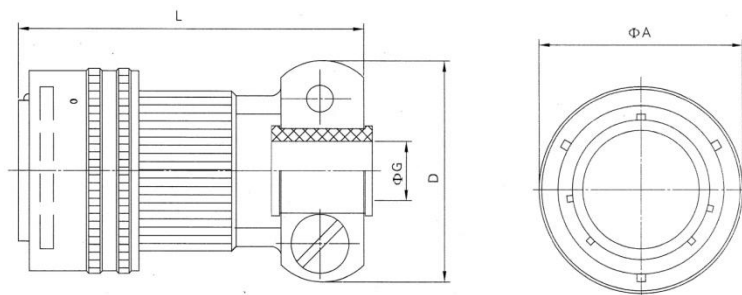
| Shell No.           | 8             | 10            | 12            | 14            | 16            | 18            | 20            | 22            | 24            |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| L (max)             | 21.0          | 21.0          | 21.0          | 21.0          | 21.0          | 21.0          | 23.0          | 23.0          | 23.0          |
| A                   | 19.0          | 21.0          | 26.0          | 28.5          | 31.0          | 35.0          | 39.0          | 42.0          | 45.0          |
| Thread D<br>UNEF-2A | 0.4375-<br>28 | 0.5625-<br>24 | 0.6875-<br>24 | 0.8125-<br>20 | 0.9375-<br>20 | 1.0625-<br>18 | 1.1875-<br>18 | 1.3125-<br>18 | 1.4375-<br>18 |

### Straight plug (MS3116E)



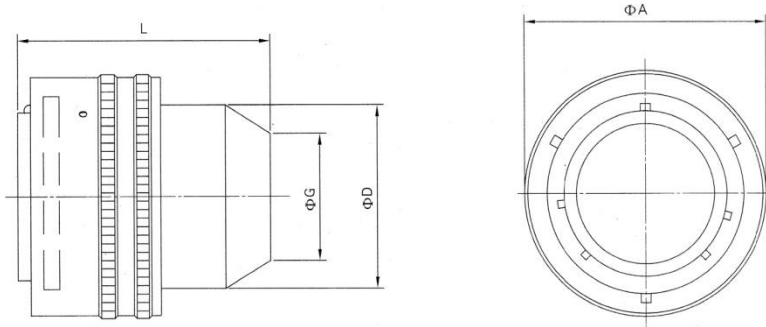
| Shell No.           | 8             | 10            | 12            | 14            | 16            | 18            | 20            | 22            | 24            |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| L (max)             | 32.5          | 32.5          | 32.5          | 32.5          | 32.5          | 32.5          | 33.3          | 33.3          | 33.3          |
| A                   | 19.0          | 21.0          | 26.0          | 28.5          | 31.0          | 35.0          | 39.0          | 42.0          | 45.0          |
| Thread D<br>UNEF-2A | 0.4375-<br>28 | 0.5625-<br>24 | 0.6875-<br>24 | 0.8125-<br>20 | 0.9375-<br>20 | 1.0625-<br>18 | 1.1875-<br>18 | 1.3125-<br>18 | 1.4375-<br>18 |

### Straight plug (RF3116F)



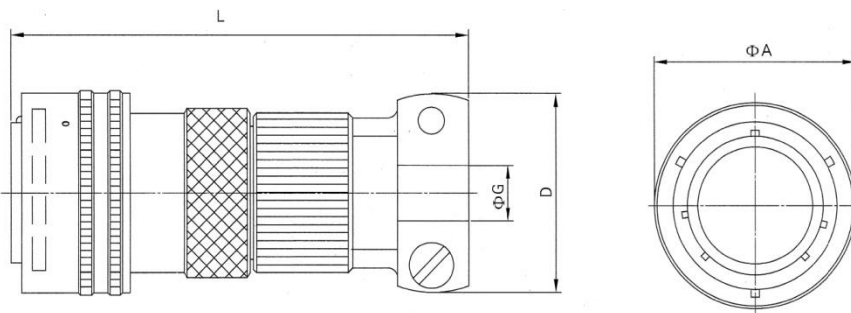
| Shell No. | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 22   | 24   |
|-----------|------|------|------|------|------|------|------|------|------|
| L (max)   | 48.0 | 48.0 | 48.0 | 48.0 | 51.0 | 51.0 | 52.0 | 52.0 | 52.0 |
| A (max)   | 19.0 | 21.0 | 26.0 | 28.5 | 31.0 | 35.0 | 39.0 | 42.0 | 45.0 |
| D (max)   | 19.9 | 21.5 | 24.0 | 27.8 | 29.4 | 35.3 | 35.3 | 41.1 | 42.4 |
| G (max)   | 3.5  | 5.0  | 8.2  | 10.0 | 13.0 | 16.0 | 16.0 | 19.3 | 20.6 |

### Straight plug (RF3116P)



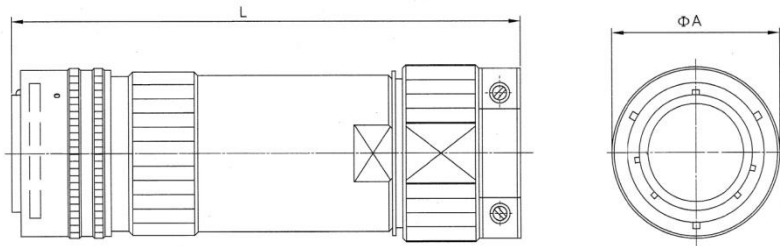
| Shell No. | 8     | 10    | 12    | 14    | 16    | 18    | 20    | 22    | 24    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L (max)   | 36.20 | 36.20 | 36.20 | 36.20 | 36.20 | 37.70 | 42.40 | 42.40 | 42.80 |
| A (max)   | 19.00 | 21.00 | 26.00 | 28.50 | 31.00 | 35.00 | 39.00 | 42.00 | 45.00 |
| D (max)   | 15.34 | 17.70 | 21.69 | 23.90 | 27.00 | 30.50 | 33.65 | 37.10 | 40.00 |
| G (max)   | 10.46 | 13.55 | 13.96 | 17.42 | 20.56 | 23.66 | 23.92 | 25.52 | 32.00 |

### Straight plug (RF3116J)



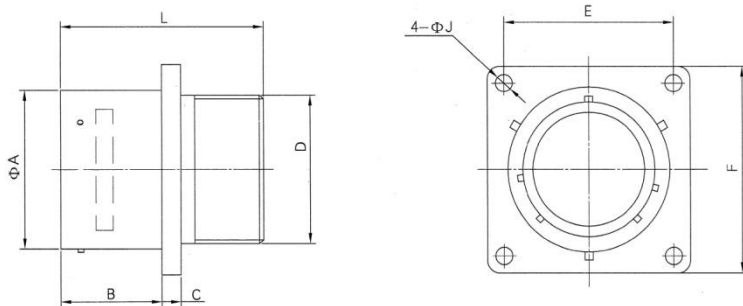
| Shell No. | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 22   | 24    |
|-----------|------|------|------|------|------|------|------|------|-------|
| L (max)   | 57.6 | 57.6 | 61.2 | 66.0 | 74.7 | 80.5 | 91.6 | 95.6 | 101.2 |
| A (max)   | 19.0 | 21.0 | 26.0 | 28.5 | 31.0 | 35.0 | 39.0 | 42.0 | 45.0  |
| D (max)   | 19.9 | 21.5 | 24.0 | 27.8 | 29.4 | 35.3 | 35.3 | 41.1 | 42.4  |
| G (max)   | 5.4  | 6.4  | 9.8  | 11.7 | 15.1 | 16.4 | 17.3 | 18.2 | 20.0  |

### Straight plug (RF3116M)



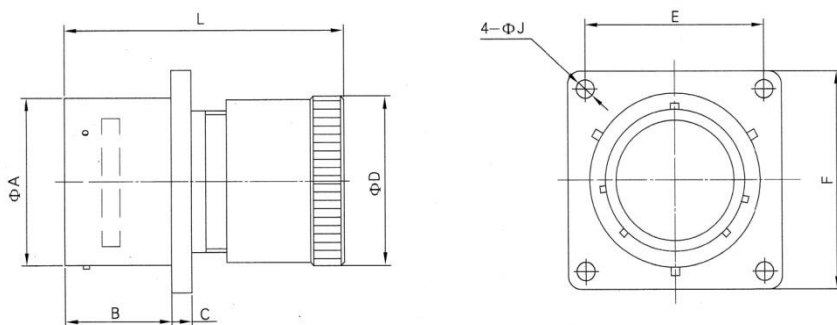
| Shell No. | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 22   | 24   |
|-----------|------|------|------|------|------|------|------|------|------|
| L         | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 78.0 | 78.0 | 78.0 |
| A         | 19.0 | 21.0 | 26.0 | 28.5 | 31.0 | 35.0 | 39.0 | 42.0 | 45.0 |

### Wall mounting receptacle RF3110R)



| Shell No. | L (max) | A     | B (max) | C (max) | E     | F (max) | J   | Thread D UNEF-2A |
|-----------|---------|-------|---------|---------|-------|---------|-----|------------------|
| 8         | 21      | 12.04 | 11.7    | 1.7     | 15.09 | 20.99   | 3.2 | 0.4375-28        |
| 10        | 21      | 15.00 | 11.7    | 1.7     | 18.26 | 24.19   | 3.2 | 0.5625-24        |
| 12        | 21      | 19.07 | 11.7    | 1.7     | 20.62 | 26.54   | 3.2 | 0.6875-24        |
| 14        | 21      | 22.25 | 11.7    | 1.7     | 23.00 | 28.89   | 3.2 | 0.8125-20        |
| 16        | 21      | 25.43 | 11.7    | 1.7     | 24.61 | 31.29   | 3.2 | 0.9375-20        |
| 18        | 21      | 28.60 | 11.7    | 1.7     | 26.97 | 33.69   | 3.2 | 1.0625-18        |
| 20        | 23      | 31.78 | 14.3    | 2.5     | 29.36 | 36.89   | 3.2 | 1.1875-18        |
| 22        | 23      | 34.95 | 14.3    | 2.5     | 31.75 | 39.99   | 3.2 | 1.3125-18        |
| 24        | 23      | 38.13 | 15.2    | 2.5     | 34.92 | 43.15   | 3.8 | 1.4375-18        |

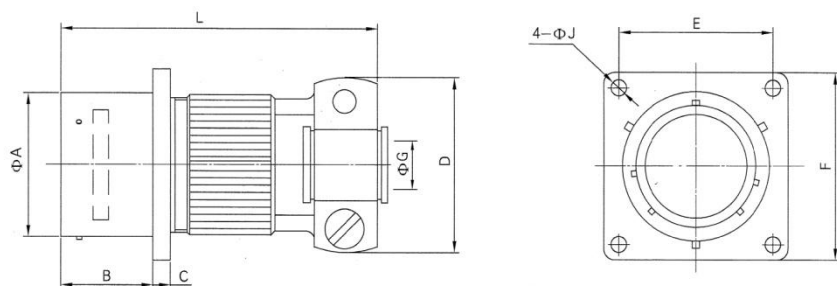
### Wall mounting receptacle (RF3110E)





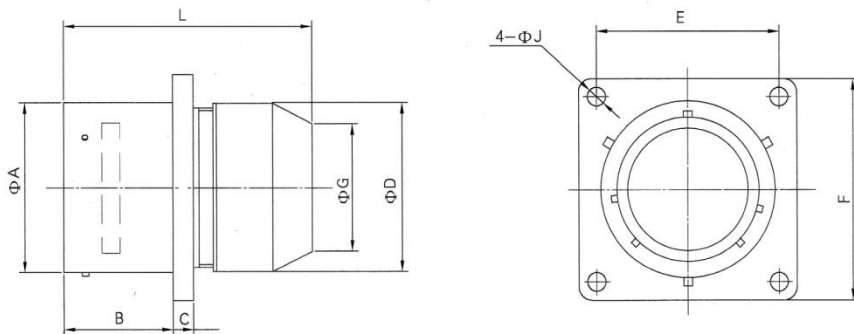
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | E     | F (max) | J   |
|-----------|---------|-------|---------|---------|---------|-------|---------|-----|
| 8         | 32.7    | 12.04 | 11.70   | 1.7     | 13.5    | 15.09 | 20.99   | 3.2 |
| 10        | 32.7    | 15.00 | 11.70   | 1.7     | 16.7    | 18.26 | 24.19   | 3.2 |
| 12        | 32.7    | 19.07 | 11.70   | 1.7     | 19.9    | 20.62 | 26.54   | 3.2 |
| 14        | 32.7    | 22.25 | 11.70   | 1.7     | 23.4    | 23.00 | 28.89   | 3.2 |
| 16        | 32.7    | 25.43 | 11.70   | 1.7     | 26.6    | 24.61 | 31.29   | 3.2 |
| 18        | 32.7    | 28.60 | 11.70   | 1.7     | 29.5    | 26.97 | 33.69   | 3.2 |
| 20        | 34.5    | 31.78 | 14.35   | 2.5     | 32.7    | 29.36 | 36.89   | 3.2 |
| 22        | 34.5    | 34.95 | 14.35   | 2.5     | 36.0    | 31.75 | 39.99   | 3.2 |
| 24        | 34.5    | 38.13 | 15.2    | 2.5     | 39.1    | 34.92 | 43.15   | 3.8 |

### Wall mounting receptacle (RF3110F)



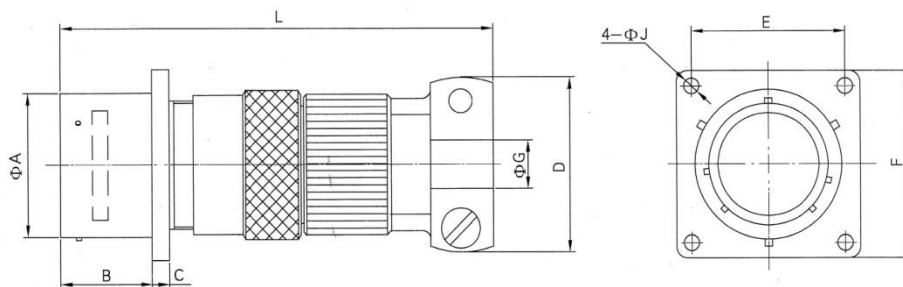
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | E     | F (max) | G    | J   |
|-----------|---------|-------|---------|---------|---------|-------|---------|------|-----|
| 8         | 48.0    | 12.04 | 11.70   | 1.7     | 19.9    | 15.09 | 20.99   | 3.5  | 3.2 |
| 10        | 48.0    | 15.00 | 11.70   | 1.7     | 21.5    | 18.26 | 24.19   | 5.0  | 3.2 |
| 12        | 48.0    | 19.07 | 11.70   | 1.7     | 24.0    | 20.62 | 26.54   | 8.2  | 3.2 |
| 14        | 48.0    | 22.25 | 11.70   | 1.7     | 27.8    | 23.00 | 28.89   | 10.0 | 3.2 |
| 16        | 51.0    | 25.43 | 11.70   | 1.7     | 29.4    | 24.61 | 31.29   | 13.0 | 3.2 |
| 18        | 51.0    | 28.60 | 11.70   | 1.7     | 35.3    | 26.97 | 33.69   | 16.0 | 3.2 |
| 20        | 53.0    | 31.78 | 14.35   | 2.5     | 35.3    | 29.36 | 36.89   | 16.0 | 3.2 |
| 22        | 53.0    | 34.95 | 14.35   | 2.5     | 41.1    | 31.75 | 39.99   | 19.3 | 3.2 |
| 24        | 53.0    | 38.13 | 15.20   | 2.5     | 42.4    | 34.92 | 43.15   | 20.6 | 3.8 |

### Wall mounting receptacle (RF3110P)



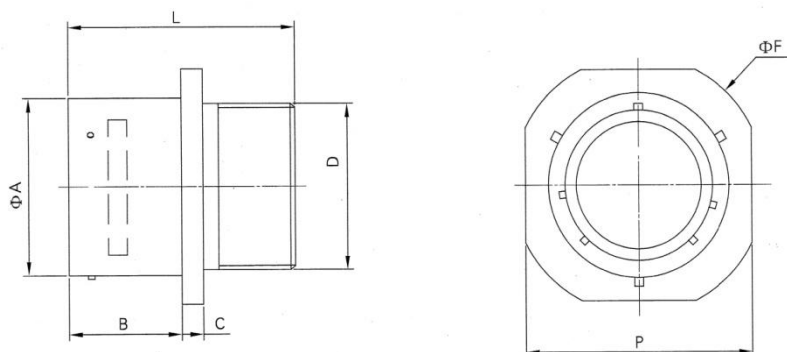
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | E     | F (max) | G     | J   |
|-----------|---------|-------|---------|---------|---------|-------|---------|-------|-----|
| 8         | 36.2    | 12.04 | 11.70   | 1.7     | 15.34   | 15.09 | 20.99   | 10.46 | 3.2 |
| 10        | 36.2    | 15.00 | 11.70   | 1.7     | 17.70   | 18.26 | 24.19   | 13.55 | 3.2 |
| 12        | 36.2    | 19.07 | 11.70   | 1.7     | 21.69   | 20.62 | 26.54   | 13.96 | 3.2 |
| 14        | 36.2    | 22.25 | 11.70   | 1.7     | 23.90   | 23.00 | 28.89   | 17.42 | 3.2 |
| 16        | 36.2    | 25.43 | 11.70   | 1.7     | 27.00   | 24.61 | 31.29   | 20.56 | 3.2 |
| 18        | 36.9    | 28.60 | 11.70   | 1.7     | 30.50   | 26.97 | 33.69   | 23.66 | 3.2 |
| 20        | 43.8    | 31.78 | 14.35   | 2.5     | 33.65   | 29.36 | 36.89   | 23.92 | 3.2 |
| 22        | 43.8    | 34.95 | 14.35   | 2.5     | 37.10   | 31.75 | 39.99   | 25.52 | 3.2 |
| 24        | 43.8    | 38.13 | 15.20   | 2.5     | 40.00   | 34.92 | 43.15   | 32.00 | 3.8 |

### Wall mounting receptacle (RF3110J)



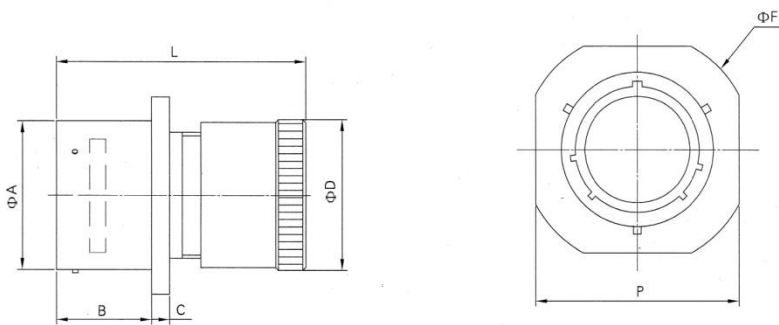
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | E     | F (max) | G ± 0.4 | J   |
|-----------|---------|-------|---------|---------|---------|-------|---------|---------|-----|
| 8         | 57.6    | 12.04 | 11.70   | 1.7     | 19.9    | 15.09 | 20.99   | 5.4     | 3.2 |
| 10        | 57.6    | 15.00 | 11.70   | 1.7     | 21.5    | 18.26 | 24.19   | 6.4     | 3.2 |
| 12        | 61.2    | 19.07 | 11.70   | 1.7     | 24.0    | 20.62 | 26.54   | 9.8     | 3.2 |
| 14        | 66.0    | 22.25 | 11.70   | 1.7     | 27.8    | 23.00 | 28.89   | 11.7    | 3.2 |
| 16        | 74.7    | 25.43 | 11.70   | 1.7     | 29.4    | 24.61 | 31.29   | 15.1    | 3.2 |
| 18        | 80.5    | 28.60 | 11.70   | 1.7     | 35.3    | 26.97 | 33.69   | 16.4    | 3.2 |
| 20        | 91.6    | 31.78 | 14.35   | 2.5     | 35.3    | 29.36 | 36.89   | 17.3    | 3.2 |
| 22        | 95.6    | 34.95 | 14.35   | 2.5     | 41.1    | 31.75 | 39.99   | 18.2    | 3.2 |
| 24        | 101.2   | 38.13 | 15.20   | 2.5     | 42.4    | 34.92 | 43.15   | 20.0    | 3.8 |

### Cable connecting receptacle (RF3111R)



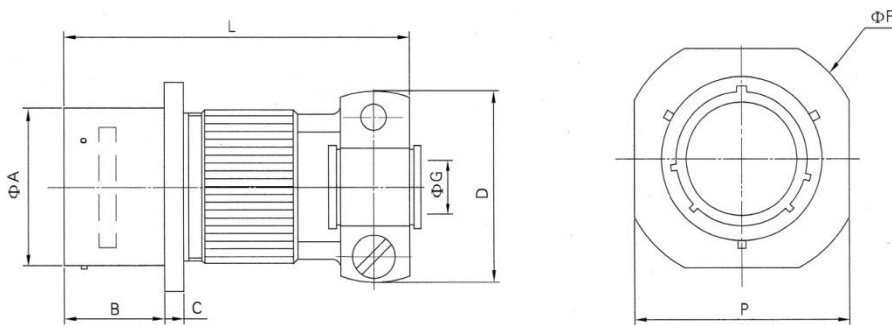
| Shell No. | L (max) | A     | B (max) | C (max) | F (max) | P     | Thread D UNEF-2A |
|-----------|---------|-------|---------|---------|---------|-------|------------------|
| 8         | 21      | 12.04 | 10.6    | 2.4     | 24.24   | 20.99 | 0.4375-28        |
| 10        | 21      | 15.00 | 10.6    | 2.4     | 27.44   | 24.19 | 0.5625-24        |
| 12        | 21      | 19.07 | 10.6    | 2.4     | 29.79   | 26.54 | 0.6875-24        |
| 14        | 21      | 22.25 | 10.6    | 2.4     | 32.10   | 28.89 | 0.8125-20        |
| 16        | 21      | 25.43 | 10.6    | 2.4     | 34.59   | 31.29 | 0.9375-20        |
| 18        | 21      | 28.60 | 10.6    | 2.4     | 36.94   | 33.69 | 1.0625-18        |
| 20        | 23      | 31.78 | 13.8    | 2.9     | 40.14   | 36.89 | 1.1875-18        |
| 22        | 23      | 34.95 | 13.8    | 2.9     | 43.24   | 40.00 | 1.3125-18        |
| 24        | 23      | 38.13 | 14.7    | 2.9     | 46.44   | 43.29 | 1.4375-18        |

### Cable connecting receptacle (RF3111E)



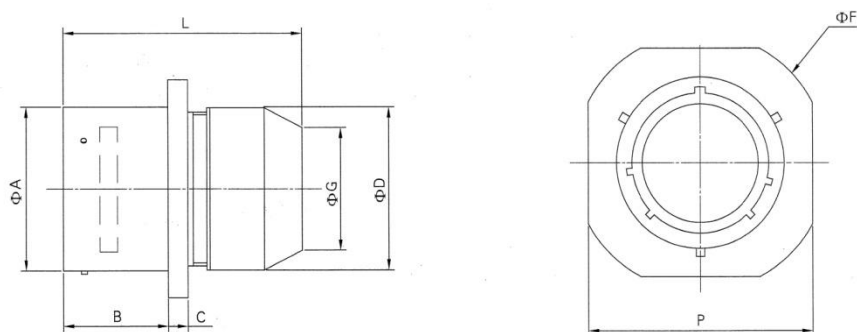
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | F (max) | P (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|
| 8         | 32.7    | 12.04 | 10.6    | 2.4     | 13.5    | 24.24   | 20.99   |
| 10        | 32.7    | 15.00 | 10.6    | 2.4     | 16.7    | 27.44   | 24.19   |
| 12        | 32.7    | 19.07 | 10.6    | 2.4     | 19.9    | 29.79   | 26.54   |
| 14        | 32.7    | 22.25 | 10.6    | 2.4     | 23.4    | 32.10   | 28.89   |
| 16        | 32.7    | 25.43 | 10.6    | 2.4     | 26.6    | 34.59   | 31.29   |
| 18        | 32.7    | 28.60 | 10.6    | 2.4     | 29.5    | 36.94   | 33.69   |
| 20        | 34.5    | 31.78 | 13.8    | 2.9     | 32.7    | 40.14   | 36.89   |
| 22        | 34.5    | 34.95 | 13.8    | 2.9     | 36.0    | 43.24   | 40.00   |
| 24        | 34.5    | 38.13 | 14.7    | 2.9     | 39.1    | 46.44   | 43.29   |

### Cable connecting receptacle (RF3111F)



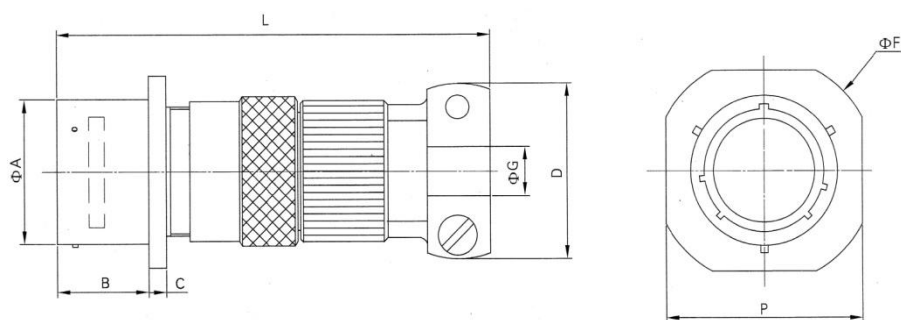
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | G (max) | F (max) | P (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|
| 8         | 48.0    | 12.04 | 10.6    | 2.4     | 19.9    | 3.5     | 24.24   | 20.99   |
| 10        | 48.0    | 15.00 | 10.6    | 2.4     | 21.5    | 5.0     | 27.44   | 24.19   |
| 12        | 48.0    | 19.07 | 10.6    | 2.4     | 24.0    | 8.2     | 29.79   | 26.54   |
| 14        | 48.0    | 22.25 | 10.6    | 2.4     | 27.8    | 10.0    | 32.10   | 28.89   |
| 16        | 51.0    | 25.43 | 10.6    | 2.4     | 29.4    | 13.0    | 34.59   | 31.29   |
| 18        | 51.0    | 28.60 | 10.6    | 2.4     | 35.3    | 16.0    | 36.94   | 33.69   |
| 20        | 53.0    | 31.78 | 13.8    | 2.9     | 35.3    | 16.0    | 40.14   | 36.89   |
| 22        | 53.0    | 34.95 | 13.8    | 2.9     | 41.4    | 19.3    | 43.24   | 40.00   |
| 24        | 53.0    | 38.13 | 14.7    | 2.9     | 42.4    | 20.6    | 46.44   | 43.29   |

Cable connecting receptacle (RF3111P)



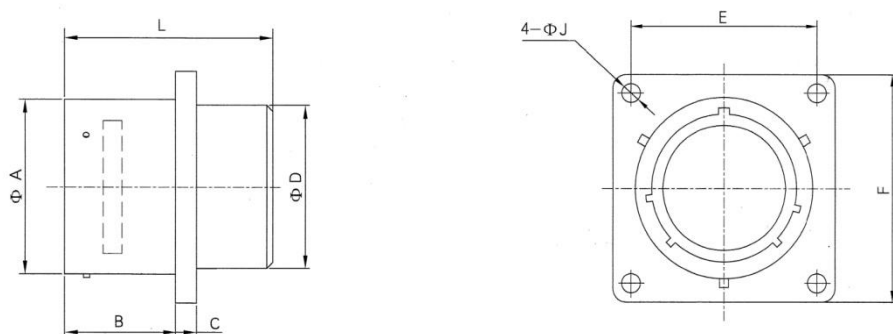
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | G (max) | F (max) | P (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|
| 8         | 36.2    | 12.04 | 10.6    | 2.4     | 15.34   | 10.46   | 24.24   | 20.99   |
| 10        | 36.2    | 15.00 | 10.6    | 2.4     | 17.70   | 13.55   | 27.44   | 24.19   |
| 12        | 36.2    | 19.07 | 10.6    | 2.4     | 21.69   | 13.96   | 29.79   | 26.54   |
| 14        | 36.2    | 22.25 | 10.6    | 2.4     | 23.90   | 17.42   | 32.10   | 28.89   |
| 16        | 36.2    | 25.43 | 10.6    | 2.4     | 27.00   | 20.56   | 34.59   | 31.29   |
| 18        | 36.9    | 28.60 | 10.6    | 2.4     | 30.50   | 23.66   | 36.94   | 33.69   |
| 20        | 43.8    | 31.78 | 13.8    | 2.9     | 33.65   | 23.92   | 40.14   | 36.89   |
| 22        | 43.8    | 34.95 | 13.8    | 2.9     | 37.10   | 25.52   | 43.24   | 40.00   |
| 24        | 43.8    | 38.13 | 14.7    | 2.9     | 40.00   | 32.00   | 46.44   | 43.29   |

Cable connecting receptacle (RF3111J)



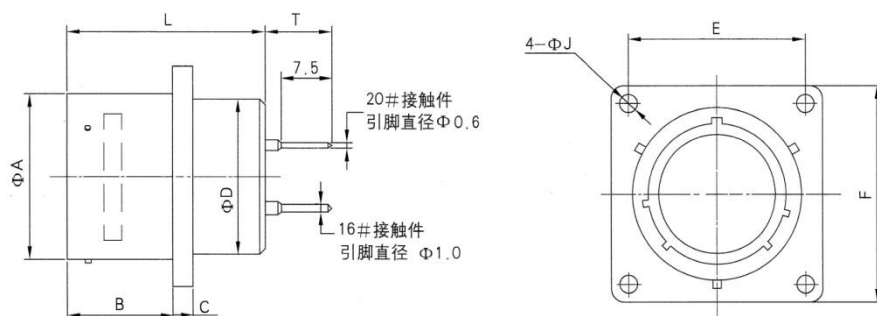
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | G $\pm$ 0.4 | F (max) | P (max) |
|-----------|---------|-------|---------|---------|---------|-------------|---------|---------|
| 8         | 57.6    | 12.04 | 10.6    | 2.4     | 19.9    | 5.4         | 24.24   | 20.99   |
| 10        | 57.6    | 15.00 | 10.6    | 2.4     | 21.5    | 6.4         | 27.44   | 24.19   |
| 12        | 61.2    | 19.07 | 10.6    | 2.4     | 24.0    | 9.8         | 29.79   | 26.54   |
| 14        | 66.0    | 22.25 | 10.6    | 2.4     | 27.8    | 11.7        | 32.10   | 28.89   |
| 16        | 74.7    | 25.43 | 10.6    | 2.4     | 29.4    | 15.1        | 34.59   | 31.29   |
| 18        | 80.5    | 28.60 | 10.6    | 2.4     | 35.3    | 16.4        | 36.94   | 33.69   |
| 20        | 91.6    | 31.78 | 13.8    | 2.9     | 35.3    | 17.3        | 40.14   | 36.89   |
| 22        | 95.6    | 34.95 | 13.8    | 2.9     | 41.4    | 18.2        | 43.24   | 40.00   |
| 24        | 101.2   | 38.13 | 14.7    | 2.9     | 42.4    | 20.0        | 46.44   | 43.29   |

### Box square flange receptacle (RF3112E)



| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | E (max) | F (max) | J (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|
| 8         | 21      | 12.04 | 11.70   | 1.7     | 10.84   | 15.09   | 20.99   | 3.2     |
| 10        | 21      | 15.00 | 11.70   | 1.7     | 13.99   | 18.26   | 24.19   | 3.2     |
| 12        | 21      | 19.07 | 11.70   | 1.7     | 17.37   | 20.62   | 26.54   | 3.2     |
| 14        | 21      | 22.25 | 11.70   | 1.7     | 20.57   | 23.00   | 28.89   | 3.2     |
| 16        | 21      | 25.43 | 11.70   | 1.7     | 23.72   | 24.61   | 31.29   | 3.2     |
| 18        | 21      | 28.60 | 11.70   | 1.7     | 26.69   | 26.97   | 33.69   | 3.2     |
| 20        | 23      | 31.78 | 14.35   | 2.5     | 29.89   | 29.36   | 36.89   | 3.2     |
| 22        | 23      | 34.95 | 14.35   | 2.5     | 33.04   | 31.75   | 39.99   | 3.2     |
| 24        | 23      | 38.13 | 15.20   | 2.5     | 36.24   | 34.92   | 43.15   | 3.8     |

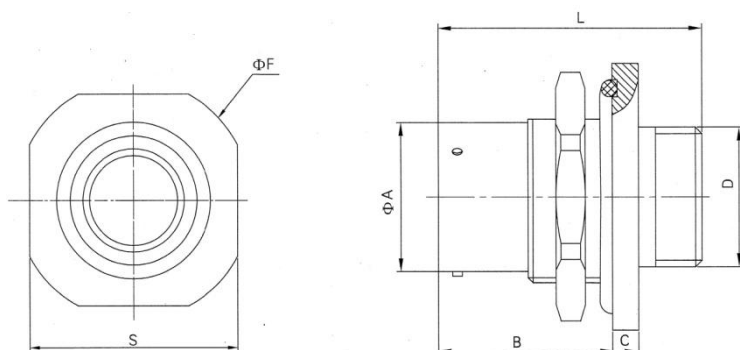
### Box square flange receptacle (RF3112B)





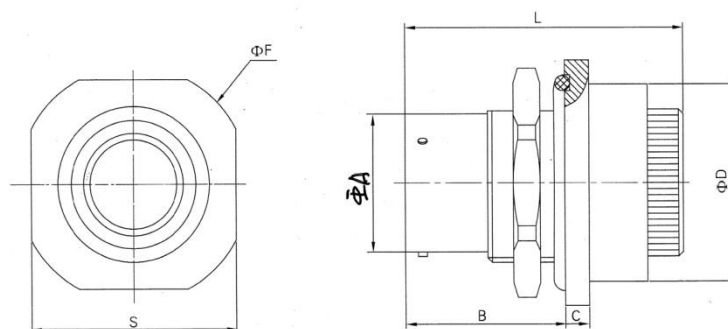
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | T (max) | E (max) | F (max) | J   |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|-----|
| 8         | 21      | 12.04 | 11.70   | 1.7     | 10.84   | 9.46    | 15.09   | 20.99   | 3.2 |
| 10        | 21      | 15.00 | 11.70   | 1.7     | 13.99   | 9.46    | 18.26   | 24.19   | 3.2 |
| 12        | 21      | 19.07 | 11.70   | 1.7     | 17.37   | 9.46    | 20.62   | 26.54   | 3.2 |
| 14        | 21      | 22.25 | 11.70   | 1.7     | 20.57   | 9.46    | 23.00   | 28.89   | 3.2 |
| 16        | 21      | 25.43 | 11.70   | 1.7     | 23.72   | 9.46    | 24.61   | 31.29   | 3.2 |
| 18        | 21      | 28.60 | 11.70   | 1.7     | 26.69   | 9.46    | 26.97   | 33.69   | 3.2 |
| 20        | 23      | 31.78 | 14.35   | 2.5     | 29.89   | 7.76    | 29.36   | 36.89   | 3.2 |
| 22        | 23      | 34.95 | 14.35   | 2.5     | 33.04   | 7.76    | 31.75   | 39.99   | 3.2 |
| 24        | 23      | 38.13 | 15.20   | 2.5     | 36.24   | 7.76    | 34.92   | 43.15   | 3.8 |

### Jam nut receptacle (RF3114R)



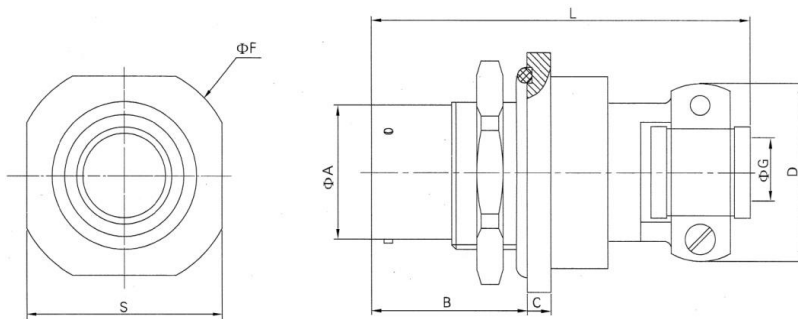
| Shell No. | L (max) | A     | B (max) | C (max) | F (max) | S (max) | Thread D UNEF-2A |
|-----------|---------|-------|---------|---------|---------|---------|------------------|
| 8         | 27.5    | 12.04 | 17.90   | 3.0     | 26.94   | 23.80   | 0.4375-28        |
| 10        | 27.5    | 15.00 | 17.90   | 3.0     | 30.40   | 27.00   | 0.5625-24        |
| 12        | 27.5    | 19.07 | 17.90   | 3.0     | 34.94   | 31.74   | 0.6875-24        |
| 14        | 27.5    | 22.25 | 17.90   | 3.0     | 38.40   | 34.94   | 0.8125-20        |
| 16        | 27.5    | 25.43 | 17.90   | 3.0     | 41.50   | 38.10   | 0.9375-20        |
| 18        | 27.5    | 28.60 | 17.90   | 3.0     | 44.44   | 41.34   | 1.0625-18        |
| 20        | 32.8    | 31.78 | 22.40   | 3.8     | 49.40   | 46.04   | 1.1875-18        |
| 22        | 32.8    | 34.95 | 22.40   | 3.8     | 52.24   | 49.24   | 1.3125-18        |
| 24        | 32.8    | 38.13 | 23.30   | 3.8     | 55.54   | 52.74   | 1.4375-18        |

### Jam nut receptacle (RF3114E)



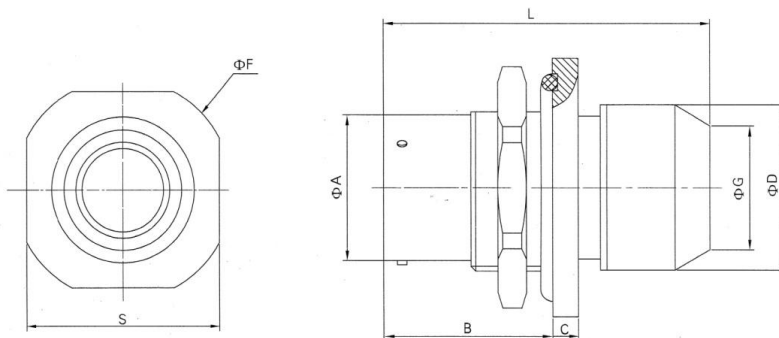
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | F (max) | S (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|
| 8         | 34.1    | 12.04 | 17.90   | 3.0     | 18.0    | 26.94   | 23.80   |
| 10        | 34.1    | 15.00 | 17.90   | 3.0     | 21.7    | 30.40   | 27.00   |
| 12        | 34.1    | 19.07 | 17.90   | 3.0     | 24.5    | 34.94   | 31.74   |
| 14        | 34.1    | 22.25 | 17.90   | 3.0     | 27.5    | 38.40   | 34.94   |
| 16        | 34.1    | 25.43 | 17.90   | 3.0     | 31.2    | 41.50   | 38.10   |
| 18        | 34.1    | 28.60 | 17.90   | 3.0     | 34.4    | 44.44   | 41.34   |
| 20        | 39.3    | 31.78 | 22.45   | 3.8     | 38.0    | 49.40   | 46.04   |
| 22        | 39.3    | 34.95 | 22.45   | 3.8     | 41.5    | 52.24   | 49.24   |
| 24        | 39.3    | 38.13 | 23.30   | 3.8     | 44.7    | 55.54   | 52.74   |

### Jam nut receptacle (RF3114F)



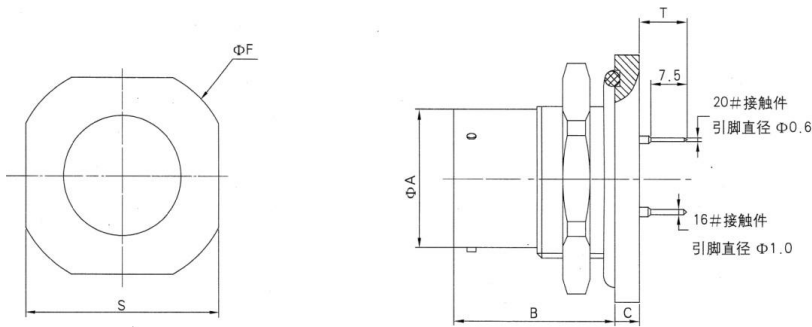
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | G (max) | F (max) | S (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|
| 8         | 49.31   | 12.04 | 17.90   | 3.0     | 19.9    | 3.5     | 26.94   | 23.80   |
| 10        | 49.31   | 15.00 | 17.90   | 3.0     | 21.5    | 5.0     | 30.40   | 27.00   |
| 12        | 49.17   | 19.07 | 17.90   | 3.0     | 24.0    | 8.2     | 34.94   | 31.74   |
| 14        | 49.17   | 22.25 | 17.90   | 3.0     | 27.8    | 10.0    | 38.40   | 34.94   |
| 16        | 52.34   | 25.43 | 17.90   | 3.0     | 29.4    | 13.0    | 41.50   | 38.10   |
| 18        | 53.22   | 28.60 | 17.90   | 3.0     | 35.3    | 16.0    | 44.44   | 41.34   |
| 20        | 58.10   | 31.78 | 22.45   | 3.8     | 35.3    | 16.0    | 49.40   | 46.04   |
| 22        | 58.10   | 34.95 | 22.45   | 3.8     | 41.4    | 19.3    | 52.24   | 49.24   |
| 24        | 58.10   | 38.13 | 23.30   | 3.8     | 42.4    | 20.6    | 55.54   | 52.74   |

### Jam nut receptacle (RF3114P)



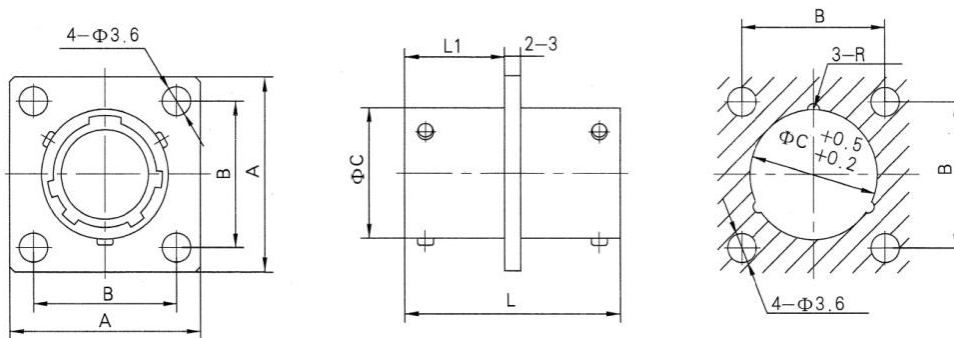
| Shell No. | L (max) | A     | B (max) | C (max) | D (max) | G (max) | F (max) | S (max) |
|-----------|---------|-------|---------|---------|---------|---------|---------|---------|
| 8         | 34.30   | 12.04 | 17.90   | 3.0     | 15.34   | 10.46   | 26.94   | 23.80   |
| 10        | 34.30   | 15.00 | 17.90   | 3.0     | 17.70   | 13.55   | 30.40   | 27.00   |
| 12        | 34.30   | 19.07 | 17.90   | 3.0     | 21.69   | 13.96   | 34.94   | 31.74   |
| 14        | 34.30   | 22.25 | 17.90   | 3.0     | 23.90   | 17.42   | 38.40   | 34.94   |
| 16        | 34.30   | 25.43 | 17.90   | 3.0     | 27.00   | 20.56   | 41.50   | 38.10   |
| 18        | 34.30   | 28.60 | 17.90   | 3.0     | 30.50   | 23.66   | 44.44   | 41.34   |
| 20        | 42.25   | 31.78 | 22.45   | 3.8     | 33.65   | 23.92   | 49.40   | 46.04   |
| 22        | 42.25   | 34.95 | 22.45   | 3.8     | 37.10   | 25.52   | 52.24   | 49.24   |
| 24        | 43.26   | 38.13 | 23.30   | 3.8     | 40.00   | 32.00   | 55.54   | 52.74   |

### Jam nut receptacle (RF3114B)



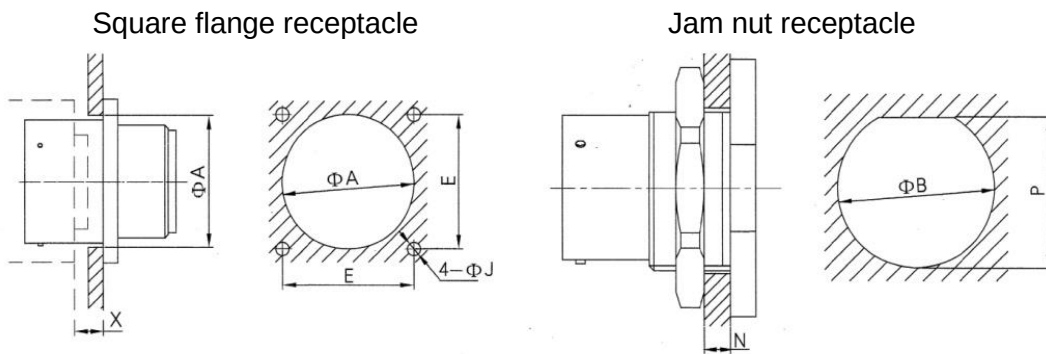
| Shell No. | A     | B (max) | C (max) | T (max) | F (max) | S (max) |
|-----------|-------|---------|---------|---------|---------|---------|
| 8         | 12.04 | 17.90   | 3.0     | 9.46    | 26.94   | 23.8    |
| 10        | 15.00 | 17.90   | 3.0     | 9.46    | 30.40   | 27.00   |
| 12        | 19.07 | 17.90   | 3.0     | 9.46    | 34.94   | 31.74   |
| 14        | 22.25 | 17.90   | 3.0     | 9.46    | 38.40   | 34.94   |
| 16        | 25.43 | 17.90   | 3.0     | 9.46    | 41.50   | 38.10   |
| 18        | 28.60 | 17.90   | 3.0     | 9.46    | 44.44   | 41.34   |
| 20        | 31.78 | 22.45   | 3.8     | 8.49    | 49.40   | 46.04   |
| 22        | 34.95 | 22.45   | 3.8     | 8.49    | 52.24   | 49.24   |
| 24        | 38.13 | 23.30   | 3.8     | 7.79    | 55.54   | 52.74   |

### Thru bulkhead receptacle (RF3117P)



| Shell No. | A     | B     | $\Phi$ C | L    | L1   | R   |
|-----------|-------|-------|----------|------|------|-----|
| 8         | 20.60 | 15.09 | 12.00    | 33.5 | 14.5 | 1.5 |
| 10        | 23.80 | 18.30 | 15.00    | 33.5 | 14.5 | 1.5 |
| 12        | 26.20 | 20.60 | 19.10    | 33.5 | 14.5 | 1.5 |
| 14        | 30.00 | 23.00 | 22.20    | 33.5 | 14.5 | 1.5 |
| 16        | 31.00 | 24.60 | 25.40    | 33.5 | 14.5 | 1.5 |
| 18        | 33.30 | 27.00 | 28.60    | 33.5 | 14.5 | 1.5 |
| 20        | 36.50 | 29.36 | 31.78    | 36.0 | 16.5 | 1.5 |
| 22        | 40.00 | 32.00 | 34.95    | 36.0 | 16.5 | 1.5 |
| 24        | 42.90 | 34.93 | 38.10    | 36.0 | 16.5 | 2.0 |

Suggestion size for panel



| Shell No. | A     | E     | J   | X (min) | B     | P     | N   |     |
|-----------|-------|-------|-----|---------|-------|-------|-----|-----|
|           |       |       |     |         |       |       | Min | Max |
| 8         | 15.55 | 15.09 | 3.2 | 2.9     | 14.60 | 13.75 | 1.8 | 5.7 |
| 10        | 18.80 | 18.26 | 3.2 | 2.9     | 17.75 | 16.95 | 1.8 | 5.7 |
| 12        | 22.15 | 20.62 | 3.2 | 2.9     | 22.50 | 21.50 | 1.8 | 5.7 |
| 14        | 25.30 | 23.00 | 3.2 | 2.9     | 25.70 | 24.20 | 1.8 | 5.7 |
| 16        | 28.45 | 24.61 | 3.2 | 2.9     | 28.85 | 27.35 | 1.8 | 5.7 |
| 18        | 31.65 | 26.97 | 3.2 | 2.9     | 32.05 | 30.55 | 1.8 | 5.7 |
| 20        | 34.80 | 29.36 | 3.2 | 5.5     | 35.20 | 33.70 | 1.8 | 8.6 |
| 22        | 38.00 | 31.75 | 3.2 | 5.5     | 38.40 | 36.90 | 1.8 | 9.6 |
| 24        | 41.20 | 34.92 | 3.8 | 5.5     | 41.55 | 40.05 | 1.8 | 9.5 |