

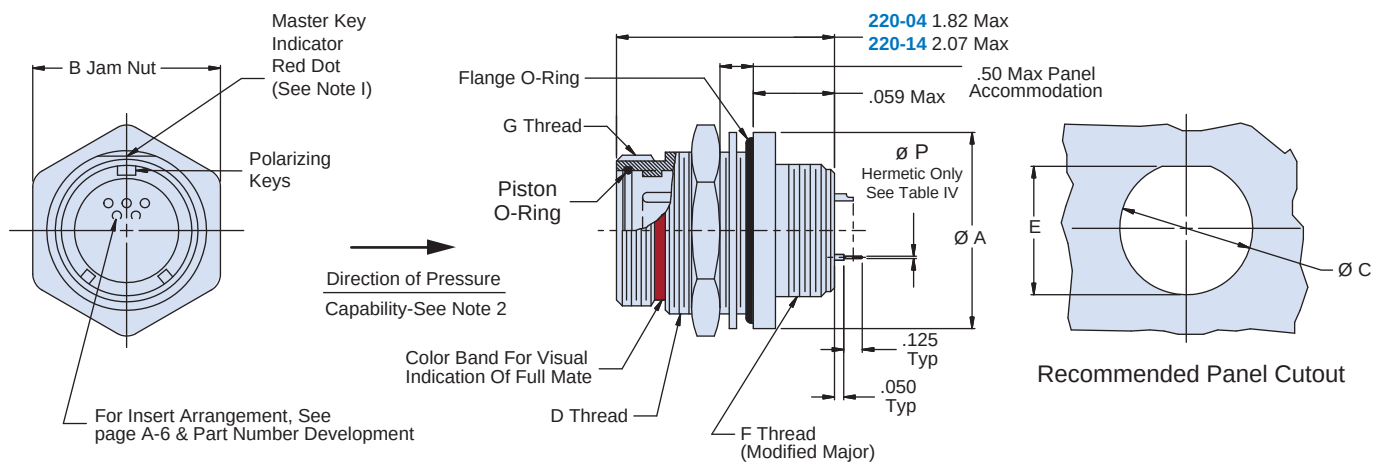
## 220-04 and 220-14 High-Pressure Environmental/Hermetic Jam Nut Receptacle with Accessory Threads, Rear Mount

### SERIES 22 RECEPTACLE IN STANDARD OR SCOOP-PROOF SHELL WITH PIN OR SOCKET CONTACTS



| How To Order                      |                                                                                                                                 |   |       |   |   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---|-------|---|---|
| Sample Part Number                | 220-04                                                                                                                          | E | 24-61 | P | N |
| Series and Shell Style            | 220-04 - Standard<br>220-14 - Scoop-Proof                                                                                       |   |       |   |   |
| Class                             | H = Hermetic E = Environmental                                                                                                  |   |       |   |   |
| Shell Size-<br>Insert Arrangement | See page A-6                                                                                                                    |   |       |   |   |
| Contact Style                     | P = Pins S = Sockets<br>C = Pin, P.C. Term (Hermetic Only, See Table VI)<br>D = Socket, P.C. Term (Hermetic Only, See Table VI) |   |       |   |   |
| Polarization                      | N, 1, 2, 3, 4 See page A-6                                                                                                      |   |       |   |   |

**Prior to use, lubricate O-rings with high grade silicone lubricant (Moly-kote M55 or equivalent).**



# 220-04 and 220-14 High-Pressure Environmental/Hermetic Jam Nut Receptacle with Accessory Threads, Rear Mount



Table II: Dimensions

| A Dia       | B Flats      | C Dia<br>$\pm .005 \pm (0.1)$ | D Thread<br>Class 2A |
|-------------|--------------|-------------------------------|----------------------|
| 1.25 (31.8) | 1.125 (28.6) | .885 (22.5)                   | 7/8 - 20 UNEF        |
| 1.38 (35.1) | 1.250 (31.8) | 1.010 (25.7)                  | 1 - 20 UNEF          |
| 1.50 (38.1) | 1.500 (38.1) | 1.135 (28.8)                  | 1 1/8 - 16 UN        |
| 1.63 (41.4) | 1.625 (41.3) | 1.260 (32.0)                  | 1 1/4 - 16 UN        |
| 1.75 (44.5) | 1.750 (44.5) | 1.385 (35.2)                  | 1 3/8 - 16 UN        |
| 1.88 (47.8) | 1.875 (47.6) | 1.510 (38.4)                  | 1 1/2 - 16 UN        |
| 2.00 (50.8) | 2.000 (50.8) | 1.635 (41.5)                  | 1 5/8 - 16 UN        |
| 2.12 (53.8) | 2.125 (54.0) | 1.760 (44.7)                  | 1 3/4 - 16 UN        |

Table II: Dimensions (continued)

| Shell Size | E<br>$\pm .005 \pm (0.1)$ | F Thread<br>Class 2A | G Thread<br>Class 2A |
|------------|---------------------------|----------------------|----------------------|
| 10         | .835 (21.2)               | 5/8 - 24 UNEF        | .750 - .1P - .1L     |
| 12         | .960 (24.4)               | 3/4 - 20 UNEF        | .875 - .1P - .1L     |
| 14         | 1.085 (27.6)              | 7/8 - 20 UNEF        | 1.000 - .1P - .1L    |
| 16         | 1.210 (30.7)              | 1 - 20 UNEF          | 1.125 - .1P - .1L    |
| 18         | 1.335 (33.9)              | 1 1/8 - 16 UN        | 1.250 - .1P - .1L    |
| 20         | 1.460 (37.1)              | 1 1/4 - 16 U N       | 1.375 - .1P - .1L    |
| 22         | 1.585 (40.3)              | 1 3/8 - 16 UN        | 1.500 - .1P - .1L    |
| 24         | 1.710 (43.4)              | 1 1/2 - 16 UN        | 1.625 - .1P - .1L    |

Table IV

| Contact Size | Ø P              |
|--------------|------------------|
| 22D          | 0.021<br>0.018   |
| 20           | 0.024<br>0.028   |
| 16           | 0.0635<br>0.0615 |
| 12           | 0.095<br>0.093   |

Table V: Replacement O-Ring  
Part Numbers \*

| Shell Size | Piston O-Ring | Flange O-Ring |
|------------|---------------|---------------|
| 10         | 2-014         | 2-021         |
| 12         | 2-016         | 2-023         |
| 14         | 2-018         | 2-025         |
| 16         | 2-020         | 2-027         |
| 18         | 2-022         | 2-029         |
| 20         | 2-024         | 2-030         |
| 22         | 2-026         | 2-031         |
| 24         | 2-028         | 2-032         |

\* Parker O-ring part numbers. Compound N674-70 or equivalent.

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