



# 180-122 (08) GHD • Glenair High Density Fiber Optic Connection System D38999 Style Jam Nut Mount Receptacle Connector



## GHD Jam nut mount receptacle connector

### How To Order

#### Product Series

**180 - 122**

#### Material and Finish (Table I, page C-5)

**NF**

#### Shell Size (Table II, page C-5)

**08 - 15 - 16**

#### Alternate Key Position per MIL-DTL-38999

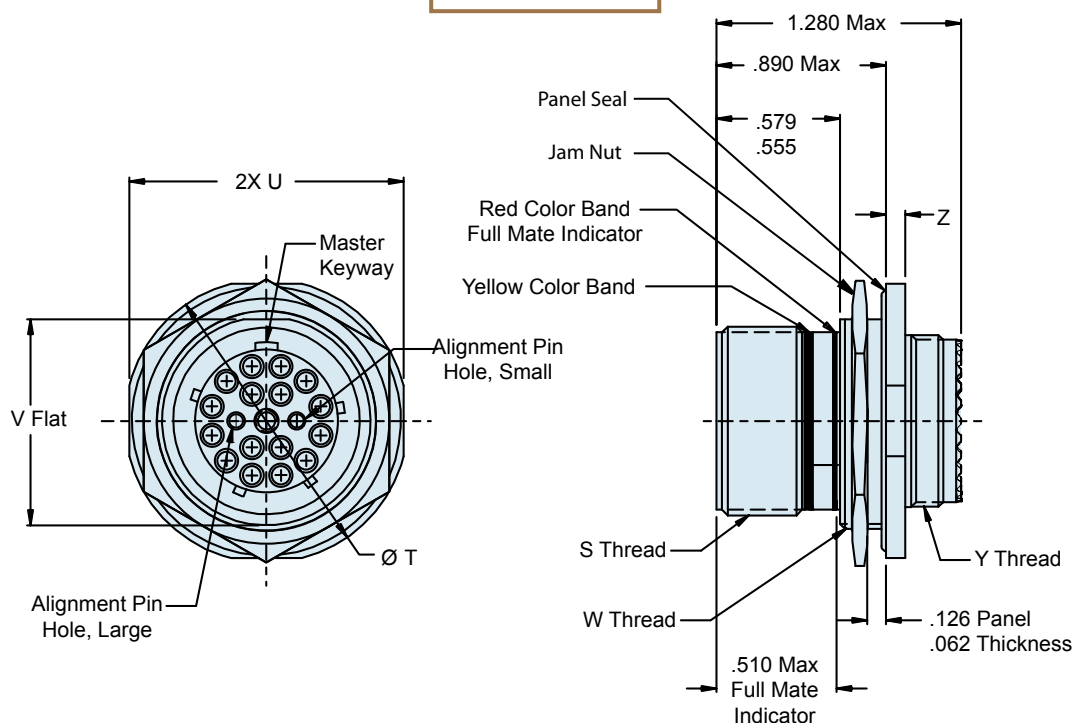
**A, B, C, D, or E**  
**N** = Normal

**N**

#### Basic No.

**08 = Jam Nut Receptacle**  
(Available only in Aluminum or Stainless Steel)

#### Insert Arrangement (Table II, Page C-5)



### 08 - JAM NUT MOUNT RECEPTACLE

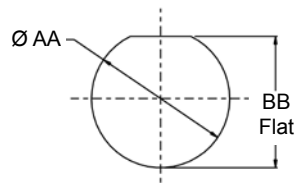
**180-122 (08)**  
**GHD • Glenair High Density**  
**Fiber Optic Connection System**  
**D38999 Style Jam Nut Mount Receptacle Connector**



**Table II: Shell Size**

| Shell Size Code | Shell Size | S Thread             | Ø T                          | U                            | V                            | W Thread                | Y Thread               | Z                        | Ø AA Min                     | BB Flat                      |
|-----------------|------------|----------------------|------------------------------|------------------------------|------------------------------|-------------------------|------------------------|--------------------------|------------------------------|------------------------------|
| B               | 11         | .7500-.1P-.3L-TS-2A  | 1.386 (35.2)<br>1.362 (34.6) | 1.268 (32.2)<br>1.236 (31.4) | .755 (19.2)<br>.745 (18.9)   | M20 x 1.0-6g<br>0.100R  | M15 x 1.0-6g<br>0.100R | .121 (3.1)<br>.083 (2.1) | .835 (21.2)<br>.825 (20.9)   | .771 (19.6)<br>.761 (19.3)   |
| C               | 13         | .8750-.1P-.3L-TS-2A  | 1.512 (38.4)<br>1.488 (37.8) | 1.390 (35.3)<br>1.358 (34.5) | .942 (23.9)<br>.932 (23.7)   | M25 x 1.0-6g<br>0.100R  | M18 x 1.0-6g<br>0.100R | .121 (3.1)<br>.083 (2.1) | 1.020 (25.9)<br>1.010 (25.7) | .955 (24.3)<br>.945 (24.0)   |
| D               | 15         | 1.0000-.1P-.3L-TS-2A | 1.638 (41.6)<br>1.614 (41.0) | 1.516 (38.5)<br>1.484 (37.7) | 1.066 (27.1)<br>1.056 (26.8) | M28 x 1.0-6g<br>0.100R  | M22 x 1.0-6g<br>0.100R | .121 (3.1)<br>.083 (2.1) | 1.145 (29.1)<br>1.135 (28.8) | 1.085 (27.6)<br>1.075 (27.3) |
| E               | 17         | 1.1875-.1P-.3L-TS-2A | 1.764 (44.8)<br>1.740 (44.2) | 1.642 (41.7)<br>1.610 (40.9) | 1.191 (30.3)<br>1.181 (30.0) | M32 x 1.0-6g<br>0.100R* | M25 x 1.0-6g<br>0.100R | .121 (3.1)<br>.083 (2.1) | 1.270 (32.3)<br>1.260 (32.0) | 1.210 (30.7)<br>1.200 (30.5) |
| F               | 19         | 1.2500-.1P-.3L-TS-2A | 1.949 (49.5)<br>1.925 (48.9) | 1.827 (46.4)<br>1.795 (45.6) | 1.316 (33.4)<br>1.306 (33.2) | M35 x 1.0-6g<br>0.100R  | M28 x 1.0-6g<br>0.100R | .154 (3.9)<br>.114 (2.9) | 1.395 (35.4)<br>1.385 (35.2) | 1.335 (33.9)<br>1.325 (33.7) |
| G               | 21         | 1.3750-.1P-.3L-TS-2A | 2.075 (52.7)<br>2.051 (52.1) | 1.953 (49.6)<br>1.921 (48.8) | 1.441 (36.6)<br>1.431 (36.3) | M38 x 1.0-6g<br>0.100R  | M31 x 1.0-6g<br>0.100R | .154 (3.9)<br>.114 (2.9) | 1.520 (38.6)<br>1.510 (38.4) | 1.460 (37.1)<br>1.450 (36.8) |
| H               | 23         | 1.5000-.1P-.3L-TS-2A | 2.201 (55.9)<br>2.177 (55.3) | 2.079 (52.8)<br>2.047 (52.0) | 1.566 (39.8)<br>1.556 (39.5) | M41 x 1.0-6g<br>0.100R  | M34 x 1.0-6g<br>0.100R | .154 (3.9)<br>.114 (2.9) | 1.645 (41.8)<br>1.635 (41.5) | 1.585 (40.3)<br>1.575 (40.0) |
| J               | 25         | 1.6250-.1P-.3L-TS-2A | 2.323 (59.0)<br>2.299 (58.4) | 2.205 (56.0)<br>2.173 (55.2) | 1.691 (43.0)<br>1.681 (42.7) | M44 x 1.0-6g<br>0.100R  | M37 x 1.0-6g<br>0.100R | .154 (3.9)<br>.114 (2.9) | 1.770 (45.0)<br>1.760 (44.7) | 1.710 (43.4)<br>1.700 (43.2) |

\* Modified major diameter 31.80 - 31.95 (1.252 - 1.257).



RECOMMENDED PANEL CUT-OUT  
JAM NUT MOUNT RECEPTACLE  
(See Table II)

### Material and Finish

Shell, Jam nut: See Table I, Page C-5.

Insert: High grade rigid dielectric, or Al Alloy/Anodize - MFR's option

Jam Nut (for composite): Al Alloy and plated same as connector shell.

Panel Seal: Fluorosilicone

### Notes

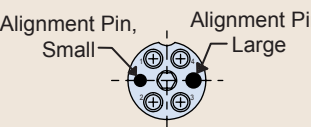
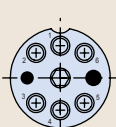
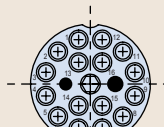
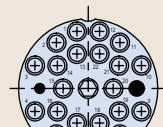
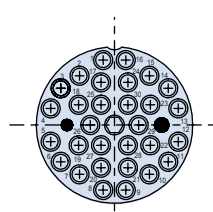
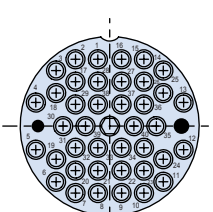
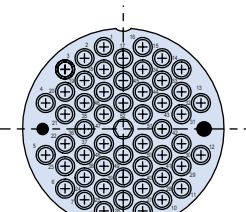
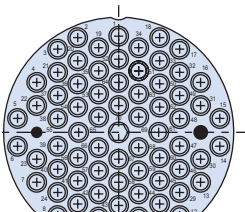
Jam Nut for composite Jam Nut Mount Receptacle is Aluminum and plated same as connector shell.

180-122  
**GHD • Glenair High Density  
 Fiber Optic Connection System**  
 Materials and Finishes • Insert Arrangements



***GHD materials and finishes, and insert arrangements***

| Table I: Material and Finish |                 |                                       |
|------------------------------|-----------------|---------------------------------------|
| Code                         | Material        | Finish Description                    |
| M                            | Aluminum Alloy  | Electroless Nickel                    |
| MT                           |                 | Nickel - PTFE, Grey                   |
| NF                           |                 | Cadmium, Olive Drab                   |
| ZNU                          |                 | Zinc-Nickel, Black Zinc-Nickel, Black |
| ZR                           |                 | Zinc-Nickel, Black (RoHS)             |
| XM                           | Composite       | Electroless Nickel                    |
| XMT                          |                 | Nickel - PTFE, Grey                   |
| XW                           |                 | Cadmium, Olive Drab                   |
| XZN                          |                 | Zinc-Nickel, Black                    |
| ZL                           | Stainless Steel | Electro-Deposited Nickel              |
| ZI                           |                 | Passivate                             |

| Table II: Insert arrangements                                                                                                                                         |                                                                                                                        |                                                                                                                         |                                                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--|
| <br>Alignment Pin, Small<br>Alignment Pin, Large<br>Shell Size 11<br>Arrangement 4 | <br>Shell Size 13<br>Arrangement 6  | <br>Shell Size 15<br>Arrangement 16 | <br>-Shell Size 17<br>Arrangement 22 |  |
| <br>Shell Size 19<br>Arrangement 30                                                | <br>Shell Size 21<br>Arrangement 40 | <br>Shell Size 23<br>Arrangement 52 | <br>Shell Size 25<br>Arrangement 70  |  |
| Plug face marking with removable alignment sleeve retainer (ASR) shown. Receptacle face - opposite.<br>ASR includes two guide pins and a threaded center jackscrew.   |                                                                                                                        |                                                                                                                         |                                                                                                                           |  |