180-122 (08) Jam Nut Mount Receptacle Connector

The Series 180-122 Glenair High Density (GHD) fiber optic jam nut mount receptacle connector is designed for applications that require reduced size and weight as well as outstanding optical and environmental performance. The GHD fiber optic system leverages D38999 mechanical and environmental design elements including mating interface, accessory attachment interface, ratcheting coupling nut, polarization keyways, O-ring seals, panel cutouts, and more. The high-density front-release termini insert, however, has been completely re-engineered as an innovative Size 18 genderless front-release terminus design that provides nearly double the density of standard M28876, D38999, and ARINC 801 fiber optic connector series. Keyed GHD system connectors and termini are available with APC Angle Polish to reduce unwanted backreflection.

HOW TO ORDER

Sample Part Number	180-122	NF	08	-15	-16	N
Basic Number	GHD Jam nut mount receptacle connector					
Material/Finish	See Material and Finish table					
Connector Style	**08** = Jam Nut Receptacle					
Shell Size	See Insert Arrangements table					
Insert Arrangement	See Insert Arrangements table					
Alternate Key Position	**A**, **B**, **C**, **D**, **E**; **N** = Normal (Per MIL-DTL-38999)					

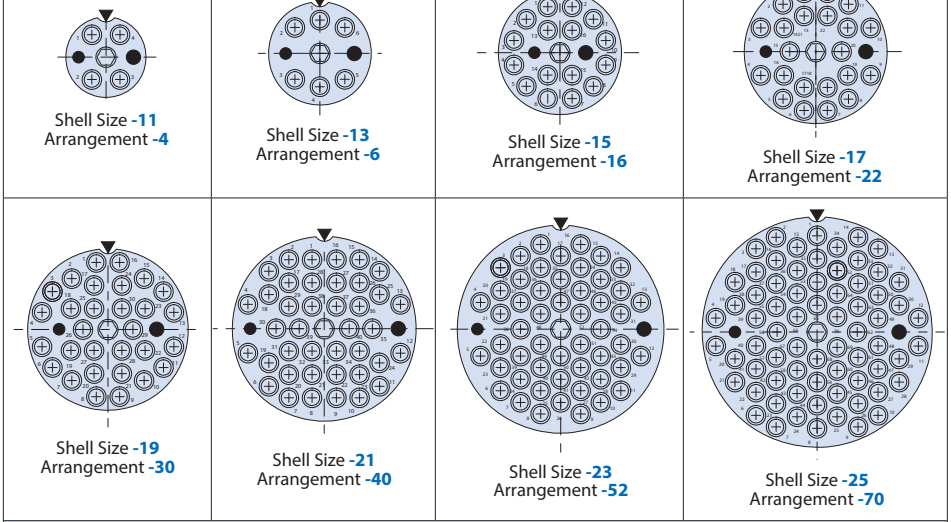
MATERIAL AND FINISH

Code	Material	Finish Description
M	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab
TZ		Tin-Zinc, Bronze-Gold
ZNU		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
Z1		Passivate
AB	Marine Bronze	No Plating

MATERIAL / FINISH NOTES

- Mate composite plugs only with composite receptacles.
- Jam nut (for composite receptacle): Aluminum alloy/ same plating as shell
- Insert: high-grade rigid dielectric or alloy/anodize - mfr's option.
- Seals: fluorosilicone
- Recommended extraction tool: 182-011-18
- Recommended insertion tool for simplex fiber: 182-013
- Recommended insertion tool for buffered fiber: 182-019

INSERT ARRANGEMENTS



Plug face marking with removable alignment sleeve retainer (ASR) shown. Receptacle face - opposite.
ASR includes two guide pins and a threaded center jackscrew.
▼= connector master key ● = small alignment pin ● = large alignment pin

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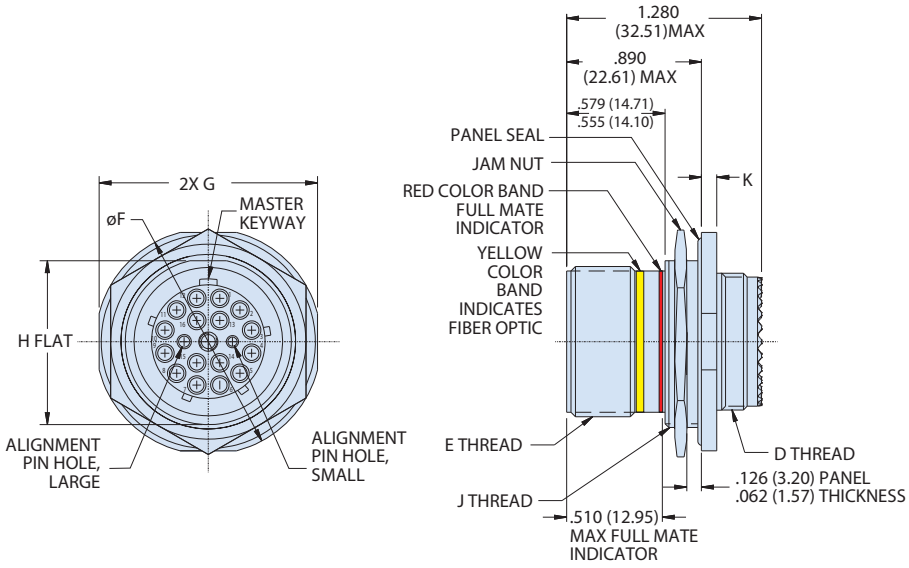
08 - JAM NUT MOUNT RECEPTACLE



Shell Size	Shell Size Code	E Thread	Ø F	G	H	J Thread	D Thread	K
-11	B	.7500-.1P-.3L-TS-2A	1.386 (35.2) 1.362 (34.6)	1.268 (32.2) 1.236 (31.4)	.755 (19.2) .745 (18.9)	M20 x 1.0-6g 0.100R	M15 x 1.0-6g 0.100R	.121 (3.1) .083 (2.1)
-13	C	.8750-.1P-.3L-TS-2A	1.512 (38.4) 1.488 (37.8)	1.390 (35.3) 1.358 (34.5)	.942 (23.9) .932 (23.7)	M25 x 1.0-6g 0.100R	M18 x 1.0-6g 0.100R	
-15	D	1.0000-.1P-.3L-TS-2A	1.638 (41.6) 1.614 (41.0)	1.516 (38.5) 1.484 (37.7)	1.066 (27.1) 1.056 (26.8)	M28 x 1.0-6g 0.100R	M22 x 1.0-6g 0.100R	
-17	E	1.1875-.1P-.3L-TS-2A	1.764 (44.8) 1.740 (44.2)	1.642 (41.7) 1.610 (40.9)	1.191 (30.3) 1.181 (30.0)	M32 x 1.0-6g 0.100R*	M25 x 1.0-6g 0.100R	
-19	F	1.2500-.1P-.3L-TS-2A	1.949 (49.5) 1.925 (48.9)	1.827 (46.4) 1.795 (45.6)	1.316 (33.4) 1.306 (33.2)	M35 x 1.0-6g 0.100R	M28 x 1.0-6g 0.100R	.154 (3.9) .114 (2.9)
-21	G	1.3750-.1P-.3L-TS-2A	2.075 (52.7) 2.051 (52.1)	1.953 (49.6) 1.921 (48.8)	1.441 (36.6) 1.431 (36.3)	M38 x 1.0-6g 0.100R	M31 x 1.0-6g 0.100R	
-23	H	1.5000-.1P-.3L-TS-2A	2.201 (55.9) 2.177 (55.3)	2.079 (52.8) 2.047 (52.0)	1.566 (39.8) 1.556 (39.5)	M41 x 1.0-6g 0.100R	M34 x 1.0-6g 0.100R	
-25	J	1.6250-.1P-.3L-TS-2A	2.323 (59.0) 2.299 (58.4)	2.205 (56.0) 2.173 (55.2)	1.691 (43.0) 1.681 (42.7)	M44 x 1.0-6g 0.100R	M37 x 1.0-6g 0.100R	

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

JAM NUT RECEPTACLE PANEL CUTOUT

Shell Size	Shell Size Code	Ø FF Min		GG Flat	
11	B	0.835 (21.21)	0.825 (20.96)	0.771 (19.58)	0.761 (19.33)
13	C	1.020 (25.91)	1.010 (25.65)	0.955 (24.26)	0.945 (24.00)
15	D	1.145 (29.08)	1.135 (28.83)	1.085 (27.56)	1.075 (27.30)
17	E	1.270 (32.26)	1.260 (32.00)	1.210 (30.73)	1.200 (30.48)
19	F	1.395 (35.43)	1.385 (35.18)	1.335 (33.91)	1.325 (33.65)
21	G	1.520 (38.61)	1.510 (38.35)	1.460 (37.08)	1.450 (36.83)
23	H	1.645 (41.78)	1.635 (41.53)	1.585 (40.26)	1.575 (40.00)
25	J	1.770 (44.96)	1.760 (44.70)	1.710 (43.43)	1.700 (43.18)

RECOMMENDED PANEL CUT-OUT JAM NUT MOUNT RECEPTACLE (SEE JAM NUT RECEPTACLE TABLE)