180-122 (06) Plug Connector with Alignment Sleeve Retainer
180-122 (G6) Plug Connector with ASR and EMI/RFI/Ground Spring



The Series 180-122 Glenair High Density (GHD) fiber optic plug 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 key, panel cutouts, and more. The termini insert, however, has been completely re-engineered with innovative high-density 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. A removable Alignment Sleeve Retainer (ASR) makes for easy termini cleaning and maintenance.

MATERIAL AND FINISH

Code	Material	Finish Description
M*	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte Finish
ME		Electroless Nickel
MT		Nickel-PTFE, Grey
NF		Cadmium, Olive Drab
TZ		Tin-Zinc
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	Unplated

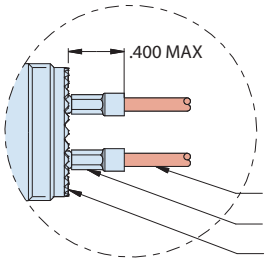
* Inactive for new design. Use "ME" finish.

MATERIAL / FINISH NOTES

- Metal and composite connectors are not designed to be cross mated.
- When selecting a backshell/accessory, ensure adequate clearance around termini with crimp sleeve terminations in order to maintain minimum bend radius and prevent signal loss or damage.
- Coupling nut (for composite plug): high grade rigid dielectric
- Insert: high-grade rigid dielectric or alloy/anodize - mfr's option.
- Alignment sleeve retainer (ASR): al alloy/anodize
- Alignment sleeve: zirconia ceramic
- Seals: fluorosilicone
- Recommended extraction tool: 182-011-18
- Recommended insertion tool for simplex fiber: 182-013
- Recommended insertion tool for buffered fiber: 182-019

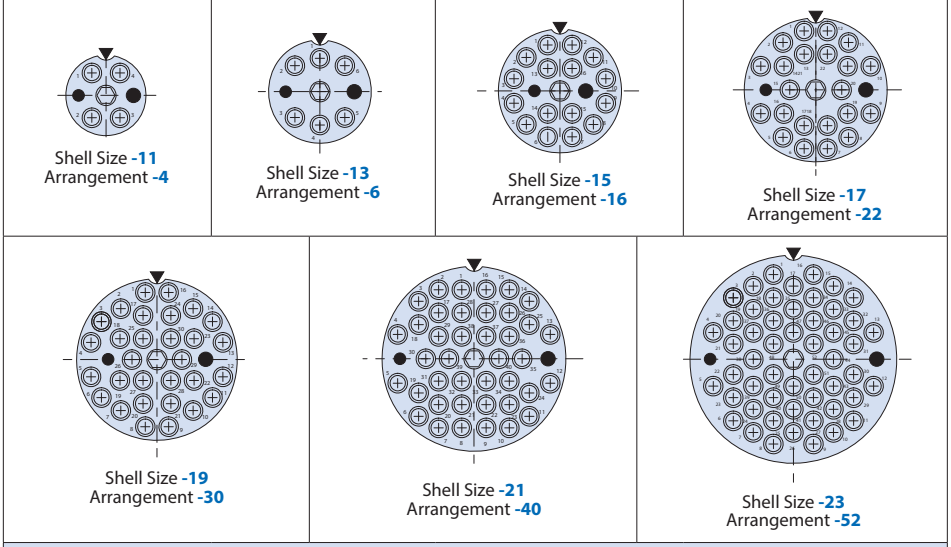
HOW TO ORDER

Sample Part Number	180-122	NF	06	-15	-16	N	C
Basic Number	GHD Plug connector with removable alignment sleeve retainer (ASR)						
Material/Finish	See Material and Finish table						
Connector Style	**06** = Plug with Alignment Sleeve Retainer (ASR) **G6** = Plug Connector with Alignment Sleeve Retainer and EMI/RFI/Ground Spring						
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)						
O-Ring Option	**C** = Conductive O-Ring Included (Omit for Standard O-Ring)						



Max crimp sleeve protrusion: Ensure clearance for crimp sleeve terminations when selecting backshell or accessory.

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

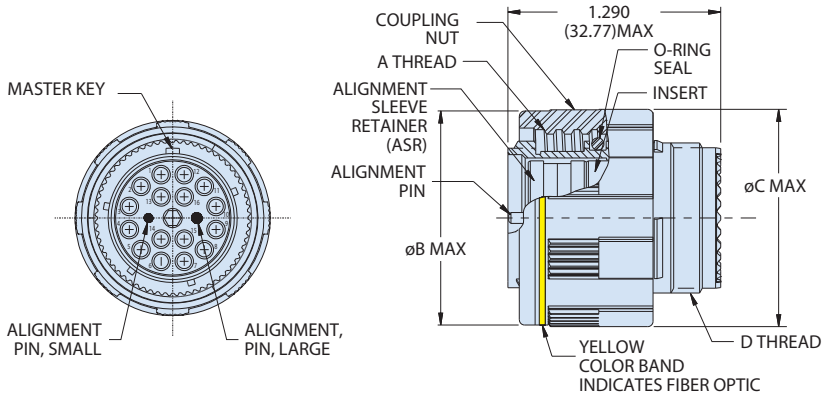
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Dimensions are subject to change without notice.

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180-122 (06) Plug Connector with Alignment Sleeve Retainer
180-122ASR Plug Alignment Sleeve Retainer

06 - PLUG WITH ASR



Shell Size	Shell Size Code	A Thread	Ø B Max	Ø C Max	D Thread
-11	B	.7500-.1P-.3L-TS-2B	0.929 (23.60)	0.984 (24.99)	M15 X 1.0-6g 0.100R
-13	C	.8750-.1P-.3L-TS-2B	1.110 (28.19)	1.157 (29.39)	M18 X 1.0-6g 0.100R
-15	D	1.0000-.1P-.3L-TS-2B	1.232 (31.29)	1.280 (32.51)	M22 X 1.0-6g 0.100R
-17	E	1.1875-.1P-.3L-TS-2B	1.358 (34.49)	1.406 (35.71)	M25 X 1.0-6g 0.100R
-19	F	1.2500-.1P-.3L-TS-2B	1.469 (37.31)	1.516 (38.51)	M28 X 1.0-6g 0.100R
-21	G	1.3750-.1P-.3L-TS-2B	1.594 (40.49)	1.642 (41.71)	M31 X 1.0-6g 0.100R
-23	H	1.5000-.1P-.3L-TS-2B	1.720 (43.69)	1.768 (44.91)	M34 X 1.0-6g 0.100R



Alignment Sleeve Retainer (ASR)

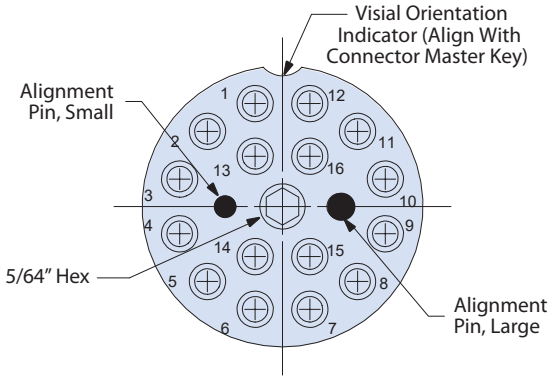
HOW TO ORDER

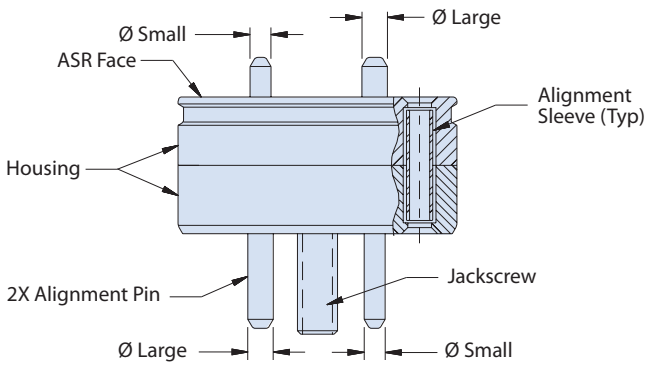
Sample Part Number	180-122ASR	06	-15	-16
Basic Number	GHD alignment sleeve retainer (ASR)			
ASR	Alignment Sleeve Retainer			
Shell Size	See Insert Arrangements table			
Insert Arrangement	See Insert Arrangements table			

RECOMMENDED TORQUE ALIGNMENT SLEEVE RETAINER (ASR)

Shell Size Code	Shell Size	Torque (in-lb)
B	11	3-4
C	13	
D	15	
E	17	
F	19	5-6
G	21	
H	23	

SHELL SIZE 15 ARRANGEMENT 16 SHOWN





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