

180-122 (H7) Square Flange Receptacle with Round Holes

Glenair High Density (GHD)



The Series 180-122 Glenair High Density (GHD) fiber optic square flange receptacle connector with round mounting holes 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, 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 H7 -15 -16 N
Basic Number	GHD Square flange receptacle with standard (round) holes
Material/Finish	See Material and Finish table
Connector Style	H7 = Wall Mount Receptacle with Round Holes (Standard)
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)

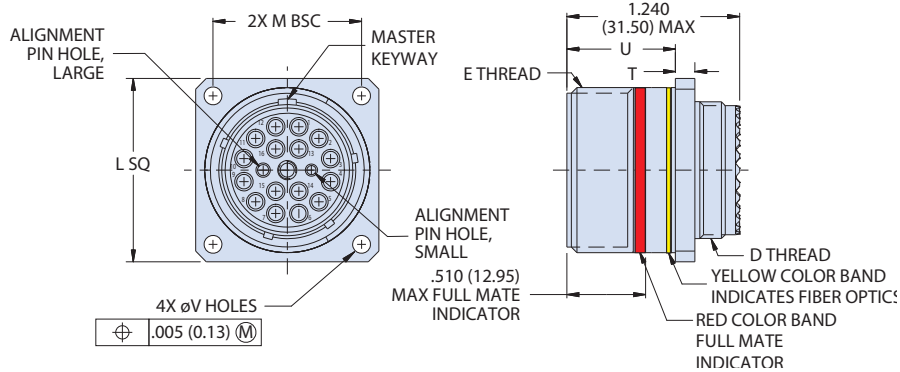
MATERIAL AND FINISH		
Code	Material	Finish Description
M	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab
TZ		Tin-Zinc, Bronze-Gold
ZNU		Zinc-Nickel, Black
ZR		Zinc-Nickel, Black (RoHS)
XM	Composite	Electroless Nickel
XMT		Nickel - PTFE, Grey
XW		Cadmium, Olive Drab
XZN		Zinc-Nickel, Black
ZL	Stainless Steel	Electro-Deposited Nickel
ZI		Passivate
AB	Marine Bronze	No Plating

INSERT ARRANGEMENTS			
<p>Shell Size -11 Arrangement -4</p>	<p>Shell Size -13 Arrangement -6</p>	<p>Shell Size -15 Arrangement -16</p>	<p>Shell Size -17 Arrangement -22</p>
<p>Shell Size -19 Arrangement -30</p>	<p>Shell Size -21 Arrangement -40</p>	<p>Shell Size -23 Arrangement -52</p>	<p>Shell Size -25 Arrangement -70</p>
<p>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</p>			

- MATERIAL / FINISH NOTES**
- Mate composite plugs only with composite receptacles.
 - Insert: high-grade rigid dielectric or alloy/anodize - mfr's option.
 - Recommended extraction tool: 182-011-18
 - Recommended insertion tool for simplex fiber: 182-013
 - Recommended insertion tool for buffered fiber: 182-019

180-122 (H7) Square Flange Receptacle with Round Holes

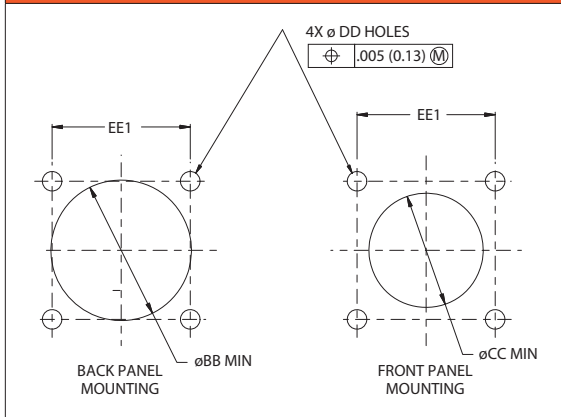
H7 - WALL MOUNT RECEPTACLE WITH ROUND HOLES (STANDARD)



Shell Size	Shell Size Code	E Thread	L SQ	M BSC	T	U	D Thread	Ø V Holes
-11	B	.7500 -1P -3L-TS-2A	1.043 (26.5) 1.019 (25.9)	.812 (20.6)	.144 (3.7) .083 (2.1)	.823 (20.9) .768 (19.5)	M15 X 1.0-6g 0.100R	.136 (3.5) .120 (3.0)
-13	C	.8750 -1P -3L-TS-2A	1.138 (28.9) 1.114 (28.3)	.906 (23.0)			M18 X 1.0-6g 0.100R	
-15	D	1.0000 -1P -3L-TS-2A	1.232 (31.3) 1.208 (30.7)	.969 (24.6)			M22 X 1.0-6g 0.100R	
-17	E	1.1875 -1P -3L-TS-2A	1.323 (33.6) 1.299 (33.0)	1.062 (27.0)			M25 X 1.0-6g 0.100R	
-19	F	1.2500 -1P -3L-TS-2A	1.449 (36.8) 1.425 (36.2)	1.156 (29.4)			M28 X 1.0-6g 0.100R	
-21	G	1.3750 -1P -3L-TS-2A	1.575 (40.0) 1.551 (39.4)	1.250 (31.8)	.171 (4.3) .083 (2.1)	.791 (20.1) .736 (18.7)	M31 X 1.0-6g 0.100R	.162 (4.1) .146 (3.7)
-23	H	1.5000 -1P -3L-TS-2A	1.701 (43.2) 1.677 (42.6)	1.375 (34.9)			M34 X 1.0-6g 0.100R	
-25	J	1.6250 -1P -3L-TS-2A	1.823 (46.3) 1.799 (45.7)	1.500 (38.1)			M37 X 1.0-6g 0.100R	

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RECOMMENDED PANEL CUTOUT WALL MOUNT RECEPTACLES (SEE MOUNTING HOLES TABLE)



MOUNTING HOLES FOR WALL MOUNT RECEPTACLES

Shell Size	Shell Size Code	Ø BB Min	Ø CC Min	Ø DD Holes	EE1 BSC
11	B	.796 (20.2)	.625 (15.9)	.133 (3.4) .123 (3.1)	.812 (20.6)
13	C	.922 (23.4)	.750 (19.1)		.906 (23.0)
15	D	1.047 (26.6)	.906 (23.0)		.969 (24.6)
17	E	1.219 (31.0)	1.016 (25.8)		1.062 (27.0)
19	F	1.297 (32.9)	1.141 (29.0)		1.156 (29.4)
21	G	1.422 (36.1)	1.266 (32.2)	1.250 (31.8)	
23	H	1.547 (39.3)	1.375 (34.9)	.159 (4.0)	1.375 (34.9)
				.149 (3.8)	
25	J	1.672 (42.5)	1.484 (37.7)	.155 (3.9)	1.500 (38.1)
				.145 (3.7)	