

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.

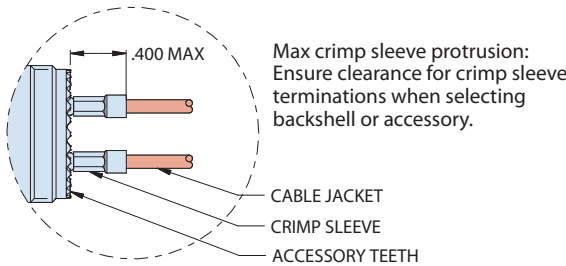
MATERIAL AND FINISH		
Code	Material	Finish Description
M*	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte Finish
ME		Electroless Nickel
MT		Nickel-PTFE, Grey
NF		Cadmium, Olive Drab
TZ		Tin-Zinc
ZNU		Zinc-Nickel, Black
ZR	Composite	Zinc-Nickel, Black(Rohs)
XM		Electroless Nickel
XMT		Nickel-PTFE, Grey
XW		Cadmium, Olive Drab
XZN	Stainless Steel	Zinc-Nickel, Black
ZL		Electro-Deposited Nickel
ZI	Marine Bronze	Passivate
AB		Unplated

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

MATERIAL / FINISH NOTES

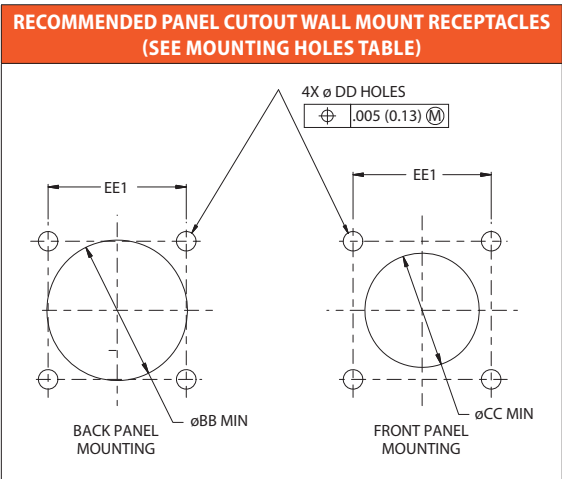
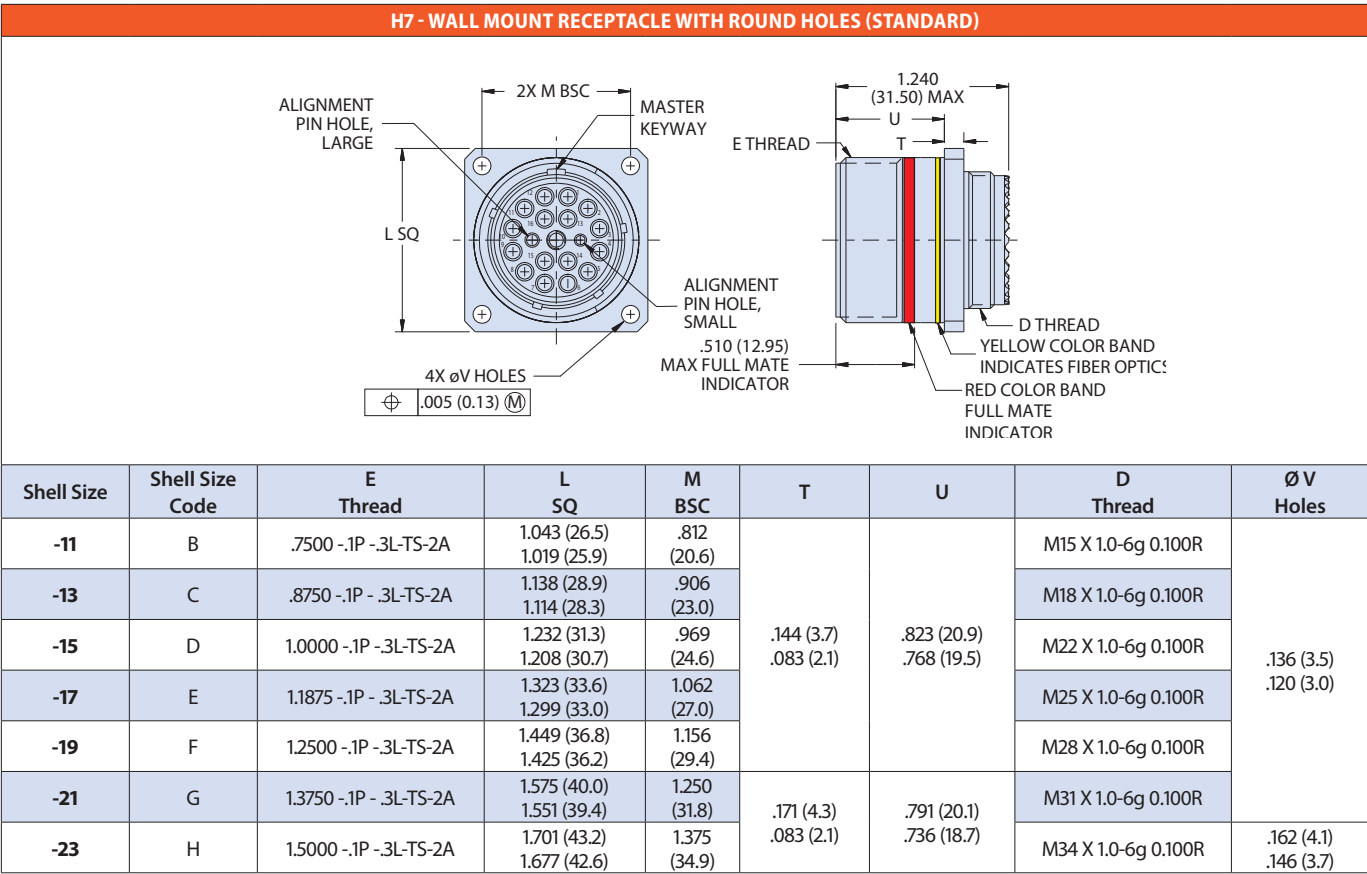
- Metal and composite connectors are not designed to be cross mated.
- When selecting a backshell/ accessory, ensure adequate clearance around termini with crimp sleeve terminations in order to maintain minimum bend radius and prevent signal loss or damage.
- Insert: high-grade rigid dielectric or alloy/anodize - 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

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)						



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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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)	.159 (4.0) .149 (3.8)	1.250 (31.8)
23	H	1.547 (39.3)	1.375 (34.9)		1.375 (34.9)