Micro-D Rectangular
180-063 Pin Receptacle Connector

GFR FRONT-RELEASE SYSTEM

Micro-D form-factor GFR Pin Receptacle. Supports from one to eight GFR pin termini with insertion loss performance comparable to industry-standard MIL-PRF-29504. Precision-machined with integral alignment pins for optimum optical fiber alignment and low dB data loss performance. Available in aluminum and stainless steel. Termini sold separately. Supports single- and dual-O-ring termini.
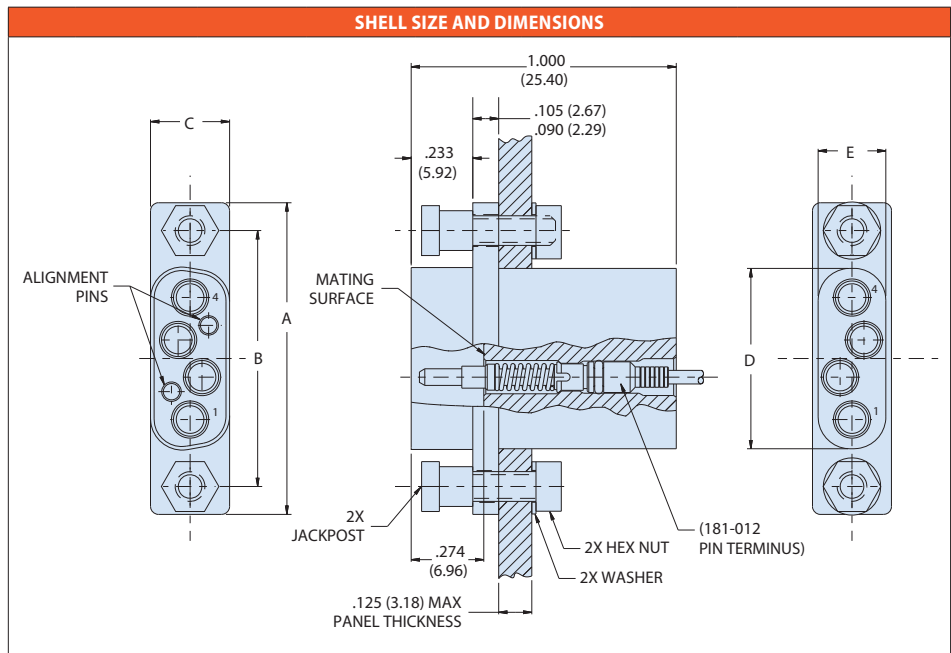
MATERIAL AND FINISH
- Misc. Hardware: Stainless Steel/ Passivate

NOTES
- This connecter is designed to be front panel mount only.
- For backshell drawings, see 189-155 (oval cable entry) and 189-156 (round cable entry).
- Backshells are to be used only with non-panel mount configurations.
- Fiber Optic Pin Termini to be ordered separately (see Glenair drawing 181-012).
- For mating plug connector, see Glenair drawing 180-064.

MATERIAL/FINISH		
Code	**Material**	**Finish**
C	Aluminum Alloy	Anodize, Black
M	Aluminum Alloy	Electroless Nickel
NF	Aluminum Alloy	Cadmium, Olive Drab over Electroless Nickel
ZN	Aluminum Alloy	Zinc-Nickel, Olive Drab, Over Electroless Nickel
Z1	Stainless Steel	Passivate

HOW TO ORDER

Sample Part Number	**180-063**	**-25**	**-4**	**M**	**-JS**
Basic Number	Micro-D GFR fiber optic receptacle connector				
Shell Size Dash No.	See Shell Size table				
Insert Arrangement Dash No.	See Shell Size table				
Material/Finish Code	See Material and Finish table				
Attachment Hardware	**-JS** = Jackscrew hardware **Omit** = Jackpost hardware (standard)				

SHELL SIZE AND DIMENSIONS

Shell Size	Insert Arrangement (Pin Count)	A ±.010 (0.25)	B ±.003 (0.08)	C ±.010 (0.25)	D ±.010 (0.25)	E ±.002 (0.05)	F ±.005 (0.13)	G ±.005 (0.13)
-9	-1	.775 (19.7)	.565 (14.4)	.298 (7.6)	.298 (7.6)	.255 (6.5)	.410 (10.4)	.270 (6.9)
-15	-2	.925 (23.5)	.715 (18.2)	.298 (7.6)	.530 (13.5)	.255 (6.5)	.560 (14.2)	.270 (6.9)
-21	-3	1.075 (27.3)	.865 (22.0)	.298 (7.6)	.680 (17.3)	.255 (6.5)	.710 (18.0)	.270 (6.9)
-25	-4	1.175 (29.8)	.965 (24.5)	.298 (7.6)	.654 (16.6)	.255 (6.5)	.810 (20.6)	.270 (6.9)
-31	-5	1.325 (33.7)	1.115 (28.3)	.298 (7.6)	.930 (23.6)	.255 (6.5)	.960 (24.4)	.270 (6.9)
-100	-8	2.160 (54.9)	1.800 (45.7)	.384 (9.8)	1.425 (36.2)	.322 (8.2)	1.455 (37.0)	.340 (8.6)

RECOMMENDED PANEL CUTOUT