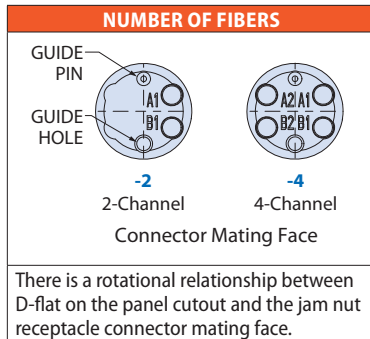


Eye-Beam™ GMA  
185-002-80 and -81 Jam Nut Receptacles

RUGGED FIELD / EXPANDED BEAM

**NOTE:** Eye-Beam GMA connectors are sold as parts of complete assemblies. Individual connectors require specialized termination, assembly, and cleaning processes. Customers are advised to consult with Glenair's fiber optic application engineering team before purchasing.

HOW TO ORDER							
Sample Part Number	<b>185-002</b>	<b>-60</b>	<b>G</b>	<b>-4</b>	<b>B</b>	<b>90</b>	<b>L</b>
Basic number	GMA Fiber Optic connector series						
Connector Type	<b>80</b> = Receptacle, jam nut mount, low profile <b>81</b> = Receptacle, jam nut mount, extended backend						
Material/Finish	<b>ZR</b> = Al Alloy / Zinc-Nickel black						
Number of Channels	<b>2</b> = 2 channels <b>4</b> = 4 channels						
Operating Wavelength	<b>A</b> = Multimode dual wavelength, 850 / 1300 nm. <b>B</b> = Singlemode, 1310 nm. <b>C</b> = Singlemode, 1550 nm. <b>D</b> = Singlemode dual wavelength, 1310 / 1550 nm.						
Cable Diameter	See Cable Diameters Table						
Termini Option	<b>L</b> = Less termini, order termini separately <b>T</b> = Termini included in same quantity as number of channels (order connectors less termini (option <b>L</b> ) for best / fastest availability)						



**OPTICAL PERFORMANCE**

- <1.0dB at 850nm multimode
- <1.5dB at 1310nm singlemode

**CABLE DIAMETERS**

Dash No.	Ø "A" Max Cable Dia. for Receptacle, Low Profile	Ø "B" Max Cable Dia. for Receptacle, Extended Backend
<b>10</b>	.039 (1.0) buffered fiber	
<b>20</b>	.082 (2.1) simplex cable	
<b>30</b>		2X .118 (3.0)
<b>40</b>		4X .118 (3.0)
<b>50</b>		.126 (3.2)
<b>60</b>		.165 (4.2)
<b>70</b>		.197 (5.0)
<b>80</b>		.216 (5.5)
<b>90</b>		.236 (6.0)

**HOW TO ORDER GMA TERMINI**

Sample Part Number	<b>181-101</b>	<b>-1253</b>
Basic number	Terminus for GMA connector	
Dash Number	See Dash No. Table	

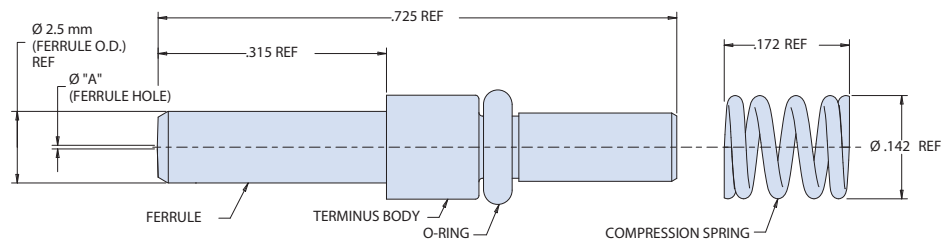
**DASH NO.**

Dash No.	Ø A (microns)	Fiber Size Core/Cladding (microns)
<b>-1253</b>	125.3	9/125 (singlemode)
<b>-1260</b>	126.0	50/125 and 62.5/125 (multimode)

Consult factory for additional sizes

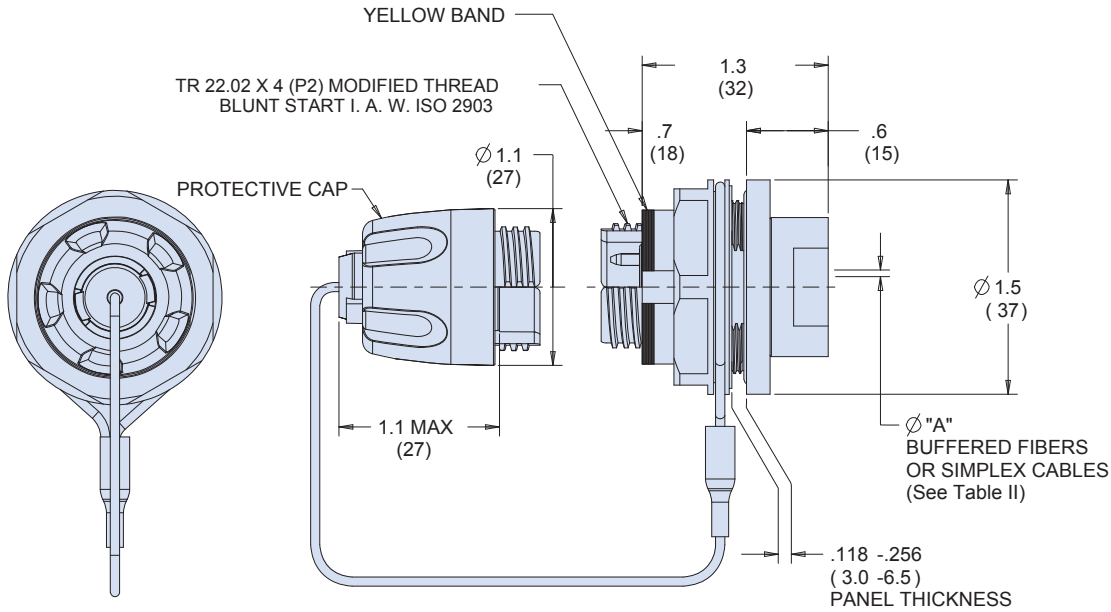
**MATERIALS**

- Ferrule: Zirconia ceramic
- Terminus body: Stainless steel / passivate
- Compression spring: Stainless steel/passivate
- O-ring: Nitrile rubber

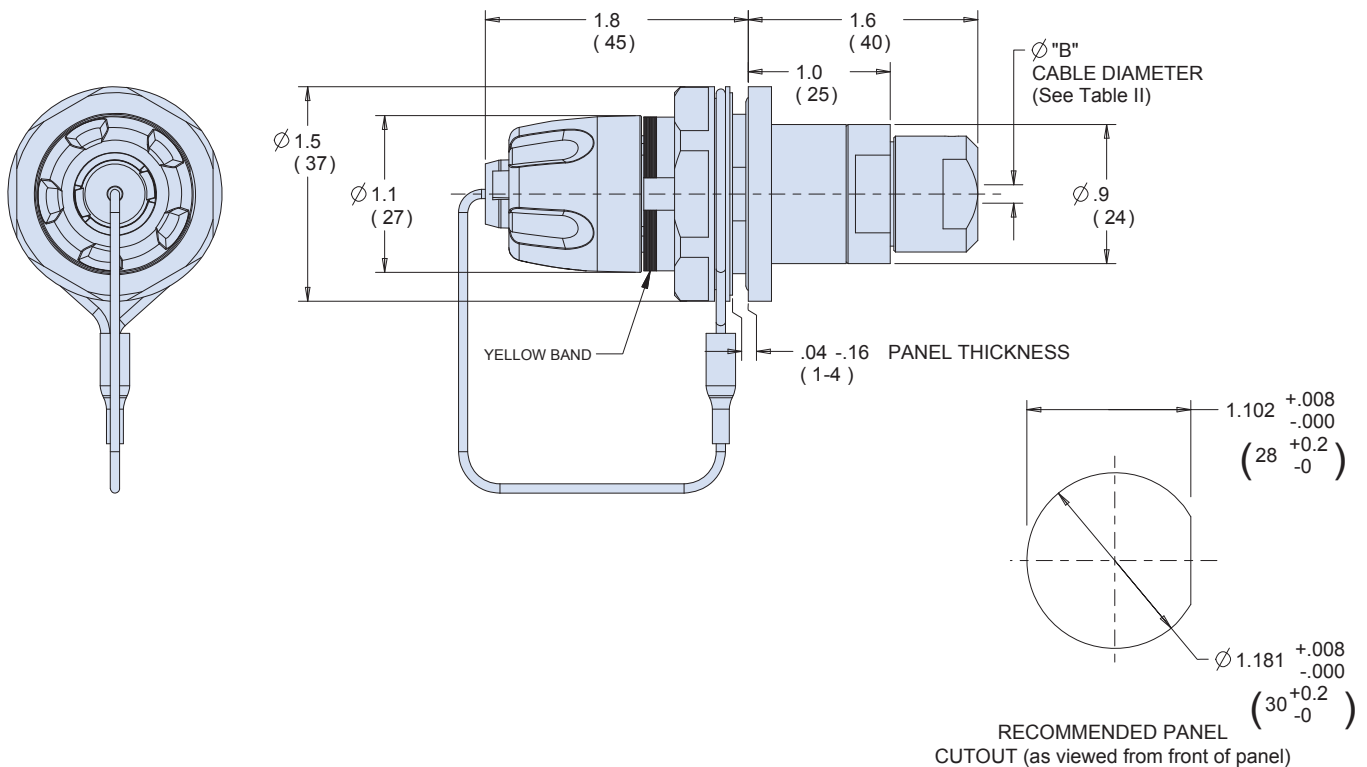


**Eye-Beam™ GMA  
 185-002-80 and -81 Jam Nut Receptacles**

**185-002-80 LOW-PROFILE JAM NUT MOUNT RECEPTACLE**



**185-002-81 JAM NUT MOUNT RECEPTACLE WITH EXTENDED BACKEND**



RUGGED FIELD / EXPANDED BEAM