

SERIES 185-002 EYE-BEAM® GMA MIL-DTL-83526 /20 & /21 compliant hermaphroditic expanded beam connectors



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 | 185-002 | | | -60 | G | -4 | B | 90 | L |
| Basic number | GMA Fiber Optic connector series | | | | | | | | |
| Connector Type | 60 = Plug, hermaphroditic, in-line 70 = Receptacle, wall mount, low profile 71 = Receptacle, wall mount, extended backend 80 = Receptacle, jam nut mount, low profile 81 = Receptacle, jam nut mount, extended backend | | | | | | | | |
| Material/Finish | Plug | | Receptacle | | | | | | |
| | G = Al Alloy / hard anodize | | ZR = Al Alloy / Zinc-Nickel black | | | | | | |
| Number of Channels | 2 = 2 channels 4 = 4 channels | | | | | | | | |
| Operating Wavelength | A = Multimode dual wavelength, 850 / 1300 nm. B = Singlemode, 1310 nm. C = Singlemode, 1550 nm. D = Singlemode dual wavelength, 1310 / 1550 nm. | | | | | | | | |
| Cable Diameter | See Table II | | | | | | | | |
| Termini Option | L = Less termini, order termini separately T = Termini included in same quantity as number of channels (order connectors less termini (option L) for best / fastest availability) | | | | | | | | |

NOTES

Dimensions in Inches (millimeters) and are subject to change without notice.

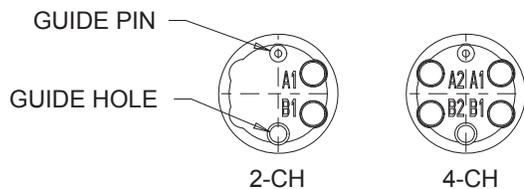
GMA connectors can be ordered with or without termini, see P/N development. Termini can be ordered separately, see Glenair dwg. 181-101 Consult factory for additional Connector Types, Materials/Finishes, and Cable Diameters

Table II: Cable Diameters

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

Consult factory for other cable sizes

185-002 INSERT ARRANGEMENTS (Number of Channels)



CONNECTOR MATING FACE
(There is a rotational relationship between D Flat and the connector mating face on jam nut receptacles)

CONNECTOR MATING FACE