

### About MOOG Inc, Kingsport Operations

Moog Inc, Kingsport Operations leads the industry in developing innovative optoelectronic components and communication subsystems for harsh environments. The components and systems are qualified on many military platforms, including: F-16, F-18, F-22, F-35, Grippen, b-52, C-130, P-8, KC390, V-22, AW101 Merlin, UH-60, LCS, MK-15, WIN-T, PATRIOT, MRAP, JLTV, AN/TPS-80, AH-64, RQ-4 Global Hawk, MQ-1 Predator, MQ-9 Reaper, MQ-8 Fire Scout, among others.

For more Information or Datasheets, please contact:

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### New Product Development 10Gbps Magnum Optoelectronic Size 8 Cavity Insert



Optoelectronic Size 8 Insert for Quadrax Cavities  
Active Fiber Optic Interface (TX or RX)

This product family will support the next generation of network and sensor equipment. There will be Magnum for front and rear release, Elio and Lucxis optical interfaces available.

### Features

- 850nm Multimode and 1310nm Singlemode supported
- Front release optoelectronic Size 8 cavity inserts in rectangular connector application
- Rugged fiber optic interface offers enhanced resistance to humidity and dust
- All metal construction enables immunity to high levels of shock and vibration
- Operating temperature range from -40°C to +85°
- Options for ARINC 801 or EN 4531 mechanical fiber optic contact interface
- Supports ARINC 818
- Compatible with all standard Arinc 600 and MIL-DTL-83527 Size 8Q cavities
- Compliant with ANSI Fibre Channel for 1.0625 / 2.125 / 4.25 / 8.5 / 10.52 Gbps
- Compliant with VITA 17.1 sFPDP for 2.5 / 3.125 Gbps
- Compliant with IEEE-802.3:2005 / IEEE-802.3ae for Gigabit or 10Gigabit Ethernet
- Optoelectronic Size 8 Insert for Quadrax Cavities

### Ordering Part Numbers:

850nm: P44F-xL1H-xK  
1310nm: P44F-xL2H-xK