

QMINI 2 & 4 CHANNEL EXPANDED BEAM CONNECTOR



Qmini 2 & 4 Channel Expanded Beam Connector
(pictured without dust cover)

FEATURES & BENEFITS

- 2 & 4 Channel connector system
- Small diameter – designed for applications where size and space requirements are critical
- The non-contact system allows thousands of mating cycles
- Very high resistance to vibration, shock, environmental effects, dust, and debris
- Ergonomic elastomeric grip
- Singlemode and Multimode operation
- Intermateable with Tyco Pro Beam Jr., Stratos HMC, & Fibreco Mini; based on existing MIL-PRF-83526/20
- Hermaphroditic connector design
- Environmental sealing to IP68
- Jam nut or flange mount receptacles, low profile and backshell options available
- Designed specifically for harsh environment use, such as military, mining, offshore & broadcast applications

PRODUCT DESCRIPTION

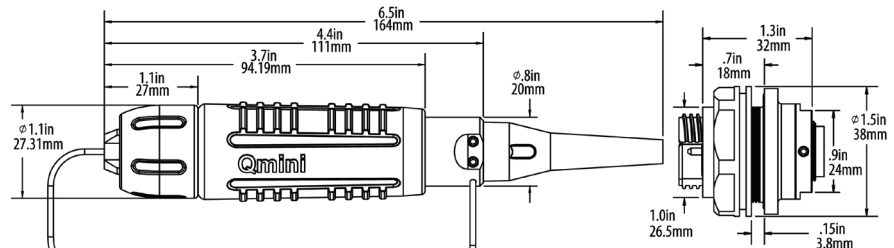
The QPC Qmini Expanded Beam Fiber Optic Connector has been designed to the requirements of MIL-PRF-83526/20.

The hermaphroditic design allows assemblies to be daisy chained together without adapters, allowing for flexibility in system design.

The expanded beam connector uses a spherical lens to collimate the signal at many times the original diameter. This technology makes the connector very resistant to shock and environmental issues, minimizing the effects of dust, debris and mechanical vibration. Because the fiber system is non-contact, the connector life is in excess of 3,000 mating cycles, providing a high quality, rugged environment solution.

DIMENSIONS

Qmini 2 & 4 Channel Expanded Beam Connector & Jam Nut dimensions:



Dimensions are in inches and millimeters, drawings displayed at a .45 scale

SPECIFICATIONS

Insertion Loss:	Singlemode:	0.75 - 1.5dB, typical
	Multimode:	0.75 - 1.0dB, typical
Return Loss:	> 34dB @ 1310nm or 1550nm	
Durability:	3000 mating cycles	
Operation Temperature Range:	-45°C to 85°C	
Water Immersion:	5m	
Free Fall:	500 falls @ 1.2m	
Vibration:	10 - 500Hz, 0.75mm amplitude @10g	
Corrosion Resistance:	336 Hours Salt Spray	

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