

### Overview:

The **3420 Space Connector** is designed to meet the harsh environments of aerospace applications and is affordable enough to be used wherever a lightweight, titanium connector is needed. The **3420 Space Connector** is developed to meet the ESCC 3420 standard and to be compatible with the Mini and Midi AVIM® connectors. It is also compatible with many fibers and cables less than 2mm OD.

The most critical factor in guaranteeing the performance of a space connector is the assembly process. The method used at Coastal Connections has been in continuous development since its founder qualified a single-mode connector for space in the 1990's. Coastal Connections builds 1,000s of connectors for space flight.

Please note that Coastal Connections' **3420 Space Adapter** is not compatible with the AVIM® connector.



### Connector Features:

- Assembled in the USA with quality components
- Molded boots are available where outgassing is not a concern
- Suitable for single-mode and multimode fibers up to 400µm OD
- Ceramic ferrule and a titanium body for better performance over time and in high vibration
- Polyolefin strain relief, for low outgassing, without having to vacuum bake off mold release
- 6.5mm (1/4") wrench flats on coupling nut so that the connector can be torqued to 1.0 Nm (9 lbf-in)

### Planned Testing

	Parameters	Samples	Results
<b>Vibration</b>	>40 Overall RMS Gs 3 Axis, 20 minute per axis	Qty 12, 3-meter long 900µm OD Cables Qty 16, 3-meter long 2mm OD cables	Coming Soon
<b>Shock</b>	Three >500Gs shocks per +/- Axis 18 Shocks Total	Qty 12, 3-meter long 900µm OD cables Qty 12, 3-meter long 2mm OD cables	Coming Soon
<b>Thermal Cycle</b>	Temperature: -40° to 85° C Hold Time: 20 minutes Cycles: >200	Qty 12, 3-meter long 900µm OD cables Qty 12, 3-meter long 2mm OD cables	Coming Soon
<b>Thermal Age</b>	Temperature: 85° C Humidity 85° C Time: 168 hours	Qty 12, 3-meter long 900µm OD cables Qty 12, 3-meter long 2mm OD cables	Coming Soon

Values are given for design consideration. Performance is not guaranteed and therefore should be verified by testing completed cable assemblies.

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