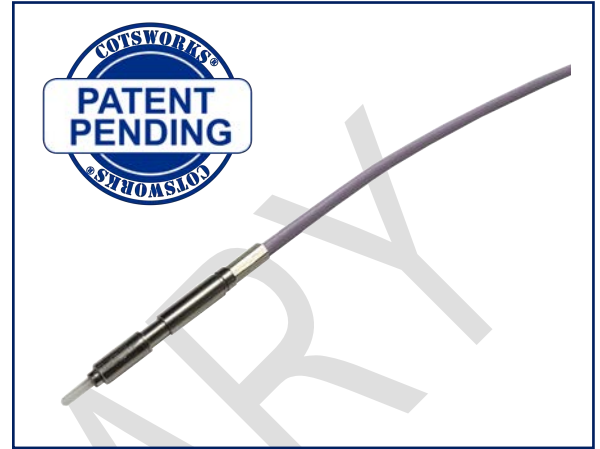




Features:

- ARINC 801 terminus with Insertion/Removal tool incorporated
 - Rear-mounted cylinder compresses to terminus
 - Spring-actuated return once tool is engaged
 - Cylinder activating mechanism resides at resting state.
- Standard ARINC 801 size 16 termini body and compatibility
- Several length options for use in a variety of connectors/inserts
- Meets and can exceed Industrial Temperature operation
- High durability for increased resistance to constant wear-and-tear
- Can be terminated on 900µm and 1.6-2.2mm diameter fiber cables
- Eliminates need for M81969/1-03 insertion/removal tool
- Reduced FOD concerns
- Reduces operating costs and test equipment maintenance costs
- Designed to meet MIL-STD-883, ARINC 801 shock and vibration



The Lightly™ terminus is ideal for laboratory testing, manufacturing, and harsh environments, including military and aerospace applications.



General Description

The Lightly™ terminus enhances the Commercial Aerospace de facto standard ARINC 801 terminus by incorporating the insertion/removal tool in the rear termini around the crimp. Lightly™ can be installed with one hand on the cable and terminus body into an ARINC 801 receptacle such as COTSWORKS' RCP transceiver. Lightly™ was designed to eliminate the need for the M81969/1-03 tool, improving rework time, testing time, and eliminating the potential for FOD from discarded or lost equipment. Designed to meet or exceed MIL-STD, TIA, and ARINC 801 environmental requirements.

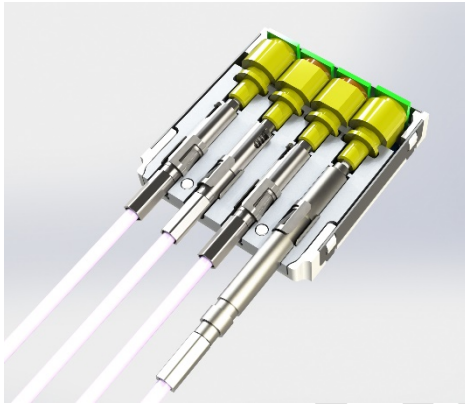
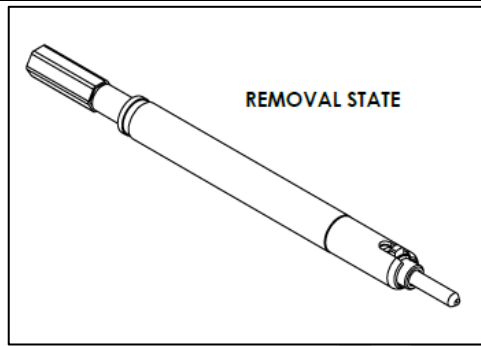
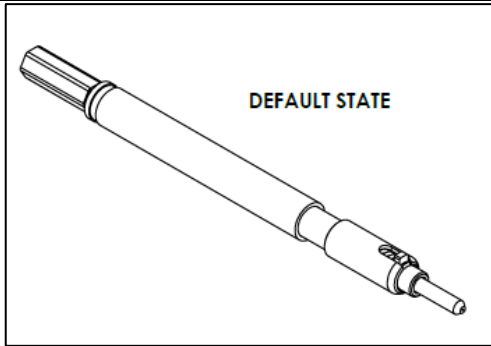
Specifications

<p>Mechanical Specifications</p> <ul style="list-style-type: none"> • Compatible with ARINC 801 termini inserts defined by configured lengths and required depths to the keyway • Cylinder is narrower than the keyway inserts • Compatible with multiple cable diameters • Cable bend radius is unaffected by the Lightly cylinder <p>Configuration Specifications</p> <ul style="list-style-type: none"> • Multimode 50/125, 62.5/125µm or 100/140µm • Single mode 9/125µm • Available for various cable jacket sizes • Designed to work with MIL-DTL-38999, EPX, EN4165, COTSWORKS' RCP, and others 	<p>Environmental Specifications</p> <ul style="list-style-type: none"> • Operating temperature of -40°C to +95°C • Storage temperature -55°C to +125°C • Humidity 20-80% Non-condensing <p>Agency/Safety Specifications</p> <ul style="list-style-type: none"> • Insertion loss and Return Loss testing available on all cable assemblies utilizing the Lightly™ terminus to meet ARINC standards or other Military standards on opposing ends • Cylinder is attached during Industry Standard compliant termination at COTSWORKS
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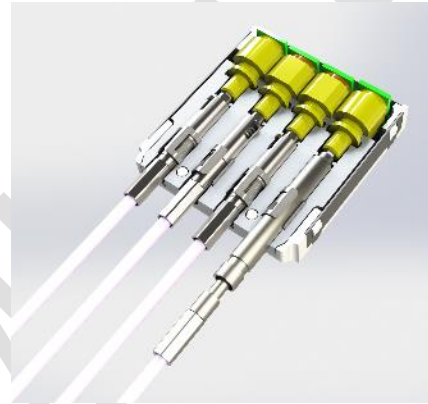




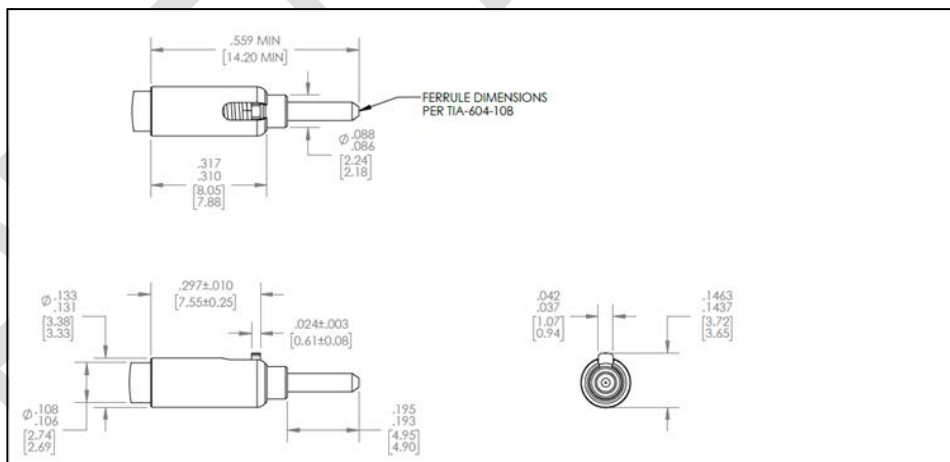
Mechanical Dimensions



Terminus shown installed into a COTSWORKS RCP



Terminus shown with the removal tool in the engaged position to remove from a COTSWORKS RCP



Images shown are preliminary representations only final designs and features are subject to change





Installation Guidelines

- Insert the Lightly™ terminus into an ARINC 801 receptacle until fully seated. The Lightly™ terminus is now fully installed.

Removal Guidelines

- By pressing the built-in tool collar into the forward position, the terminus will be released from the retention features found in ARINC 801 standard receptacles.

Ordering Information

For ordering a Lightly™ Termination Kit

LX-L	-X	-XXX	-X
Lightly™ Product Family	-M: Multimode	<i>-1D8: Termination Kit for 1.6mm to 2.2mm</i> <i>-900: Termination Kit for 900µm Buffered Fiber</i>	-R: For usage in conjunction with the COTSWOKRS RCP Transceiver
	-S: Single-mode		-C: For usage with ARINC801 compatible connectors
	-Q: 100/140 Multimode		

Example part number: LX-L-M-1D8 [A multimode Lightly™ Termination Kit for 1.6mm to 2.2mm Jacketed Fiber]

For ordering a Lightly™ Terminus as part of a cable assembly

LL	-X
Lightly™ Product Family	-R: For usage in conjunction with the COTSWOKRS RCP Transceiver
	-C: For usage with ARINC801 compatible connectors

Example Callout: FIBER-MM-LC-LLR-10I-B1

[10inch jumper cable with an LC connector and a Lightly™ Terminus for use with a COTSWORKS RCP transceiver, on W.L. Gore 62.5/125µm aerospace grade fiber optic cable]

Contact COTSWORKS for mechanical dimensional information and other configuration options

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