

Features:

- Insertion/Removal tool incorporated into an ARINC 801 style terminus
 - Rear-mounted collar compresses into the terminus body
 - Spring-actuated return once tool is engaged
 - The collar resides at a resting state at the rear of the terminus when not engaged
- Eliminates need for M81969/1-03 insertion/removal tool
- Intermateable with standard ARINC 801 size 16 termini
- Designed for Industrial Temperature operation, -40 to 95°C
- Stainless steel construction provides increased durability
- Can be terminated on 900µm and 1.6-2.2mm diameter fiber cables
- Reduces Foreign Object Debris (FOD) concerns
- Reduces operating and test equipment maintenance costs
- Designed for 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.



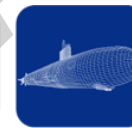
COMMERCIAL
AEROSPACE



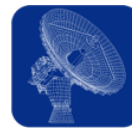
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MILITARY
TACTICAL



SUBSEA
NETWORKING



RADAR &
SENSING



OIL &
EXPLORATION

General Description

The Lightly terminus enhances the Commercial Aerospace de facto standard ARINC 801 terminus by incorporating the insertion/removal tool within the terminus body. With one hand, Lightly can be installed 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. The Lightly is designed to meet or exceed MIL-STD, TIA, and ARINC 801 environmental requirements.

General Specifications

Mechanical Specifications

- 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

Configurations Specifications

- Multimode 50/125, 62.5/125µm or 100/140µm
- Single mode 9/125µm
- Compatible with multiple cable jacket sizes
- Designed to work with MIL-DTL-38999, EPX, EN4165, COTSWORKS' RCP, and other ARINC 801 compliant receptacles

Environmental Specifications

- Operating temperature of -40°C to +95°C
- Storage temperature -55°C to +125°C
- Humidity 20-80% Non-condensing

Agency Specifications

- Meets or exceeds all ARINC industry standards for handling and operations in lab or factory conditions
- Contact COTSWORKS for aerospace usage information.





Mechanical Dimensions

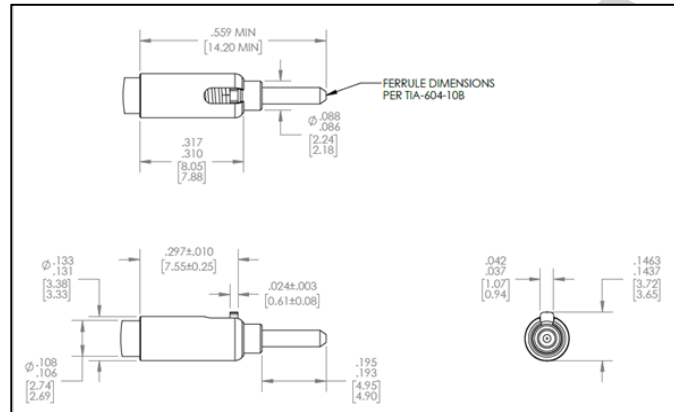
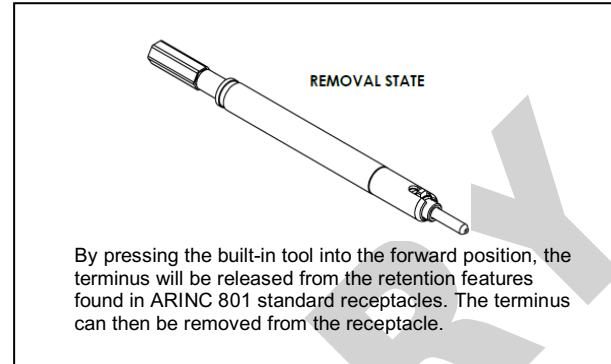
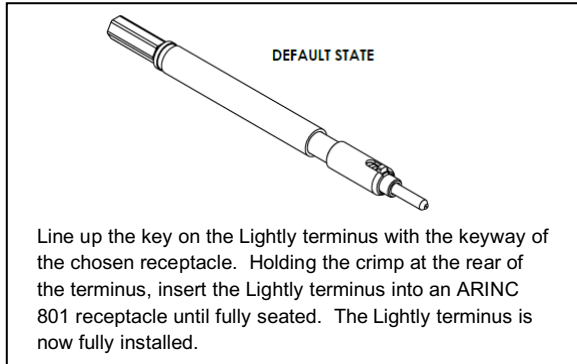


Image shows Lightly ARINC 801 interface which meets ARINC 801 industry standards.

Ordering Information

LX-L	-X	-XXX	-X
Lightly™ Product Family	-M: Multimode -S: Single Mode -Q: 100/140 Multimode	-1D8: Termination Kit for 1.6mm to 2.2mm -900: Termination Kit for 900µm Buffered Fiber	-R: For use in conjunction with the COTSWORKS RCP Transceiver -C: For usage with ARINC 801 compatible connectors

Example part number: LX-L-M-1D8-C [A Multimode Lightly Termination Kit for 1.6mm to 2.2mm jacketed fiber]

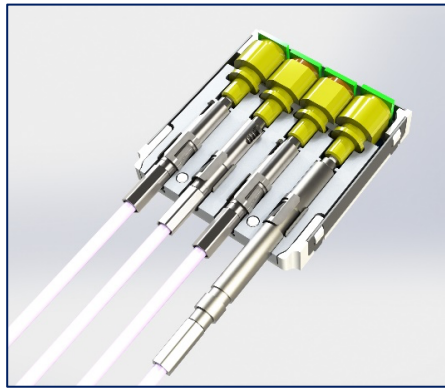
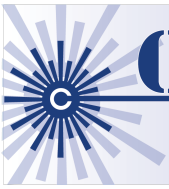
For ordering a Lightly™ Terminus as part of a cable assembly

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

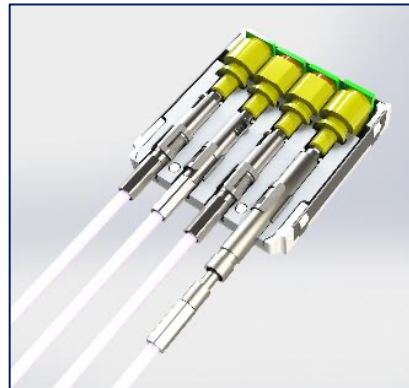
Example part number: FIBER-MM-LC-LLR-10I-B1

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

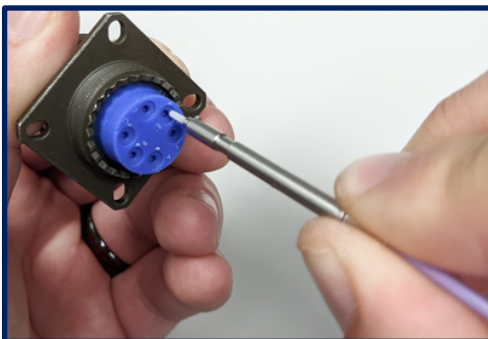




Terminus shown installed into a COTSWORKS RCP™



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



Examples show Lightly installed into COTSWORKS RCP and 38999 style connector.

Contact COTSWORKS for support with mechanical dimensional information, termination instructions, lead times and other configuration options.

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