

## Features:

- Turns LC receptacles into avionics grade interfaces
- Fits COTSWORKS' RJ and SFF LC transceiver receptacles
- Factory or easy installation using COTSWORKS' LC-Rugged hardware
- Supports ARINC 801 termini and cabling
- Rugged aluminum construction
- Meets and exceeds industrial temperature operation
- Meets and exceeds MIL-STD- 883 shock and vibration
- Related product: LC to ARINC 801 adapter for cable to cable use is available



**The LC-801 is ideal for harsh environments including Military and Aerospace applications**



## General Description

The LC-801 is a LC Plug to ARINC 801 receptacle adapter utilizing COTSWORKS' LC Rugged (LC-R) and industry standard ARINC 801 terminus. The LC-801 uses identical spring clips to those in COTSWORKS' RCP module or standard 38999 circular, EN4165 square, or rectangular EPXB connectors. Its in-line design reduces insertion loss to that of a standard mated pair. These design features allow transceivers with LC receptacles to be upgraded to the more rugged ARINC 801 style. Also, the resulting installed terminus is shorter in rigid length than standard LC connectors enabling easier fiber routing.

## Specifications

### Mechanical Specifications

- Compatible with all ARINC 801 termini
- Supports both Multimode and Singlemode
- ARINC 801 retention 75N (16.86 lbf)

### Configuration Specifications

- LC-R – Locking LC kit secures an LC or LC801 termini into an LC receptacle

### Environmental Specifications

- Operating temperature of -50°C to + 95°C
- Storage temperature -55°C to +105°C
- Humidity 95% (non-condensing)
- Mechanical shock & vibration per MIL-STD-883

### Agency/Safety Specifications

- RoHS requirements per 6/6

	<p><b>LC to ARINC 801 Adapter with Locking Metallic T and Screw.</b></p>
	<p><b>ARINC 801 cable installed into LC to ARINC 801 adapter</b></p>
	<p><b>The LC to ARINC 801 Adapter installed into a COTSWORKS Transceiver converts the LC receptacle to an ARINC 801 receptacle.</b></p>

## Ordering Information

LC801 is only sold as part of an RJ transceiver. See the RJ transceiver datasheet for the full part number. Contact COTSWORKS for mechanical dimension information.

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