

# Application Note

## Polarity Reversal: LC Unibody Connectors with SPECTRO-LINK™ Technology

### APPLICATION

Unibody LC Connectors — available on Leviton fiber trunks, harnesses, and patch cords — have ergonomic pull release handles for easy port removal. The connector design with SPECTRO-LINK technology allows for simple field polarity reversal in support of both A/A polarity and A/B polarity methods. Users may encounter equipment requiring polarity opposite of the factory set polarity at time of order. When this occurs users can easily reconfigure the connector in the field. This application note applies to changing or reversing polarity of Leviton pre-terminated fiber assemblies.

Application Note ID:

NS-AN-20-0001

Date:

03/21/2024

Product Line:

Fiber Optics

Part Numbers Affected:

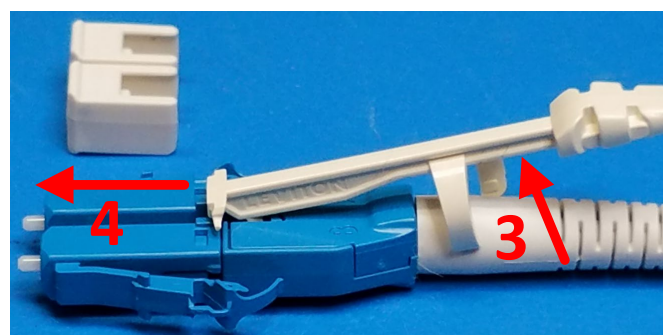
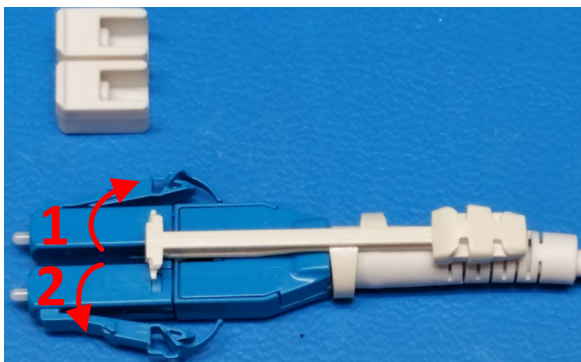
Pre-terminated assemblies constructed with LC Unibody connectors with pull release handle

### LC CONNECTOR POLARITY REVERSAL PROCESS

While holding the duplex connector with the ferrules (connector end) facing away from you:



1. Remove the protective cap and rotate the front half of the left connector counter-clockwise 90°
2. Rotate the front half of the right connector clockwise 90°
3. Lift the Puller handle upward to clear the Connector Boot
4. Slide the Puller forward until clear of the Connector Assembly and remove



**USA**  
Network Solutions Headquarters  
+1 (800) 722 2082  
infoUSA@leviton.com

Leviton Berk-Tek Cable: +1 (800) 237 5835  
berktek.info@leviton.com

**Asia Pacific**  
+852 3620 2602  
infoAPAC@leviton.com

**Canada**  
+1 (800) 461 2002  
infoCanada@leviton.com

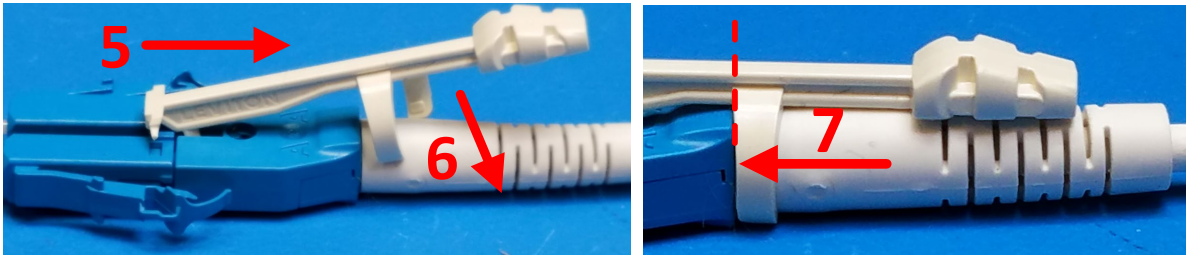
**Europe**  
+44 (0) 1592 772124  
infoEurope@leviton.com

**Latin America**  
MX: +52 (55) 2128 6286  
LATAM: +52 (55) 2333 5963  
infoLATAM@leviton.com

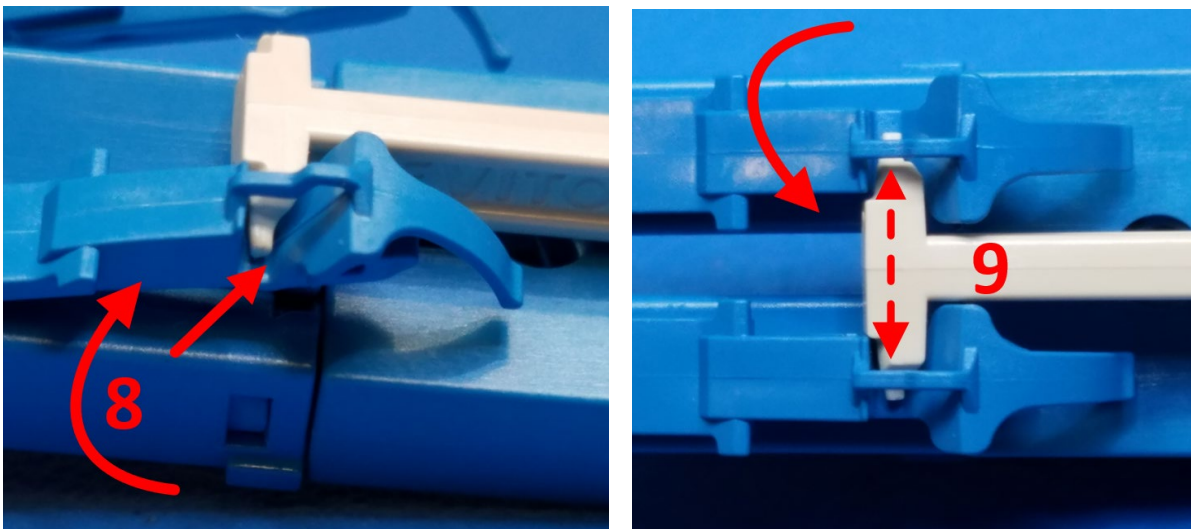
**Middle East & Africa**  
+971 (4) 247 9800  
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](http://LEVITON.COM/NS) TO LEARN MORE.

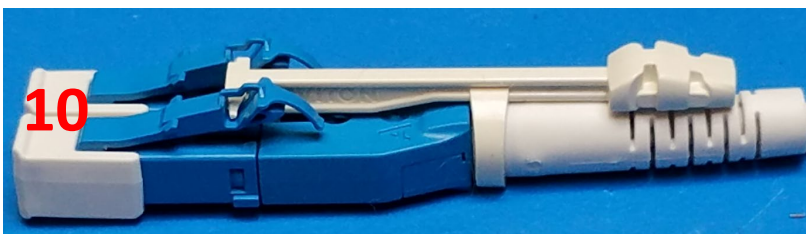
5. Turn the connector assembly over and insert the front of the puller into the groove between the connectors.
6. Rotate the Puller towards the Boot and press the Puller Arms around the Boot.
7. Slide the puller forward until the Puller Arms press up against the Connector Assembly.



8. Rotate the front half of the left connector clockwise 90°, making sure that the puller horn is under the latch roll bar and correctly placed within the connector latch.
9. Rotate the front half of the right connector counter-clockwise 90°, making sure that both puller horns are under the latch roll bars and correctly placed within each connector latch.



10. Replace the protective cap.



**USA**  
Network Solutions Headquarters  
+1 (800) 722 2082  
infoUSA@leviton.com  
  
Leviton Berk-Tek Cable: +1 (800) 237 5835  
berktek.info@leviton.com

**Asia Pacific**  
+852 3620 2602  
infoAPAC@leviton.com

**Canada**  
+1 (800) 461 2002  
infoCanada@leviton.com

**Europe**  
+44 (0) 1592 772124  
infoEurope@leviton.com

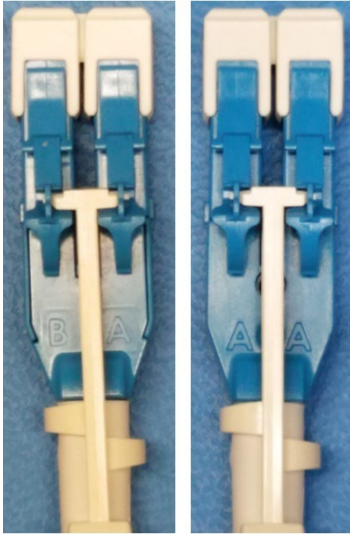
**Latin America**  
MX: +52 (55) 2128 6286  
LATAM: +52 (55) 2333 5963  
infoLATAM@leviton.com

**Middle East & Africa**  
+971 (4) 247 9800  
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](http://LEVITON.COM/NS) TO LEARN MORE.

## SUMMARY

Reversing polarity with Leviton Unibody LC connectors is fast and easy. **A** and **B** characters clearly identify which polarity is being used at each end of the cable assembly.



Visit us at [Leviton.com/spectrolink](https://www.leviton.com/spectrolink) for further information.

**USA**  
Network Solutions Headquarters  
+1 (800) 722 2082  
infoUSA@leviton.com

Leviton Berk-Tek Cable: +1 (800) 237 5835  
berktek.info@leviton.com

**Asia Pacific**  
+852 3620 2602  
infoAPAC@leviton.com

**Canada**  
+1 (800) 461 2002  
infoCanada@leviton.com

**Europe**  
+44 (0) 1592 772124  
infoEurope@leviton.com

**Latin America**  
MX: +52 (55) 2128 6286  
LATAM: +52 (55) 2333 5963  
infoLATAM@leviton.com

**Middle East & Africa**  
+971 (4) 247 9800  
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.