

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20120810-E81956  
**Report Reference** E81956-20020408  
**Issue Date** 2012-AUGUST-10

**Issued to:** TYCO ELECTRONICS CORP  
2100 PAXTON ST  
HARRISBURG PA 17111


**This is to certify that representative samples of** COMPONENT - COMMUNICATIONS-CIRCUIT ACCESSORIES  
See addendum page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 1863, the Standard for Communication Circuit Accessories

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs  
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USR Mini RJ-21 (MRJ-21) Receptacle, Part Nos. 1339362-1, -2, -3, -4, 1761482-1, -2,-3,-4, 1761880-1, 1761715-1, -2.

USR Mini RJ-21 (MRJ-21) Plug, Part Nos. 1339385-1, 1761519-1

USR MRJ21 Plugs Part Nos. 1499988-1 and 149988-2.



William R. Carney, Director, North American Certification Programs  
UL LLC

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## DESCRIPTION

## PRODUCT COVERED:

\*USR Mini RJ-21 (**MRJ-21**) Receptacle, **Part Nos.** 1339362-1, -2, -3, -4, **1761482-1, -2,-3,-4, 1761880-1, 1761715-1, -2.**

**USR** Mini RJ-21 (**MRJ-21**) Plug, **Part Nos.** 1339385-1, 1761519-1

**USR MRJ21 Plugs Part Nos. 1499988-1 and 149988-2.**

\***TECHNICAL CONSIDERATIONS:**

Maintenance and Component Servicing - The operation, maintenance and repair of the equipment shall only be accomplished by trained personnel.

Rating - The units are intended for telephone circuits or data circuits operating at 175 mA or less and a maximum of 56.5 V dc, ringing voltage not to exceed 150 V rms.

\* USR indicates Recognition **evaluation** to UL 1863, **The Standard for Communications-Circuit Accessories, 4<sup>th</sup> Edition dated May 14<sup>th</sup>, 2004 including revisions through August 21<sup>st</sup>, 2008.**

## CONDITIONS OF ACCEPTABILITY:

For use only in end-products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

## MODEL DIFFERENCES

\***Part No.** 1761519-1 is the same as **P/N** 1339385-1 except that it has tin plating on the contacts and **P/N** 1339385-1 has tin-lead plating on the contacts; also the shield of **P/N** 1761519-1 is nickel plating and **P/N** 1339385-1 the shield is tin-lead.

Part No. 1339362-3 is identical to **P/N** 1339362-2 except it has extended tabs on the shield. Refer to Ill 2.

Part No. 1339362-4 is identical to **P/N** 1339362-1 except it has compliant pin termination contact and shield.

Part No. 1761482-1 is identical to **P/N** 1339362-1 except for plating on solder tails. Refer to Ill. 3.

\*

## MODEL DIFFERENCES (cont'd):

**Part Nos. 1761482-2 is identical to P/N 1339362-2 except for plating on solder tails.**

**Part No. 1761482-3 is identical to P/N 1339362-2 except for the plating on solder tails and extended ground tabs on shield.**

**Part No. 1761482-4 is identical to P/N 1339362-1 except for compliant termination pin contact and shield.**

Part No. 1761880-1 is identical to **P/N** 1339362-1 except for longer solder tail contacts and is shielded with Kapton tape.

Part No. 1761880-1is identical to **P/N** 1339362-1 except for compliant pin termination contact and shield. Refer to Ill. 4.

Part No. 1761715-1 is identical to **P/N** 1339362-1 except for the plating on longer solder tail contacts and is shielded with Kapton tape. Refer to Ill. 5.

Part No. 1761715-2 is identical to **P/N** 1339362-1 except for plating on compliant pin contact and is shielded with Kapton tape.

**Part No. 1499988-1 is identical to P/N 1499988-2, except P/N 1499988-1 is straight and P/N 1499988-2 is angled.**