

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20160726-E70200  
**Report Reference** E70200-19790510  
**Issue Date** 2016-JULY-26

**Issued to:** TYCO ELECTRONICS CORP  
2901 FULLING MILL RD MIDDLETOWN PA 17057-3170

**This is to certify that representative samples of** MIDDLETOWN PA 17057-3170  
Component Surface Burner Connector, Cat. Nos. 520985, 521139, 521670-1, 640749, 770324, 770359, 770500, 770524, 1969726 may be followed by -1.

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

**Standard(s) for Safety:** Household Electric Ranges, UL 858  
**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 Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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## DESCRIPTION

## PRODUCT COVERED:

Component Surface Burner Connector, Cat. Nos. 520985, 521139, 521670-1, 640749, 770324, 770359, 770500, 770524, **1969726** may be followed by -1.

## ENGINEERING CONSIDERATIONS:

The product, covered by this report is intended for use with household electric ranges where the acceptability of the combination is determined by Underwriters Laboratories Inc. These devices are connector assemblies utilizing quick-disconnect type connectors with detent action for acceptance of surface burner connectors. The units employ "wiper" grounding type ground shield construction.

## ELECTRICAL RATINGS:

The connector assemblies are rated 120/240 V, 60 Hz, ac, 15 A maximum.

## CONSTRUCTION DETAILS:

Spacings - A minimum spacing of 1/16 in. is maintained over surface and through air, between current-carrying parts and noncurrent-carrying dead metal parts and between current-carrying parts of opposite polarity.

## MODEL DIFFERENCES

\***Cat. No.** 521370-1 is similar to 521139-1 and 770359-1 except for the change in the mounting ears.

**Cat. No. 1969726-1 is similar to Cat. No. 770524-1 except the housing is molded from a thermoplastic material rather than a thermoset material and as described in the following description.**

CONDITIONS OF ACCEPTABILITY:

\*1. The insulator body for the connector devices is suitable for a temperature rating **as noted below**. The end-use product engineer shall determine that the temperatures of the spade terminals and the connector body do not exceed the material rating.

Connector	Temperature Rating, Deg C
520985, 521139, 521670-1, 640749, 770324, 770359, 770500, 770524	150
1969726-1	240

2. The connector assembly should be suitably grounded to the end product. The maximum value of the grounding path resistance shall not exceed 0.1 ohm as determined by the applicable Grounding Continuity Test.