

File E315442  
Project 07CA39519

October 11, 2007

REPORT

on

COMPONENT - CONNECTOR HOUSINGS - COMPONENT

Tyco Electronics Corp  
Harrisburg, PA

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## DESCRIPTION

## PRODUCT COVERED:

USR Component Connector Housings, Part Nos. 1954564-1, 1954565-1, 1954566-1, 1954759-1, 1954760-1, 1877829-1, 1877830-1, 1954495-1, 1954496-1, 1954563-1, 2058565, 2058566, 794912-X, 794911-X, where X is any number between 0 and 9.

## GENERAL:

These devices are multi-pole connector housings without any electrical contacts. They consist of the molded insulating base only and are intended for factory assembly to contacts (pins) by the end-product manufacturer. These housings have only been investigated to the construction requirements for the insulating materials as contained in UL 1977. No performance tests have been conducted. Additional End-Product Tests on the connector assembly (Housing and Contacts) will be required.

USR indicates investigation to UL Subject 2441, Outline of Investigation, dated October 3, 2003.

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. The performance of assembled devices, connector housings with contacts, shall be investigated by subjecting representative devices in commercial form to the applicable tests specified in the end product categories.
2. Spacings between contacts shall be investigated to the applicable requirements in the end product categories.
3. These devices have been found to comply with the material requirements for one or more of the following end product categories.

Part Nos.	Categories
1954564-1, 1954565-1, 1954566-1 1954759-1, 1954760-1, 1877829-1, 1877830-1, 1954495-1, 1954496-1, 2058565, 2058566, 1954563-1, 794912-X, 794911-X	Connectors For Use in Data, Signal, Control and Power Applications (ECBT2)

4. These devices employ insulating materials with a minimum flame class of V-0 at the minimum thickness employed in the connector housing.
5. The maximum operating temperature of these devices should not exceed the temperature ratings (RTI) of the insulating materials. All devices except for 794912-X, 794911-X may be used interchangeably at a maximum temperature of 95°C. Part Nos. 794912-X, 794911-X may be used interchangeably at a maximum temperature of 65°C.
6. The mold Stress Test was not conducted. The need to conduct this test should be determined in the end-use product.