



Underwriters Laboratories Inc.®

## APP'S REPORT

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File E28476  
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REPORT

on

COMPONENT - RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

AMP Inc.  
Harrisburg, PA

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testing for public safety

## DESCRIPTION

## PRODUCT COVERED:

Component Connectors - CHAMP .050 Series Connectors.

## GENERAL:

These devices are multi-pole edgecard connectors employing contacts of the solder termination type for use with printed circuit boards and terminator assemblies incorporating printed circuit boards.

## ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in 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. These devices should be used only where they will not interrupt the current.
2. These devices have not been tested for current-carrying capability.
3. The suitability of the mounting means shall be determined in the end use.
4. The adjacent poles may be used at the following voltage potentials based on the spacings requirements of Paragraph 14.1 of UL 498, twelfth Edition. Dielectric testing has not been performed.

Spacing (in)Voltage

Min 3/64 in

250 V or less

Min 1/8 in

600 V or less

5. Spacings and related voltage ratings should meet the requirements of the Standard which covers the end-use products for which the components were designed.

6. The placement of these devices within the equipment enclosure should be such that spacings between the live parts and the equipment are suitable for the particular application.

6. The electrical and mechanical contact between the connectors and the \*printed circuit board and/or ribbon cable is to be judged in the end-use application.

7. Terminator Assembly components (such as diodes, resistors, capacitors, integrated circuits and other electrical/electronic components) should be evaluated in the end-use application.

8. The printed circuit board should have a min temperature rating of 10°C higher than the max temperature of the insulating material.

9. The suitability of the insulating materials and used in the molded bodies shall be judged in the end-use equipment.

10. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a max temperature of 95°C.