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DESCRIPTION

PRODUCT COVERED:

Component Connectors, Series AMP-LEAF.

GENERAL:

These devices are multipole connectors employing contacts of the post, clip, crimp, and solder termination types for use with printed circuit boards and wire harnesses. Contacts can be assembled along one or both sides of the housing.

This report supersedes report dated December 10, 1970 (Vol. 1, Sec. 19).

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 when they will not interrupt the current.
2. The current carried by each pole shall be judged under requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.
3. The suitability of the mounting means shall be determined in the end use.
4. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use.
5. 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 adjacent poles may carry currents at potentials not exceeding 250 V between any two circuits.
7. 600 V may be placed on any two nonadjacent poles if the intervening poles are omitted to increase the total spacing between the live parts of opposite polarity to 1/8 in.

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8. The electrical and mechanical contact between the contacts and the printed wiring board is to be judged.

9. The method in which the conductors are terminated is to be judged in the end-use application.

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

11. 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 105°C.