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Project 80ME11978

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REPORT

on

**COMPONENT - Connectors for Use in Data, Signal, Control and Power Applications
- Component**

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AMP, Inc.
Harrisburg, PA

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D E S C R I P T I O NPRODUCT COVERED:

Drawer Connector Series, **AMP** refer to illustrations for specific catalog numbers.

GENERAL:

These devices are multi-pole and pin and receptacle connectors employing AMP Drawer or AMP-Leaf crimp contacts. (Refer to AMP-Leaf terminals in report dated 11-6-73).

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

Use - For use only in complete equipment where the acceptability of the combination is judged 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 in applications where they will not interrupt current.

2. The current carried by each pole shall be determined in the end-use equipment.

3. Suitability of termination of AMP-Leaf contacts used with Drawer Connectors must be determined in the end-use equipment.

4. The operating temperatures of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a max temperature of 75°C.

5. The placement of these devices within the appliance enclosure should be such that spacings between live parts and the end-use equipment are suitable for the application.

6. The receptacle and pin contacts are for factory-wiring only.

7. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use product.

8. The electrical and mechanical contact between the receptacle and pin contacts is to be determined in the end-use equipment.

9. The voltage between live parts and live parts and grounded or exposed metal parts should not exceed 600 V based on the provided spacings of 1/8 in (3.2 mm) as required in the Standard For Attachment Plugs and Receptacles.

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