

File E28476
Project 90ME11393

Issued: June 12, 1990
Revised: January 17, 2013

REPORT

on

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

Amp Inc.
Harrisburg, PA

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

Component Connectors - AMP Universal Power Connectors.

GENERAL:

These devices are multi-pole connectors employing contacts of the crimp termination type for use in electrical equipment where the acceptability of the combinations is determined by Underwriters Laboratories Inc.

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 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.
- * 5. The adjacent poles may be used at potentials not exceeding 600 V based on the spacings requirements of Paragraph **11.1** of **UL 1977**. Dielectric testing has not been performed.

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6. The factory assembled contacts have been investigated for the following wire ranges and maximum tensile forces:

<u>Part No.</u>	<u>Wire Range (AWG)</u>	<u>Tensile Force (lb)</u>
175150-1	16	20
175152-1	16	20
175150-1	20	8
175152-1	20	8
175152-2	20	8
175152-4	16	20
175149-1	22-26	8
175151-1	22-26	8
175151-2	26	7
175151-2	22	8
353439-1	16	8

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

8. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 105°C.