

File E28476
Project 89ME774

April 20, 1989

REPORT

on

COMPONENT - RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

AMP Inc.
Harrisburg, PA

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D E S C R I P T I O N

PRODUCT COVERED:

"AMPLIMITE .050 Series", Multi-pole Printed Wiring Board Connectors.

General - The AMPLIMITE .050 Series are multi-pole connectors intended to be factory assembled on ribbon cable with conductors on 0.025 by 0.100 in centers or 0.050 by 0.100 in centers and discrete wire.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use 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 electrical and mechanical suitability of the wiring terminals 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 suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end-use. Dielectric testing has not been performed.
6. The electrical and mechanical contact between the connector and the printed wiring board is to be judged in the end-use equipment.
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 max temperature of 65°C.

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8A. The AMPLIMITE .050 Connectors may be provided with optional rails, latching blocks, and hardware that have not been evaluated.

9. The optional accessories (such as strain relief, pull tabs, shielding, keying plugs, polarizers, ground plane shields, communing strips, and/or retaining hardware) has not been evaluated and shall be judged in the end-use equipment.

10. The suitability of the mounting means shall be determined in the end-use.

11. The electrical and mechanical contact between the connector and the ribbon cable is to be judged in the end-use.