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Project 93ME39342

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REPORT

on

COMPONENT-RECEPTACLES FOR ATTACHMENT PLUGS AND PLUGS

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Harrisburg, PA

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## DESCRIPTION

## PRODUCT COVERED:

Z-PACK 2 mm HM Connector Series.

## GENERAL:

These devices are multipole two piece connectors employing male and female contact terminals for soldering or press fit to a printed wiring board.

## 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 current.
2. These devices have not been tested for current-carrying capability.
3. The placement of these devices within the equipment enclosure should be such that spacings between live parts and the equipment are suitable for the particular application.
4. The suitability of the min spacings, 0.76 mm (0.030 in), between live parts of opposite polarity, including adjacent poles, and between live parts and exposed dead metal parts shall be determined in the end use. Dielectric testing has not been performed.
5. The electrical and mechanical contact between the connector and the printed wiring board is to be judged in the end-use equipment.
6. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.
7. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials.
8. The suitability of the resistive coating applied to the tips of the signal pins for the "Quiet Mate" option shall be judged in the end-use equipment. No testing has been done to evaluate the durability or electrical performance of the coating.
9. **The suitability of the shield and its mounting to connector shall be determined in the end product.**