File E28476
Project 88ME16986

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REPORT

On

*COMPONENT – **CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER
APPLICATIONS**
PLUGS AND PLUGS

***Tyco Electronics Corp.
Middletown**, PA

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D E S C R I P T I O N

PRODUCT COVERED:

     Component Connectors - "AMPLIMITE" Connector Series.

GENERAL:

     These devices are multipole connectors employing contacts of the crimp
snap-in and solder cup contacts for discrete wire applications; insulation
displacement contacts for ribbon cable applications; and wire-wrap type
posts, solder posts and ACTION PIN (compliant pin) contacts for printed
circuit board applications.

     AMPLIMITE Connector Series may be provided with the following on-center
contact spacing: (0.109 in by 0.112 in), (0.082 in by 0.095 in) or (0.107 in
by 0.112 in) or (0.25 in).

     The AMPLIMITE Connector Series contacts and pins are for assembly onto
No. 18 to No. 32 AWG.

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 electrical and mechanical suitability of the wiring terminals
shall be determined in the end use. These devices have not been evaluated
for Conductor Sureness testing.

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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 suitability of the minimum 0.5mm for HDP-20 series, 1.62 mm (0.064 in) for other series spacings 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.

7.   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.

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

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

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 maximum temperature of **85°C.**

12.   Optional accessories (such as: cable clamps, diodes, electrostatic charge diode protection, EMI filters, filters, grounding indents, keying features, lead frames, metal shell, mounting ears, mounting screws, RFI filters, shields, strain reliefs) has not been evaluated and should be judged for the suitability in the end-use application.