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DESCRIPTION

PRODUCT COVERED:

Component Connector - AMPMODU Connector Series.

GENERAL:

These devices are multipole connectors employing solder terminals intended for soldering to a printed wiring board, or installation onto discrete wire.

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 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.

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 min 0.585 mm (0.023 in) 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.

Devices with 4.32 mm (0.170 in) spacings between live parts of opposite polarity (including adjacent poles) and between live parts and exposed deadmetal parts may be used at potentials not exceeding 600 Volts based on the spacings requirements of Paragraph 11.1 of UL 1977. Dielectric testing has not been performed.

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

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

9. The operating temperature of these devices should not exceed the temperature of the insulating materials. These materials may be used interchangeably at a max temperature of  $75^{\circ}$ C.

\*

\* 10. No Conductor Secureness Tests were performed. Crimp contacts should be evaluated in the end-use applications.

\* 11. Wire, size, type of insulation and connection for use in pin, receptacles and headers should be evaluated in the end-use applications.

\*

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12. Accessories (such as: hardware, detent windows, mounting ears, keying features, strain reliefs, paddle tie strain relief, detents, polarization features, lock and release features, covers, snap-on covers, paddle tie strain reliefs, shrouds, guide ribs, latches, hold down features, ejection latches, mounting eyelets, heat staking lugs, extraction slots and standoffs) have not been evaluated and should be investigated in the end-use application.

Insulating Materials

13. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

Cat. No.	Insulating Material (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, <sup>0</sup> C
g	A	0.41 mm	V-0	4	1	130	130

(#) - Code for Insulating Body Material.
@: This material is limited for use solely for the MTE Headers as described on Page 32/Fig. 27, Page 33/Fig. 28, and Page 53/Fig. 48 .

A. Tyco Raw Material (R/M) PN 1573235. 1. Dielectric strength (kV/mm): -2. CTI: 3

## Miscellaneous:

14. AMPMODU SERIES MOD II SINGLE and DOUBLE-ROW UNSHROUDED BREAKAWAY HEADERS may be supplied on continuous reels and not limited to the maximum number of poles detailed in this report.