

## DESCRIPTION

## PRODUCT COVERED:

Component Connectors - MTA 100 and MTA 156 Series.

## GENERAL:

1. The devices covered by this report are multi-pole receptacles, headers, and related contacts for use with printed wiring boards within electrical equipment submitted to Underwriters Laboratories Inc. where the use has been investigated and found to satisfy the Conditions of Acceptability.

	TYPE	VOLTAGE	CURRENT
*	MTA 100	250	5A
	MTA 156 (Edge Connectors)	600	5A
	MTA 156 (Header Assemblies)	600	7A
	MTA 156 (Posted Connectors)	600	7A
	MTA 156 (Quad Connectors)	600	8A

2. MTA connectors and header assemblies are shipped with contacts. Additionally, parts may be shipped partially loaded.

3. MTA connectors and header assemblies are available in various sizes, shapes, configurations, densities, colors and markings.

4. MTA header assemblies may be flat, straight, right angle, polarized, friction lock, shrouded or split back types.

5. MTA header assembly posts may be round or square, vary in length and thickness, and be straight or right angle.

6. MTA connectors may have locks, polarizing tabs, and may be closed-end or feed thru types.

7. MTA connectors may have post entry holes molded or machine closed for keying purposes.

## 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 circuit current.

2. The current carried by each pole shall be judged under the requirements applicable to the electrical equipment in which the devices are used with respect to operating temperatures.

3. 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.

\* 4. The adjacent poles for Series MTA 100 may be used at potentials not exceeding 250 volts based on the spacings requirements of Paragraph 11.1 of UL 1977. Dielectric testing has not been performed.

\* The adjacent poles for Series MTA 156 may be used at potentials of 600 volts based on the results of Dielectric testing per UL 1977, paragraph 17.

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 housings 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. These materials may be used interchangeably at a maximum temperature of 105°C.