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DESCRIPTION

PRODUCT COVERED:

Component Connector - AMP-LATCH Connector Series.

GENERAL:

These devices are multipole edgecard connectors and adapters employing contacts of solder termination type for soldering to a printed wiring board or attachment to ribbon cable. They have been investigated to UL 1977, the Standard for Component Connectors for Use in Data, Signal, Control and Power Applications.

Connector contact center lines may be one of the following:

- .100 in by .100 in receptacles, card edge, Euro latch
- .100 in by .100 in dip plugs
- .100 in by .300 in dip plugs
- .100 in by .600 in dip plugs
- .079 in by .079 in 2 mm
- .025 in by .025 in receptacle
- .050 in by .075 in receptacle, System 50, "PADDLE BOARD"

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in products 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 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.

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5. The suitability of the minimum 0.330 mm (0.013 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.
6. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use equipment.
7. The electrical and mechanical contact between the connector and the ribbon connector is to be judged in the end-use equipment.
8. AMP-LATCH connectors may provide optional accessories, such as: strain relief, pull tabs, keying plugs, polarizers, ground plane shields, three or four sided standoffs, commoning strips, retaining hardware, *electromagnetic interference shielding and termination printed circuit boards with covers. These optional accessories have not been evaluated.
9. The factory-assembled crimp contacts have been investigated for the following wire ranges and maximum tensile forces:

Wire Contact (lb)	Wire Range	Tensile Force
170433-1	26	2.2 lbs
170433-2	28	3.2 lbs
170437-3	20-24	8 lbs

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 75°C.
12. 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	RTI Str	Max Operating Temp, °C
ALL	A	1.27	V-0	2	0	140	140	140

(#) - code for insulation Body material

A. RM #704019

1. Dielectric strength (kv/mm) : 23
2. CTI : 3