

## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component Connector, Series Hermaphroditic Blade and Receptacle.

## GENERAL:

These devices are multi-pole connectors intended for factory assembly to printed wiring boards where the acceptability of combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3-M1987.

## RATINGS:

Contact Cat. No.	Wire Size (AWG)	Series	USR, CNR	Current, A	Voltage V
-	-	1954289, X-2106212-X, 2058703, 2154640, <b>2154889</b> , 2213288, - 2213289, 2213504, <b>2213613</b> , <b>2213614</b> , <b>2213615</b> , <b>2213616</b> , <b>2213617</b> , 2213716	USR, CNR	6	125
-	-	2106004	USR, CNR	6	400
2058301, 2058302, 2213373-1, 2213374-1	18, 20, 22	2058299, 2213709	USR, CNR	6	125

Disconnecting Use (see Sec Gen for required marking)

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

## Interruption of Current

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.

## Current-Carrying Capability and Current Ratings

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2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature and maximum temperature rise values tabulated below. Cat. No. 1954289 served to represent Series 2106212, 2058703, 2154640, 2213288, 2213289, 2213504, 2213716, **2154889, 2213613, 2213614, 2213615, 2213616, 2213617**. Cat. No. 2058299 represents Cat. No. 2213709.

Cat No.		Current, A	Max Temp., °C	Max. Temp. Rise, °C
1954289	USR, CNR	6	46.4	20.4
2058299	USR, CNR	6	48.0	23.0

## Insulating Materials

3. 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.

Series	Insulating Material (#)	Measured Minimum Thickness (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
1954289, X-2106212-X, 2058703, 2154640, 2213288, 2213289, 2213504, 2213716, <b>2154889, 2213613, 2213614, 2213615, 2213616, 2213617</b>	A	1.5	V-0	0	0	240	240	130
2106004	A	3.0	V-0	0	0	240	240	130
2058299, 2213709	B	0.63	V-0	3	0	120	140	120

(#) - Code for Insulating Body Material.

- A. Raw Material P/N - 704934  
 1. Dielectric strength (kV/mm): 45  
 2. CTI: 3
- B. Raw Material P/N - 703197  
 1. Dielectric Strength (kV/mm): -  
 2. CTI: 3

## Terminations

4. The suitability of the solder terminals shall be determined in the end-use.
5. The factory assembled contacts have been investigated for the following wire ranges and max tensile forces.

Part No.	Wire Range (AWG)	Tensile Force (lbf/N)
2058301, 2058302, 2213373-1, 2213374-1	18	20/89
2058301, 2058302, 2213373-1, 2213374-1	20 - 22	8/36