DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Series Inverted Through Board Connector **Cat. Nos. 2058129-1 and 2106091 followed by suffix 1 through 5.**

Note: Suffix 1 through 5 denotes the number of poles. See Ill 2 for details.

GENERAL:

These devices are multi-pole connectors of the surface mount type intended for factory assembly on 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, Second Edition.

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

ELECTRICAL RATINGS:

3 A,
50 V **(Inverted Through Board Cat. No. 2058129-1)**
70 V **(Inverted Through Board Series 2106091)**

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

2. These devices have been subjected to the Temperature test with the rated currents and maximum temperature rise values tabulated below.

Series		Current, A	Maximum Temperature, °C	Maximum Temperature Rise, °C
2058129-1	USR, CNR	3	45.9	20.9
2106091	USR, CNR	3	54.8	30

3. Cat. No. 2058129-1has been evaluated at a potential of 50 V based on the results of a Dielectric Voltage Withstand Test performed at 1100 V ac. Series 2106091has been evaluated at a potential of 70 V based on the results of a Dielectric Voltage Withstand Test performed at 1140 V ac.

Insulating Materials

4. The insulating materials used in these devices comply with the direct support requirements of UL 746C, the Standard for Polymeric Materials - Use in Electrical Equipment Evaluations.

5. 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 Operatir Temp, °(
*2058129-1	A	0.4	V-0	-	-	130	130	130
*2106091	A	**0.4**	**V-0**	-	-	130	130	130
*2106091	B	**0.4**	V-0	-	-	130	130	130
2058129-1	B	0.4	V-0	-	-	130	130	130

(#) - Code for Insulating Body Material.

A. Tyco Raw Material 1573413-4
   1. Dielectric strength (kV/mm): 34
   2. CTI: 3

B. Tyco Raw Material 704129-1
   1. Dielectric strength (kV/mm): 39
   2. CTI: 4

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