

DESCRIPTION

PRODUCT COVERED:

*USR, CNR, LED Socket, Solderless Type CM, Series 2106946-x and 2106947-x where x can be 1,2,3,4,5,6.

USR, CNR Cable Assembly Part No. 2058943 and 2154000-1.

GENERAL:

These devices are multi-pole connectors intended for factory 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.

RATINGS:

Model Nos.	Electrical Ratings
2106946-x, 2058943	30VDC, 500mA
2106947-x, 2154000-1	90VDC, 500mA

Disconnecting Use - see Sec Gen for required marking

NOMENCLATURE: The Series 2106946-x **and 2106947-x** where x can be 1, 2, 3, 4, 5, 6 are designated as follows:

Example: 2106946-x

I II

* I: - 2106946 **or 2106947** - series number

II: - x where x can be 1, 2, 3, 4, 5, 6.

Cat. Nos. 2106946-1, 2106946-3, 2106946-5 are identical to Cat. Nos. 2106946-2, 2106946-4, and 2106946-6 respectively except Cat. Nos. ending with -2, -4, and -6 are provided with optics latches. All connectors are similar except for angle of connection.

Cat. Nos. 2106947-1, 2106947-3, 2106947-5 are identical to Cat. Nos. 2106947-2, 2106947-4, and 2106947-6 respectively except Cat. Nos. ending with -2, -4, and -6 are provided with optics latches. All connectors are similar except for angle of connection.

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.

1. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.
2. A Temperature Test was performed on Model 2106946-6 mated with cable assembly 2058943 assembled to 24 AWG conductors.

A Temperature Test was performed on Model 2106947-6 mated with cable assembly 2154000-1 assembled to 24 AWG conductors

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	Flame Class	HWI	HAI	RTI Elec	RTI Str	Max Operating Temp, °C
2106946-x, 2106947-x	A	0.5 mm	V-0	4	3	130	130	130
2058943, 2154000-1	B	0.5 mm	V-0	4	3	130	130	130
	C	0.3 mm	V-0	-	-	130	65	130

(#) - Code for Insulating Body Material.

- A. Raw Material # 1573551-8
Dielectric strength (kV/mm): -
2. CTI: 2
- B. Raw Material # 1573716-3
Dielectric strength (kV/mm): -
CTI: 2
- C. Raw Material # 1573206
Dielectric strength (kV/mm): 28
CTI: 0

4. The enclosure of the device has live parts that may be exposed to user contact when the connector is energized. The device is suitable for use only within an acceptable enclosure.