

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connectors - Series PT Connector.

GENERAL:

These devices are multi-pole and edgecard connectors employing contacts of the solder termination type for use with printed circuit boards where the acceptability of the combination is determined by Underwriters Laboratories Inc.

ELECTRICAL RATING:

USR - No rating assigned.

CNR - 0.5 A, 29.9 V.

* USR - Indicates investigation to United States Standards UL 1977

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

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. The suitability of the mounting means shall be determined in the end use.
2. The acceptability of the grounding connection shall be determined by the end product use engineer.
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. Deleted

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5. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end use equipment.
6. The suitability of the insulating materials used in the molded bodies 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 max temperature of 130°C.
8. The PT connector may be provided with an accessory cover, PN 1761008-1, consisting of a shield with light guides that is secured over the connector to the pc board. Refer to Ill. 3. The suitability of this accessory cover shall be an end-product consideration.
9. 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	Max Operating Temp, °C
All (1)	A	0.24 mm	-	-	-	130	130
All (1)	B	0.24 mm	-	-	-	240	240
All (1)	C	0.24 mm	-	-	-	75	130
All (1)	D	0.24 mm	-	-	-	130	130
All (1)	E	0.24 mm	-	-	-	130	130
PT Conn., Stacked 2X1	F	0.24 mm	V-0	-	-	130	130
PT Connector PN 2214810	G	0.6 mm	V-0	-	-	130	130

(#) - Code for Insulating Body Material.

- A. Tyco Raw Material #704951
 - 1. Dielectric strength (kV/mm): -
 - 2. CTI: -
- B. Tyco Raw Material #704936.
 - 1. Dielectric strength (kV/mm): 21
 - 2. CTI: 3
- C. Tyco Raw Material #1573755.
 - 1. Dielectric strength (kV/mm): 27
 - 2. CTI: 3
- D. Tyco Raw Material #704967.
 - 1. Dielectric strength (kV/mm): -
 - 2. CTI: 4
- E. Tyco Raw Material #1573551.
 - 1. Dielectric strength (kV/mm): -
 - 2. CTI: 2
- F. Tyco Raw Material #1573878.
 - 1. Dielectric strength (kV/mm): 39
 - 2. CTI: 4
- G. Tyco Raw Material #1573300
 - 1. Dielectric strength (kV/mm): 27
 - 2. CTI: 3

Note (1): All except PT Connector PN 2214810

10. The PT Connector Part No. 2214810 may be provided with an accessory cover, Cage/Hardware Assembly Part No. 2214830, consisting of heat sinks that are secured over the connector to the pc board. Refer to Ill. 11. The suitability of this accessory cover shall be an end-product consideration.