CERTIFICATE OF COMPLIANCE

Certificate Number	20160401-E28476
Report Reference	E28476-20160401
Issue Date	2016-APRIL-01
Issued to:	TYCO ELECTRONICS CORP 2901 FULLING MILL RD MIDDLETOWN PA 17057-3170
This is to certify that representative samples of	COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER APPLICATIONS Series AMP-MT-Edge Connector, Cat. No. 1-1703100-1.
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1977, Component Connectors for Use in Data, Signal, Control and Power Applications CAN/CSA C22.2 No. 182.3-M1987, Special Use Attachment Plugs, Receptacles, and Connectors
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component Connector, Series AMP-MT-Edge Connector, Cat. No. 1-1703100-1.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire sizes as indicated in the Ratings Table below where the acceptability of combinations is determined by UL LLC. 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:

Cat. Nos.	Voltage, Vdc	Ampere (A)	Conductor Sizes, AWG Str
1-1703100-1	600	6	18, 20

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 UL LLC.

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 and recorded temperature (adjusted to 25°C ambient) values tabulated below:

Housing Cat Nos.	Contact Cat. No.	Current, A	Maximum Temperature °C	
			Rise	Recorded Temperature
1-1703100-1	926917-1	6	20	45

3. These devices have been evaluated at potentials of 600 V based on the results of a Dielectric Voltage Withstand Test at 2200 V.

Insulating Materials

4. 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, ^{0}C
1-1703100-1	A	0.8 mm	V-2	4	0	130	130

Note:

(#) – Code for Insulating Body Material.

A. Tyco Raw Material # RM #705304
1. Dielectric strength (kV/mm): -
2. CTI: 2

Miscellaneous

5. For PCB edge connectors not employing an integral keying feature, the construction and/or mating orientation shall be of such a design that the polarization cannot be defeated by improper assembly during installation in the end product.