CERTIFICATE OF COMPLIANCE

Certificate Number	20140514-E28476
Report Reference	E28476-20061021
Issue Date	2014-MAY-14
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 See addendum page
	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
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

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

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

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 Recognized Component Mark on the product.

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Component Connector, Series Model(s) DTM, followed by 13 or 15, followed by 2, 3, 4, 6, 08, or 12, followed by P or S. May be followed by suffixes denoting minor variations.

William R. Carney

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File E28476
Service Request: 1181364

October 21, 2006

REPORT

on

COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER APPLICATIONS

TYCO ELECTRONICS CORP
MIDDLETOWN, PA

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DESCRIPTION

PRODUCT COVERED:

USR Component Connector, Series Model(s) DTM, followed by 13 or 15, followed by 2, 3, 4, 6, 08, or 12, followed by P or S. May be followed by suffixes denoting minor variations.

GENERAL:

These devices are multi-pole connectors intended for factory assembly soldered to PWB 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.

RATINGS:

Series	Type Contact	Amperage	Voltage, Vac
DTM	PWB solder tails	7.5	250

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE 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 - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. These devices have not been tested for interrupting the flow of current by connecting or disconnecting the mating connector. These devices should be used only where they will not interrupt the flow of current.

2. The current rating was determined based upon similarity to same construction, except for solder connectors.

3. These devices may be used at potentials not exceeding 250 V based on Dielectric Voltage-Withstand testing conducted at 1500 V ac.

4. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials, a maximum temperature of 65°C **when employing plastic** TE Proprietary Information

5. Mold Stress Relief testing was conducted at a temperature of 75°C **when employing plastic** TE Proprietary Information

6. 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, ºC
DTM housing	A	0.5 mm	(+)	(++)	(++)	120	65
DTM Housing	B	0.5 mm	V-0	0	0	140	125

Note:

(#) – Code for Insulating Body Material.
(+): Thickness is less than the minimum Recognized material thickness, as such no assigned Flame class. UL 746C (12mm) (20mm) Flammability test conducted.
(++): These PLCs are based on the minimum Recognized material thickness.

A. TE Proprietary Information

1. Dielectric strength (kV/mm): -
2. CTI: -

B. TE Proprietary Information

1. Dielectric strength (kV/mm): 23
2. CTI: 2

Nomenclature - The Series are designated as follows:

DTM Series Example

Example:	DTM	13	-	3	S	*****
	I	II		III	IV	V

I: - Series Prefix
DTM only

II: - Type Enclosure

13 – Receptacle right angle and outlets (Female)
15 – Receptacle (Female)+ outlet

III: - Number of Contacts, maybe 2, 3, 4, 6, 08, or 12.

IV: - Contact Type
P - Pin

V: - Polarizing position (if applicable, 08 & 12 Only)
And /or minor order variations not affecting construction as described herein.