

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-2003439-1  
**Report Reference** 40TE28476-20160411  
**Date** 17-May-2021

**Issued to:** TYCO Electronics Corp  
2901 Fulling Mill Rd Middletown, PA  
United States 17057

**This is to certify that  
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and  
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the  
component requirements in the Standard(s) indicated on  
this Certificate. UL Recognized components are incomplete  
in certain constructional features or restricted in  
performance capabilities and are intended for installation in  
complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** UL 1977, 3rd Ed., Issue Date: 2016-01-07, Revision Date:  
2019-08-07

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark.  
Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified  
and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



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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

<b>Model</b>	<b>Category Description</b>
2600022	Connectors
2600023	Connectors
2600026	Connectors
2600027	Connectors
2600030	Connectors
2600031	Connectors
2600034	Connectors
2600035	Connectors
2600038	Connectors
2600039	Connectors
2600042	Connectors
2600043	Connectors
2600046	Connectors
2600047	Connectors
DT-XT	Component Connector



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File E28476  
Project 4789554272

April 11, 2016

REPORT

On

COMPONENT - Connectors for Use in Data, Signal, Control and Power  
Applications - Component

TYCO Electronics Corp  
2901 Fulling Mill Rd  
Middletown PA 17057

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## DESCRIPTION

## PRODUCT COVERED:

\*USR - Component Connector, **DT-XT** Series

USR - Component Connector, **Plugs**, Cat. Nos. 2600022, 2600026, 2600030, 2600034, 2600038, 2600042, 2600046, **93445 series**

**USR - Component Connector, Receptacles**, 2600023, 2600027, 2600031, 2600035, 2600039, 2600043, 2600047, **93444 series**

USR indicates investigation to United States Standards, UL 1977.

## GENERAL:

These devices are multi-pole connectors as indicated in Ratings table below where the acceptability of combinations is determined by UL LLC. The devices are identified as follows:

The following Cat. Nos. are identical to the series and constructions indicated below, including all seals and colors.

\*

Original Series No.	Alternate Cat. No.	Construction
93444	2600022	2 Pin Receptacle
93444	2600026	3 Pin Receptacle
93444	2600030	4 Pin Receptacle
93444	2600034	6 Pin Receptacle
93444	2600038	8 Pin Receptacle
93444	2600042	12 Pin Receptacle
93444	2600046	18 Pin Receptacle
93445	2600023	2 Pin Plug
93445	2600027	3 Pin Plug
93445	2600031	4 Pin Plug
93445	2600035	6 Pin Plug
93445	2600039	8 Pin Plug
93445	2600043	12 Pin Plug
93445	2600047	18 Pin Plug
84524	2600020	Pin Terminal
84525	2600021	Socket Terminal

## RATINGS:

Series	Voltage Vac/Vdc	Ampere (A)	Conductor Sizes, AWG Str
93444, 93445	-	-	-

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 not been subjected to the Temperature test and as a result do not have an assigned current rating. The device's current carrying capability is to be reviewed in the end-use by measuring temperatures on the connector housing and/or terminals when current is flowing through the connector under conditions of normal use.

Insulating Materials

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.

Cat. No.	Insulating Material (#)	Part	Measured Minimum Thickness, mm	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C	Maximum Regrind %
93444	A	Housing	0.4 +	-	-	-	-	65 *	25
93445	A	Housing	0.4 +	-	-	-	-	65 *	25
93444	B	DT Wedge (++)		-	-	-	75*	75*	100 (+++)
93445	B	DT Wedge (++)		-	-	-	75*	75*	100 (+++)
93444	B	DT-XT Wedge (++)		-	-	-	75*	75*	100 (+++)
93445	B	DT-XT Wedge (++)		-	-	-	75*	75*	100 (+++)

Note:

(#) - Code for Insulating Body Material.

(+): Thickness is less than the minimum Recognized material thickness, as such no assigned Flame class.

(\*): Generic temperature rating used.

(+++): These materials are being used above the regrind percentage allowed by their Component Recognition. These will default to their generic RTI values.

(++): These materials will use QMQS2 Recognized Color Concentrates at the let-down ratios specified in the table below.

Material Manufacturer	Grade Designation	Color Concentrate Manufacturer	Concentrate Designation	Colors	Maximum LDR
TE Proprietary Information				OR	1:33.33

\*

- A. TE Proprietary Information  
 TYCO Raw Material#: 1573739  
 1. Dielectric strength (kV/mm): --  
 2. CTI: --
- B. TE Proprietary Information  
 1. Dielectric strength (kV/mm): --  
 2. CTI: --

#### Mating Connectors

4. These devices have only been assessed for use with specific types of connectors within their product family. They have not been assessed to operate with any other similar devices from any other manufacturer.

#### Termination

5. The following crimp contacts have been evaluated for the wire sizes as tabulated below:

Terminal Part No.	Wire Size, AWG	Pull Force, lbf
1060-14-0122	14 - 18	20
1060-16-0122	14 - 18	20
1060-16-0622	16	20
1060-16-0622	20	8

All other crimp connections have not been evaluated and should be evaluated in the end product.