Certificate of Compliance

Certificate Number:

UL-US-L28476-14-62706102-8

Report Reference:

E28476-20160726

Issue Date:

2024-03-26

Issued to:

TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

This certificate confirms 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 evaluated 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.

UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance 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.

David Piecuch
UL Mark Certification Program Manager

UL Solutions

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-L28476-14-62706102-8
Report reference E28476-20160726
Date 2024-03-26

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

Model	Product Description
Series AMP Superseal 1.0, 1-1447232-7	Connectors
Series AMP Superseal 1.0, 1376886-1	Connectors
Series AMP Superseal 1.0, 1473416-1	Connectors
Series AMP Superseal 1.0, 1473416-2	Connectors
Series AMP Superseal 1.0, 1473712-1	Connectors
Series AMP Superseal 1.0, 2-1437285-3	Connectors
Series AMP Superseal 1.0, 2-6437285-5	Connectors
Series AMP Superseal 1.0, 2-6437285-6	Connectors
Series AMP Superseal 1.0, 2-6437285-8	Connectors
Series AMP Superseal 1.0, 2-6437285-9	Connectors
Series AMP Superseal 1.0, 2-6447232-3	Connectors
Series AMP Superseal 1.0, 2-6447232-4	Connectors
Series AMP Superseal 1.0, 3-1437285-2	Connectors
Series AMP Superseal 1.0, 3-1437290-7	Connectors
Series AMP Superseal 1.0, 3-1437290-8	Connectors
Series AMP Superseal 1.0, 3-6437285-0	Connectors
Series AMP Superseal 1.0, 3-6437285-1	Connectors
Series AMP Superseal 1.0, 3-6437285-2	Connectors
Series AMP Superseal 1.0, 4-1437290-0	Connectors
Series AMP Superseal 1.0, 4-1437290-1	Connectors
Series AMP Superseal 1.0, 5-6447223-0	Connectors
Series AMP Superseal 1.0, 6437288-1	Connectors
Series AMP Superseal 1.0, 6437288-2	Connectors
Series AMP Superseal 1.0, 6437288-3	Connectors
Series AMP Superseal 1.0, 6437288-4	Connectors
Series AMP Superseal 1.0, 6437288-5	Connectors
Series AMP Superseal 1.0, 6437288-6	Connectors
Series AMP Superseal 1.0, 6473418-1	Connectors
Series AMP Superseal 1.0, 6473418-2	Connectors
Series AMP Superseal 1.0, 6473423-1	Connectors
Series AMP Superseal 1.0, 6473423-2	Connectors
Series AMP Superseal 1.0, 6473427-1	Connectors
Series AMP Superseal 1.0, 6473711-1	Connectors
Series AMP Superseal 1.0, 6473711-2	Connectors
Series AMP Superseal 1.0, 9-6437287-8	Connectors
Series AMP Superseal 1.0, 9-6437287-9	Connectors

David Piecuch
UL Mark Certification Program Manager

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at https://www.ul.com/contact-us.

Certificate of Compliance

Certificate Number:

UL-US-L28476-1116-62706102-5

Report Reference:

E28476-20160726

Issue Date:

2024-03-26

Issued to:

TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

This certificate confirms 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 evaluated 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.

UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information:
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Look for the UL Recognized Component Mark on the product.

David Piecuch
UL Mark Certification Program Manager

UL Solutions

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-L28476-1116-62706102-5
Report reference E28476-20160726
Date 2024-03-26

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Model	Product Description
Series AMP Superseal 1.0, 1-1447232-7	Connectors
Series AMP Superseal 1.0, 1376886-1	Connectors
Series AMP Superseal 1.0, 1473416-1	Connectors
Series AMP Superseal 1.0, 1473416-2	Connectors
Series AMP Superseal 1.0, 1473712-1	Connectors
Series AMP Superseal 1.0, 2-1437285-3	Connectors
Series AMP Superseal 1.0, 2-6437285-5	Connectors
Series AMP Superseal 1.0, 2-6437285-6	Connectors
Series AMP Superseal 1.0, 2-6437285-8	Connectors
Series AMP Superseal 1.0, 2-6437285-9	Connectors
Series AMP Superseal 1.0, 2-6447232-3	Connectors
Series AMP Superseal 1.0, 2-6447232-4	Connectors
Series AMP Superseal 1.0, 3-1437285-2	Connectors
Series AMP Superseal 1.0, 3-1437290-7	Connectors
Series AMP Superseal 1.0, 3-1437290-8	Connectors
Series AMP Superseal 1.0, 3-6437285-0	Connectors
Series AMP Superseal 1.0, 3-6437285-1	Connectors
Series AMP Superseal 1.0, 3-6437285-2	Connectors
Series AMP Superseal 1.0, 4-1437290-0	Connectors
Series AMP Superseal 1.0, 4-1437290-1	Connectors
Series AMP Superseal 1.0, 5-6447223-0	Connectors
Series AMP Superseal 1.0, 6437288-1	Connectors
Series AMP Superseal 1.0, 6437288-2	Connectors
Series AMP Superseal 1.0, 6437288-3	Connectors
Series AMP Superseal 1.0, 6437288-4	Connectors
Series AMP Superseal 1.0, 6437288-5	Connectors
Series AMP Superseal 1.0, 6437288-6	Connectors
Series AMP Superseal 1.0, 6473418-1	Connectors
Series AMP Superseal 1.0, 6473418-2	Connectors
Series AMP Superseal 1.0, 6473423-1	Connectors
Series AMP Superseal 1.0, 6473423-2	Connectors
Series AMP Superseal 1.0, 6473427-1	Connectors
Series AMP Superseal 1.0, 6473711-1	Connectors
Series AMP Superseal 1.0, 6473711-2	Connectors
Series AMP Superseal 1.0, 9-6437287-8	Connectors
Series AMP Superseal 1.0, 9-6437287-9	Connectors

David Piecuch
UL Mark Certification Program Manager

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Certificate of Compliance

Certificate Number:

UL-US-2244980-2

Report Reference:

E28476-20160726

Issue Date:

2024-03-26

Issued to:

TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

This certificate confirms 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 evaluated 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.

UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information:
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Look for the UL Recognized Component Mark on the product.

David Piecuch
UL Mark Certification Program Manager

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2244980-2
Report reference E28476-20160726
Date 2024-03-26

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

Model	Product Description
Series AMP Superseal 1.0, 1-1447232-7	Connectors
Series AMP Superseal 1.0, 1376886-1	Connectors
Series AMP Superseal 1.0, 1473416-1	Connectors
Series AMP Superseal 1.0, 1473416-2	Connectors
Series AMP Superseal 1.0, 1473712-1	Connectors
Series AMP Superseal 1.0, 2-1437285-3	Connectors
Series AMP Superseal 1.0, 2-6437285-5	Connectors
Series AMP Superseal 1.0, 2-6437285-6	Connectors
Series AMP Superseal 1.0, 2-6437285-8	Connectors
Series AMP Superseal 1.0, 2-6437285-9	Connectors
Series AMP Superseal 1.0, 2-6447232-3	Connectors
Series AMP Superseal 1.0, 2-6447232-4	Connectors
Series AMP Superseal 1.0, 3-1437285-2	Connectors
Series AMP Superseal 1.0, 3-1437290-7	Connectors
Series AMP Superseal 1.0, 3-1437290-8	Connectors
Series AMP Superseal 1.0, 3-6437285-0	Connectors
Series AMP Superseal 1.0, 3-6437285-1	Connectors
Series AMP Superseal 1.0, 3-6437285-2	Connectors
Series AMP Superseal 1.0, 4-1437290-0	Connectors
Series AMP Superseal 1.0, 4-1437290-1	Connectors
Series AMP Superseal 1.0, 5-6447223-0	Connectors
Series AMP Superseal 1.0, 6437288-1	Connectors
Series AMP Superseal 1.0, 6437288-2	Connectors
Series AMP Superseal 1.0, 6437288-3	Connectors
Series AMP Superseal 1.0, 6437288-4	Connectors
Series AMP Superseal 1.0, 6437288-5	Connectors
Series AMP Superseal 1.0, 6437288-6	Connectors
Series AMP Superseal 1.0, 6473418-1	Connectors
Series AMP Superseal 1.0, 6473418-2	Connectors
Series AMP Superseal 1.0, 6473423-1	Connectors
Series AMP Superseal 1.0, 6473423-2	Connectors
Series AMP Superseal 1.0, 6473427-1	Connectors
Series AMP Superseal 1.0, 6473711-1	Connectors
Series AMP Superseal 1.0, 6473711-2	Connectors
Series AMP Superseal 1.0, 9-6437287-8	Connectors
Series AMP Superseal 1.0, 9-6437287-9	Connectors

David Piecuch
UL Mark Certification Program Manager

CERTIFICATE OF COMPLIANCE

Certificate number	UL-US-2244980-2
Report reference	E28476-20160726
Date	2024-03-26

David Piecuch
UL Mark Certification Program Manager

File E28476
Project 4787497776

July 29, 2016

REPORT

On

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

Tyco Electronics Corp
Middletown, PA

DESCRIPTION

PRODUCT COVERED:

USR, Component Connector, Series AMP Superseal 1.0

* Cat. Nos. **2-6437285-8, 2-6437285-9, 5-6447223-0, 6437288-4, 6437288-6, 6473418-1, 6473418-2, 6473423-1, 6473423-2, 6473711-1, 6473711-2, 9-6437287-8, 9-6437287-9, 2-6437285-5, 2-6437285-6, 2-6447232-3, 2-6447232-4, 3-6437285-0, 3-6437285-1, 6437288-1, 6437288-2, 3-6437285-2, 6437288-3, 6437288-5, 6473427-1, 1-1447232-7, 1473416-1, 1473416-2, 1473712-1, 2-1437285-2, 3-1437290-7, 3-1437290-8, 2-1437285-3, 3-1437290-9, 4-1437290-0, 4-1437290-1, 1376886-1**

GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire and printed wiring boards where the acceptability of combinations is determined by UL LLC. The devices are identified as follows:

* USR indicates investigation to United States **requirements as noted in the Test Record.**

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 (#)	Measured Minimum Thickness	Flame Class	HWI	HAI	RTI Elec	Max Operating Temp, °C
Plug Housing	A	0.5 mm	-	-	-	120	110
	E	0.5 mm	V-0	4	1	120	110
	F	0.5 mm	V-0	-	-	130	110
	G	0.5 mm	-	4	0	200	110
Initial Lock	C	0.8 mm	-	-	-	120	110
	D	0.8 mm	-	-	-	120	110
	H	0.8 mm	V-0	2	0	130	110
Final Lock	B	0.5 mm	-	-	-	110	110
	I	0.5 mm	-	3	1	140	110
Header	B	0.5 mm	-	-	-	110	110

Note:

(#) – Code for Insulating Body Material.
(+): Thickness is less than the minimum Recognized material thickness, as such no assigned Flame class.
(++): These PLCs are based on the minimum Recognized material thickness.

A. [redacted]
1. Dielectric strength (kV/mm): 33
2. CTI: 2

B. [redacted]
1. Dielectric strength (kV/mm): 25
2. CTI: 3

C. [redacted]
1. Dielectric strength (kV/mm): -
2. CTI: 3

D. [redacted]
1. Dielectric strength (kV/mm): 29
2. CTI: 3

E. [redacted]
1. Dielectric Strength (kV/mm): 39
2. CTI: 2

F. [redacted]
1. Dielectric Strength (kV/mm): -
2. CTI: 4

G [redacted]
1. Dielectric Strength (kV/mm): -
2. CTI: 4

H. [redacted]
1. Dielectric Strength (kV/mm): 32.55
2. CTI: 2

I. [redacted]
1. Dielectric Strength (kV/mm): 32
2. CTI: 3

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

Pin/Contact	Wire Size, mm^2	Force, lbf
3-1447221-3	0.5	10
3-1447221-3	0.75	20
3-1447221-3	1.25	20