CERTIFICATE OF COMPLIANCE

Certificate Number 20180420-E28476

Report Reference E28476-20150829

Issue Date 2018-APRIL-20

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

Refer to Addendum page for Models/Product

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 - 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.

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 Certification Mark on the product.

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Bruce Mahrenholz, Director North American Certification Program

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.

USR, CNR Component Connector,

Cat. No. HDC, followed by –HE, followed by -006, -010, -016, -024, -032, -048, followed by M, F, MSS or FSS.

Cat. No. HDC, followed by -HE, followed by -016, followed by M, F, MSS or FSS, followed by 17-32.

Cat. No. HDC, followed by -HE, followed by -024, followed by M, F, MSS or FSS, followed by 25-48.

Cat. No. HDC, followed by -HES or -HEC, followed by -006, -010, -016, -024, -032 or -048, followed by M or F.

Cat. No. HDC, followed by -HE, followed by -010, followed by MSK or FSK.

Cat. No. HDC, followed by -HE, followed by -006, 010, 016, 024, followed by MS, FS, MC, FC.

Cat. No. HDC, followed by -HE, followed by -016, followed by MS, FS, MC, FC, followed by 17-32.

Cat. No. HDC, followed by –HE, followed by -024, followed by MS, FS, MC, FC, followed by 25-48.

Cat. No. HDC, followed by -HVE, -HVES or -HVEC, followed by -003, -006, -010, followed by M or F.

*Cat. No. HDC, followed by -HEE, followed by -010, -018, -032, -046, -064, -092, followed by M or F.

Cat. No. HDC, followed by –HEE, followed by -032, followed by M or F, followed by 33-64.

Cat. No. HDC, followed by -HEE, followed by -046, followed by M or F, followed by 47-92.

Cat. No. HEEE, followed by -020, -032, -040, -048, -064, -072, -080, -096, -128, -144, followed by -M or -F.

Cat. No. HEEE, followed by -040, followed by -M or -F, followed by 41-80.

Cat. No. HEEE, followed by -048, followed by -M or -F, followed by 49-96.

Cat. No. HEEE, followed by -064, followed by -M or -F, followed by 65-128.

Cat. No. HEEE, followed by -072, followed by -M or -F, followed by 73-144.

Cat. No. HDC, followed by -HEAV, followed by -006, -010, -016, -024, followed by M, F, MS, FS.

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Bruce Mahrenholz, Director North American Certification Program

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