# CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L134282-21-91210991-4

**Report Reference** E134282-19901219

Date 19-Oct-2022

Issued to: HIROSE ELECTRIC CO., LTD.

2-6-3 NAKAGAWA CHUOH

TSUZUKI-KU YOKOHAMA-SHI, KANAGAWA 224-8540

Japan

This is to certify that representative samples of

DUXR2 - Communications-, Audio/Video-, Data- and Other

Signaling-circuit Accessories - 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.

Standard(s) for Safety: UL 1863, 4th Ed, Issue Date: 2004-05-14, Revision Date:

2019-10-14

Additional Information: See the UL Online Certifications Directory 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.





# CERTIFICATE OF COMPLIANCE

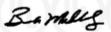
Certificate Number UL-US-L134282-21-91210991-4

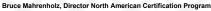
**Report Reference** E134282-19901219

Date 19-Oct-2022

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

Model	Category Description
CTBX-MJ (+)	Modular adapters
TM (#)	Modular Jacks
TM (*)	Modular Plugs
TM11RX-5M2-88 (a)	Modular Jacks
TM11RX-5M2-88-LP(02) (a)	Modular Jacks





UL LLC



# File E134282 Project 90NK15175

December 19, 1990

REPORT

on

### COMPONENT - COMMUNICATION CIRCUIT ACCESSORIES

Hirose Electric Co., Ltd. Kohoku-Ku, Yokohama, Japan

Copyright C 1990 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above named company to reproduce that portion of this Report consisting of this Cover Page through Page 1.

File E134282 Vol. 1 Sec. 1 Page 1 Issued: 1990-12-19 and Report Revised: 2022-10-14

#### DESCRIPTION

#### PRODUCT COVERED:

\* USR Modular jacks, Part Nos. TM, followed by 1, 2, 3, 5, 11, 13 or 18, may be followed by a letter, followed by RX, RAX, RBX, RCX, REX, REAX, RUX, RA1X, RCVX, RDAX, RE1X, RE2X, RE2VX, RE3X, RE3VX, RFX, RF1X, RGVX, RJX, RJ1X, RJ2X, RJ3X, RLX, RN2VX, RSAX, RSBX, RUX, RU1X, or RVX, followed by 3\*, 5\*, 5N2, M2, 5M2 or blank, followed by 88 or blank, followed by LDNA, LP or LPO, followed by DIR or blank or by followed by suffixes denoting size, number of contacts (e.g.:88, 1806), may be followed by 2.5DS and/or customer preferences.

\* is reference number, alphabetical character
See ILL. 1 for details

- USR Modular Plugs, Part Nos. TM, followed by 3, 4, 8, 11, 11A, or 23, followed by PX, followed by suffixes denoting size, number of contacts and/or customer preferences.
- USR Modular adapter, Part No. CTBX-MJ, followed by -6\*S or -88S, where suffix \* may be any number denoting number of contacts and/or customer preference.

#### TECHNICAL CONSIDERATIONS:

The modular jacks, plug and modular adapter described in this Report are constructed of a R/C plastic housing, R/C wires and gold plated contact pins. The modular plug, jack and adapter are intended for use in the Listed telephone or Ethernet terminals/systems. The difference between the jack and plug assemblies are the configuration of the housing and the use of the connector itself.

USR indicates evaluation to UL 1863, Standard for Communications-Circuit Accessories,  $4^{\rm th}$  Edition, dated May 14, 2004, including revisions through September 15th, 2016.

#### CONDITIONS OF ACCEPTABILITY:

The telephone jacks are component devices which have been evaluated for current limiting telephone circuits not exceeding 500 mA. Each device is only intended for ordinary indoor locations where the acceptability of the combination is determined by Underwriters Laboratories Inc.

## RATINGS:

The units are intended for telephone circuits operating at 500 mA or less and a maximum  $56.5~\rm V$  dc, ringing voltage not to exceed  $150~\rm V$  rms or may be intended for use in Ethernet data loop systems.

Modular Jack , Models TM11RX-5M2-88, TM11RX-5M2-88-LP, TM11RX-5M2-88-LPO-DIR and TM11RX-5M2-88-DIR are rated for 1 A and a maximum of 56.5V dc, intended for indoor use on a communication loop circuit that has been isolated from the Public Switch Telephone Network.