

File E207943

Project 4788825584

January 20, 2019

REPORT

on

Component - Audio/Video, Information and Communication Technology Equipment

INNOLUX CORP
160 KESYUE RD JHUNAN SCIENCE PARK
MIAOLI HSIEN, TAIWAN

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UL TEST REPORT AND PROCEDURE

*Standard:	UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements)
Certification Type:	Recognized Component
CCN:	AZOT2, AZOT8 (Components – Audio/Video, Information and Communication Technology Equipment)
Complementary Certification CCN:	N/A
Product:	LCD Module
Model:	R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions)
*Rating:	(Optional) 12.6Vdc max., 1.5A max. or 13.2Vdc max., 1.1A max. (for LCD Panel) 26.4Vdc max., 3.4A max. or 13.2Vdc max., 3.3A max. (for DC to DC converter)
Applicant Name and Address:	INNOLUX CORP 160 KESYUE RD JHUNAN SCIENCE PARK MIAOLI HSIEN 350 TAIWAN

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL

Prepared by: Don Wu

Reviewed by: Nike Huang

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report
- C. Listing Mark/Recognized Component Mark Data Page - details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

The equipment under test (EUT) is a building-in type LCD Module supplied by ES1 and intended to build into audio/video, information and communication technology equipment. Electric components are mounted on PWB incorporated with a 21.3 inch TFT-LCD panel with a LED backlight unit, panel control board and DC/DC converter board.

Model Differences

All models are identical to each other except for model designation.

Test Item Particulars (NOT FOR FIELD REPRESENTATIVE'S USE)

Classification of installation and use by	☐ Ordinary person ☐ Instructed person ☐ Skilled person ☐ Children likely to be present
Supply Connection	☐ pluggable equipment ☐ type A ☐ type B ☐ permanent connection ☐ detachable power supply cord ☐ non-detachable power supply cord ☒ not directly connected to the mains
Equipment mobility	☐ movable ☐ hand-held ☐ transportable ☐ stationary ☒ for building-in ☐ direct plug-in ☐ rack-mounting ☐ wall-mounted
Over voltage category (OVC)	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☒ other: <u>not directly connected to the mains</u>
Fundamental Frequency	☐ 50/60 Hz ☐ 50 Hz ☐ 60 Hz ☐ other_50-60_Hz
Class of equipment	☐ Class I ☐ Class II ☒ Class III ☐ Not classified
Access location	☐ restricted access location ☒ N/A
Pollution degree (PD)	☐ PD 1 ☒ PD 2 ☐ PD 3
IP protection class	☒ IP X0 ☐ IP ____
Tested for IT power systems	☐ Yes ☒ No
IT testing, phase-phase voltage (V)	☐ ____ ☒ N/A
Altitude during operation (m)	☒ Up to 2,000 ☐ Up to <u>5000</u>
Altitude of test laboratory (m)	☒ Less than 2,000 ☐ Approximately ____
Mass of equipment (kg)	Max. 3.46 kg

Technical Consideration (NOT FOR FIELD REPRESENTATIVE'S USE)

The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 50 degree C.

LEDs provided in the product are considered low power devices: Yes.

The unit is intended for build-in and supplied by a D.C. source (ES1 and PS3) which is separated from

A.C. mains by double or reinforced insulation.

The load conditions used during testing: the unit operated continuously with a full white pattern under the maximum brightness and contrast of the LCD backlight circuit.

All the tests are evaluated at input voltage 12.6Vdc max. or 13.2Vdc max. (for LCD panel) and 26.4Vdc max. or 13.2Vdc max. (for D/D Converter).

[X] Engineering Conditions of Acceptability (NOT FOR FIELD REPRESENTATIVE'S USE)

For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC. When installed in an end-product, consideration must be given to the following:

Safeguards for electrically-caused injury (for ES), electrically-caused fire (for PS), mechanical caused injury (for MS) and thermal burn injury (for TS) should be considered and evaluated in end product investigation.

The accessibility for ordinary person shall be evaluated in the end product.

The suitable Symbol/Markings/Instruction and Manual should be evaluated in end product investigation.

The following end-product enclosures are required: Mechanical, Fire, Electrical.

The heating test shall be conducted in the end-use product.

The power supply terminals and/or connectors are: Suitable for factory wiring only.

Additional Information

4789474767

(1) Add one source of panel control board (N).

(2) Add one source of DC/DC converter board (G).

4789721271

(1) Add one source of DC/DC converter board (H).

4789474767

(1) Add three sources of panel control board (Q), (R), (S).

4790866601

(1) Add one source of panel control board (T).

4791309893

(1) Add one source of panel control board (U).

(2) upgrade LCD panel rating 13.2 Vdc, 0.42A to 13.2 Vdc, 1.1A.

4791375078

(1) Add one source of panel control board (V).

4791726323

(1) Add one source of panel control board (W).

4791769477

(1) Add one source of panel control board (X), (Y).

Additional Standard

The product fulfils the requirements of: N/A

Markings, instructions and instructional safeguards						
Clause Title		Marking or Instruction Details				
		English			French	
Equipment identification marking – Manufacturer identification		Listee's or Recognized company's name, Trade Name, Trademark or File Number				
Equipment identification marking – model identification		Model Number				
Special Instructions to UL Representative						
N/A						
Production-Line Testing Requirements						
<u>Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.</u>						
Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
N/A						
<u>Earthing Continuity Test Exemptions - This test is not required for the following models:</u>						
All models in this report						
<u>Electric Strength Test Exemptions - This test is not required for the following models:</u>						
All models in this report						
<u>Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:</u>						
N/A						
<u>Sample and Test Specifics for Follow-Up Tests at UL</u>						
Model	Component	Material	Test	Sample(s)	Test Specifics	
N/A						

4.1.2	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
01. LCD Panel	--	--	21.3 inch, TFT- LCD, LED Backlight	--	--	
02. Printed Wiring Board	Interchangeable	Interchangeable	V-1 minimum, 105 degree C minimum	ZPMV2	UL	
03. Plastic Material of Flexible Printed Wiring (Optional)	Interchangeable	Interchangeable	Rated V-2 minimum or VTM-2 minimum, when no components mounted on surface	QMFZ2, QMTS2	UL	
03a. Flexible Printed Wiring (Optional) (Alternate)	Interchangeable	Interchangeable	Rated V-2 minimum or VTM-2 minimum, when no components mounted on surface	ZPXK2, ZPMV2	UL	
03b. Flexible Printed Wiring (Optional) (Alternate)	Interchangeable	Interchangeable	If components mounted on surface, it should be minimum V-1 or VTM-1, 105 degree C minimum	ZPXK2, ZPMV2	UL	
03c. Flexible Printed Wiring with Integrated circuit package (Optional) (Alternate)	--	--	Flammability level is ignored, When small parts (4g max. or 1750 mm ³ maximum.) or by a solid barrier of V-0 or VTM-0 class material	--	--	--
04. Internal Plastic (Optional)	Interchangeable	Interchangeable	Rated V-2 minimum or VTM-2 minimum	QMFZ2	UL	
04a. Internal Plastic (Optional) (Alternate)	--	--	Flammability level is ignored, when small parts (4g max. or 1750mm ³ max.)	--	--	
05. Decorative Part (Frame) (Optional)	Interchangeable	Interchangeable	Rated HB minimum.	QMFZ2	UL	
05a Decorative Part (Frame) (Optional) (Alternate)	--	--	Flammability level is ignored, when small parts (4g max. or 1750mm ³ max.)	--	--	
06. Connectors and Receptacles (Secondary)	Interchangeable	Metal/Plastic	Copper alloy pins housed in bodies of plastic rated V-2	QMFZ2	UL	

ES1 circuits)			minimum or VTM-2 minimum.			
06a. Connectors and Receptacles (Secondary ES1 circuits) (Alternate)	Interchangeable	Interchangeable	--	ECBT2	UL	
06b. Connectors and Receptacles (Secondary ES1 circuits) (Alternate)	--	--	Flammability level is ignored, when small parts (4g max. or 1750mm ³ max.) are mounted on V-1 or VTM-1 class material	--	--	
06c. Connectors and Receptacles (secondary ES1 circuits) (Alternate)	--	--	Flammability level is ignored, when small parts (4g max. or 1750mm ³ max.)	--	--	
07. Module Label (for R213ATE-LXX used)	Interchangeable	Interchangeable	85 degree C if min. Surface temperature no specified	PGDQ2, PGJI2	UL	
07a. Module Label (for others used)	Interchangeable	Interchangeable	80 degree C if min. Surface temperature no specified	PGDQ2, PGJI2	UL	

ENCLOSURES

<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Photographs	Figure-01	Overall front view
Photographs	Figure-02	Overall rear view
Photographs	Figure-03	Control board (A) top side
Photographs	Figure-04	Control board (A) bottom side
Photographs	Figure-05	DC to DC converter board (A) top side
Photographs	Figure-06	DC to DC converter board (A) bottom side
Photographs	Figure-07	Overall front view-1
Photographs	Figure-08	Overall rear view-2
Photographs	Figure-09	Overall rear view with control board (B) top side
Photographs	Figure-10	Overall rear view with control board (B) bottom side
Photographs	Figure-11	DC to DC converter board (B) top side
Photographs	Figure-12	DC to DC converter board (B) bottom side
Photographs	Figure-13	Overall rear view
Photographs	Figure-14	Control board (C) top side
Photographs	Figure-15	Control board (C) bottom side
Photographs	Figure-16	Overall rear view
Photographs	Figure-17	Overall rear view with control board (D) top side
Photographs	Figure-18	Overall rear view with control board (D) bottom side
Photographs	Figure-19	Overall rear view
Photographs	Figure-20	Control board (E) top side-1
Photographs	Figure-21	Control board (E) top side-2
Photographs	Figure-22	Control board (E) bottom side-2
Photographs	Figure-23	DC to DC converter board (C) top side
Photographs	Figure-24	DC to DC converter board (C) bottom side
Photographs	Figure-25	Overall rear view-1
Photographs	Figure-26	Overall rear view-2
Photographs	Figure-27	Overall rear view with control board (F) top side
Photographs	Figure-28	Overall rear view with control board (F) bottom side
Photographs	Figure-29	DC to DC converter board (D) top side
Photographs	Figure-30	DC to DC converter board (D) bottom side
Photographs	Figure-31	Overall rear view-1
Photographs	Figure-32	Overall rear view-2
Photographs	Figure-33	Overall rear view-3
Photographs	Figure-34	Overall rear view with control board (G) top side-1
Photographs	Figure-35	Overall rear view with control board (G) top side-2
Photographs	Figure-36	Overall rear view with control board (G) bottom side
Photographs	Figure-37	DC to DC converter board (E) top side
Photographs	Figure-38	DC to DC converter board (E) bottom side

Photographs	Figure-39	Overall rear view
Photographs	Figure-40	Overall rear view with control board (H) top side
Photographs	Figure-41	Overall rear view with control board (H) bottom side
Photographs	Figure-42	Overall rear view-1
Photographs	Figure-43	Overall rear view-2
Photographs	Figure-44	Overall rear view with control board (I) top side
Photographs	Figure-45	Overall rear view with control board (I) bottom side
Photographs	Figure-46	Overall rear view-1
Photographs	Figure-47	Overall rear view-2
Photographs	Figure-48	Overall rear view with control board (J) top side
Photographs	Figure-49	Overall rear view with control board (J) bottom side
Photographs	Figure-50	DC to DC converter board (F) top side
Photographs	Figure-51	DC to DC converter board (F) bottom side
Photographs	Figure-52	Overall rear view
Photographs	Figure-53	Overall rear view with control board (K) top side
Photographs	Figure-54	Overall rear view with control board (K) bottom side
Photographs	Figure-55	Overall rear view
Photographs	Figure-56	Overall rear view with control board (L) top side
Photographs	Figure-57	Overall rear view with control board (L) bottom side
Photographs	Figure-58	Overall rear view-1
Photographs	Figure-59	Overall rear view-2
Photographs	Figure-60	Overall rear view with control board (M) top side
Photographs	Figure-61	Overall rear view with control board (M) bottom side
Photographs	Figure-62	Overall rear view with control board (N) and DC to DC Converter board (G) -1
Photographs	Figure-63	Overall rear view with control board (N) and DC to DC Converter board (G) -2
Photographs	Figure-64	Overall rear view with control board (N) and DC to DC Converter board (G) -3
Photographs	Figure-65	Overall rear view with control board (N) and DC to DC Converter board (G) -4
Photographs	Figure-66	Overall rear view with control board (N) top side
Photographs	Figure-67	Overall rear view with control board (N) bottom side
Photographs	Figure-68	DC to DC Converter board (G) top side
Photographs	Figure-69	DC to DC Converter board (G) bottom side
Photographs	Figure-70	Overall rear view with DC to DC Converter board (H)
Photographs	Figure-71	DC to DC Converter board (H) top side
Photographs	Figure-72	DC to DC Converter board (H) bottom side
Photographs	Figure-73	Overall rear view with control board (O)
Photographs	Figure-74	Control board (O) top side
Photographs	Figure-75	Control board (O) bottom side
Photographs	Figure-76	Overall rear view
Photographs	Figure-77	Overall rear view with control board (P) top side

Photographs	Figure-78	Overall rear view with control board (P) bottom side.
Photographs	Figure-79	Overall rear view
Photographs	Figure-80	Overall rear view with control board (Q) top side
Photographs	Figure-81	Overall rear view with control board (Q) bottom side.
Photographs	Figure-82	Overall rear view
Photographs	Figure-83	Overall rear view with control board (R) top side
Photographs	Figure-84	Overall rear view with control board (R) bottom side.
Photographs	Figure-85	Overall rear view
Photographs	Figure-86	Overall rear view with control board (S) top side
Photographs	Figure-87	Overall rear view with control board (S) bottom side.
Photographs	Figure-88	Overall rear view
Photographs	Figure-89	Overall rear view with control board (T) top side
Photographs	Figure-90	Overall rear view with control board (T) bottom side.
Photographs	Figure-91	Overall rear view
Photographs	Figure-92	Overall rear view with control board (U) top side
Photographs	Figure-93	Overall rear view with control board (U) bottom side.
Photographs	Figure-94	Overall rear view
Photographs	Figure-95	Overall rear view with control board (V) top side
Photographs	Figure-96	Overall rear view with control board (V) bottom side.
Photographs	Figure-97	Overall rear view
Photographs	Figure-98	Overall rear view with control board (W) top side
Photographs	Figure-99	Overall rear view with control board (W) bottom side.
Photographs	Figure-100	Overall rear view
Photographs	Figure-101	Overall rear view with control board (X) top side
Photographs	Figure-102	Overall rear view with control board (X) bottom side.
Photographs	Figure-103	Overall rear view
Photographs	Figure-104	Overall rear view with control board (Y) top side
Photographs	Figure-105	Overall rear view with control board (Y) bottom side.

Test Record No. 1

Samples:

The manufacturer submitted representative production sample of LCD Module, models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATELXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions).

General:

Unless otherwise indicated, All tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-79832-UL, dated 2019-01-09, Test Report Ref. No. 345-00206-CB, dated 2019-01-04.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
--	1-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Timothy Lai

Project Engineer

Conformity Assessment Services

Reviewed by:

Vincent Lai

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 2

Samples:

The manufacturer submitted representative production sample of LCD Module, models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATELXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions).

General:

Employing as the following:

1. Add alternative sources of panel control board (K, L)
2. Modify Input Rated from 13.2Vdc max. 2.56A max to 13.2Vdc max 2.7A max (for DC/DC Converter)
3. Modify description from "Various" to "Interchangeable" in Table 4.1.2.
4. Update information of Flexible Printed Wiring in Table 4.1.2.
5. Update information of Connectors and Receptacles in Table 4.1.2.

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-79832-M1-UL, dated 2019-02-27, Test Report Ref. No. 345-00206-CB-1, dated 2019-02-21.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	2-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Cavy Chen

Engineer

Conformity Assessment Services

Reviewed by:

Daniel Hsueh

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 3

Samples:

The manufacturer submitted representative production sample of LCD Module, models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATELXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions).

General:

Employing as the following:

1. Add alternative sources of panel control board (M).

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-79832-M2-UL, dated 2020-01-07, Test Report Ref. No. 345-00206-CB-2, dated 2019-12-16.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	3-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Cavy Chen

Engineer

Conformity Assessment Services

Reviewed by:

Steven Huang

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 4

Samples:

The manufacturer submitted representative production sample of LCD Module, models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions) employing

- (1) Add one source of panel control board (N).
- (2) Add one source of DC/DC converter board (G).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-79832-M3-UL, dated 2020-05-15, Test Report Ref. No. 345-00206-CB-3, dated 2020-05-07.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	4-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Lily Su

Associate Project Engineer

Conformity Assessment Services

Reviewed by:

Daniel Hsueh

Operations Leader

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 5

Samples:

The manufacturer submitted representative production sample of LCD Module, models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing:

(1) Add one source of DC/DC converter board (H).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-105982-UL, dated 2020-11-19, Test Report Ref. No. 345-00342-CB, dated 2020-11-11.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	5-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Cavy Chen

Associate Project Engineer

Conformity Assessment Services

Reviewed by:

Daniel Hsueh

Operations Leader

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 6

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing:

- (1) Add one source of control board (O).
- (2) Update Input rating of DC to DC Converter circuit form 13.2Vdc max., 2.7A max. to 13.2Vdc max., 3.0A max.

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-105982-M1-UL, dated 2021-05-24, Test Report Ref. No. 345-00342-CB-1, dated 2021-05-19.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
5.4.1.4, 6.3.2, 9.0, B.2.6 TEMPERATURE MEASUREMENT	See CB Report
ANNEX B.2.5 INPUT TEST	See CB Report

The following supplements are provided as a part of this Test Record.
NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	6-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:

Steven Huang

Senior Project Engineer

Conformity Assessment Services

Reviewed by:

Denny Lin

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 7

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing:

(1) Add one source of control board (P).

(2) Add model R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-105982-M2-UL, dated 2022-04-20, Test Report Ref. No. 345-00342-CB-2, dated 2022-04-15.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	7-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA-C22.2 No.62368-1 2nd Edition, issued Date December, 2014, UL 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements, 2nd edition date December 1st, 2014. Any Information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Test Report by:
Don Wu
Engineer Project Associate
Conformity Assessment Services

Reviewed by:
Vincent Lai
Project Engineer
Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 8

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing:

(1) Upgrade Standard to UL 62368-1, 3rd Edition, 2019-12-13, and CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12.

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-126516-UL, dated 2022-04-20, Test Report Ref. No. 345-00453-CB, dated 2022-04-15.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	8-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 and UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Don Wu
Engineer Project Associate
Conformity Assessment Services

Reviewed by:

Vincent Lai
Project Engineer
Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 9

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add three sources of panel control board (Q), (R), (S).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-126516-M1-UL, dated 2023-04-06, Test Report Ref. No. 345-00453-CB-1, dated 2023-04-06.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	9-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 and UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Denny Lin

Senior Project Engineer

Conformity Assessment Services

Reviewed by:

Steven Huang

Senior Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 10

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add one source of panel control board (T).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-126516-M2-UL, dated 2023-06-15, Test Report Ref. No. 345-00453-CB-2, dated 2023-06-13.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	10-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 and UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Denny Lin

Senior Project Engineer

Conformity Assessment Services

Reviewed by:

Eddie Chen

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 11

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add one source of panel control board (U) and upgrade LCD panel rating.

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL International Demko A/S as detailed under Test Certif. Ref. No. DK-126516-M3-UL, dated 2024-05-24, Test Report Ref. No. 345-00453-CB-3, dated 2024-05-22.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	11-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 and UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Terence She

Senior Project Engineer

Conformity Assessment Services

Reviewed by:

Vincent Lai

Project Engineer

Conformity Assessment Services

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc.

Test Record No. 12

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add one source of panel control board (V).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL Solutions (Demko) as detailed under Test Certif. Ref. No. DK-154859-UL, dated 2024-07-02, Test Report Ref. No. ISL-24LS0239CBC, dated 2024-06-27.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	12-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of Audio/video, information and communication technology equipment - Part 1: Safety requirements CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 and UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, Information and Communication Technology Equipment - Part 1: Safety Requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Denny Lin

Senior Project Engineer

Conformity Assessment Services

Reviewed by:

Max Ma

Senior Project Engineer

Conformity Assessment Services

Test Record No. 13

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add one source of panel control board (W) and update standard to UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) , CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements).

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL Solutions (Demko) as detailed under Test Certif. Ref. No. DK-154859-M1-UL, dated 2025-04-14, Test Report Ref. No. ISL-24LS0239CBC-1 issued on 2025-04-10.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	13-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) , CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Don Wu

Project Engineer

Conformity Assessment Services

Reviewed by:

Nike Huang

Senior Project Engineer

Conformity Assessment Services

Test Record No. 14

Samples:

The manufacturer submitted representative production sample of LCD Module, Models R213TFE-LXX, R213RFE-LXX, R213UCE-LXX, R213ATE-LXX, R213TCE-LXX, R213RCE-LXX (X=0-9, A-Z or blank, X for marketing purpose and no impact safety related critical components and constructions), employing add sources of panel control board (X), (Y) and update rating.

General:

Unless otherwise indicated, all tests were conducted by INTERNATIONAL STANDARDS LABORATORY (ISL) under the CB Scheme of UL Solutions (Demko) as detailed under Test Certif. Ref. No. DK-154859-M2-UL, dated 2025-05-08, Test Report Ref. No. ISL-24LS0239CBC-2 issued on 2025-05-07.

Test results reported relate only to the items tested.

The following tests were conducted:

Test	Testing Location/Comments
--	--

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following tests were waived:

Test	Rationale for Waiving
See CB Report	See CB Report

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Attachment	14-01	CRD

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the U.S. and Canadian (Bi-National) Standard for Safety of UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) , CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements) and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Test Report by:

Don Wu

Project Engineer

Conformity Assessment Services

Reviewed by:

Nike Huang

Senior Project Engineer

Conformity Assessment Services

CONCLUSION

Samples of the product covered by this Report have been found to comply with the requirements covering the class and the products are judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the Laboratories' Mark on such products which comply with the Follow-Up Service Procedure and any other applicable requirements of Underwriters Laboratories Inc. Only those products which properly bear the Laboratories' Mark are considered as Listed by Underwriters Laboratories Inc.

Report by:
Timothy Lai
Project Engineer
Conformity Assessment Services

Reviewed by:
Daniel Hsueh
Project Engineer
Conformity Assessment Services

Project No. 4788825584

File E207943

Page 1

Compliance

Review

Conducted by: Timothy Lai

Timothy Lai

Date 2019-01-14

Printed Name

Signature

Where a clause specifies a dimension, the measurement instrument(s) used to measure the dimension shall be identified (this should correlate to the measurement instrument list at the beginning of the package). The applicable dimension may be recorded in the comment column, if necessary as determined by the Level 2 Staff or Level 3 Reviewer.

CONSTRUCTION COMPLIANCE REVIEW RECORD

Sample Identification -

Sample Card No.	Date Received	Sample No.	Manufacturer, Product Identification and Ratings
The Construction Review Datasheets were not considered necessary, since the construction review had been checked by documents			

- [X] Indications of compliance apply to all samples identified with specific indications of compliance included for construction differences of the different samples.
- [] No sample is received, the construction review is done through documentation.
- [] No samples received or examined. Drawings or other information was provided to support the ~~[alternate construction.]~~ ~~[revised construction.]~~ [addition of a new model that is similar to a currently certified product.]

Measurement Instrument Information -

Inst. ID No.	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
--	--	--	--	--

- [] No Instrument request for this construction review.
- [] UL test equipment information is recorded on Meter Use in Aurora database.
- [] The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID No. below corresponds to the Inst. ID No. above.

Inst. ID No.	Make/Model/Serial Number/Asset No.
--	--

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the following Standard and compliance with applicable construction requirements is noted in Test Certif. Ref. No. DK-79832-UL, dated 2019-01-09, Test Report Ref. No. 345-00206-CB, dated 2019-01-04.

Project No. 4788825584

File E207943

Page 2

Compliance

Review

Conducted by: Timothy Lai

Timothy Lai

Date 2019-01-14

Printed Name

Signature

CSA C22.2 No. 62368-1-14, 2nd
Edition, 2014-12 (Audio/video,
information and communication
technology equipment - Part 1:
Safety requirements)

Standard

Edition/

2nd Edition/

Revision Date

2014-12

Project No. 4788825584

File E207943

Page 3

Compliance

Review

Conducted by: Timothy Lai

Timothy Lai

Date 2019-01-14

Printed Name

Signature

Standard SCC Requirements and Guidance - Product
 Certification Body Accreditation Program

Edition/
 Revision

Date 2016-04-06

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.		X		The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required). DANGER/WARNING/CAUTION/safety markings and instructions in both languages required by the Canadian product standard are not applicable for the product during the evaluation process.	N/A

Project No. 4788825584

File E207943

Page 4

Compliance

Review

Conducted by: Timothy Lai

Timothy Lai

Date 2019-01-14

Printed Name

Signature

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.		X		Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Project: 4788879869File: E207943

Page 1 of 2

Compliance Review	Cavy Chen	Cavy Chen	2019-02-26
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
--	--	--	SCOPE: 1. ADD ALTERNATIVE SOURCES OF PANEL CONTROL BOARD (K, L). 2. MODIFY INPUT RATED FROM 13.2VDC MAX. 2.56A MAX TO 13.2VDC MAX 2.7A MAX (FOR DC/DC CONVERTER) 3. MODIFY DESCRIPTION FROM "VARIOUS" TO "INTERCHANGEABLE" IN TABLE 4.1.2. 4. UPDATE INFORMATION OF FLEXIBLE PRINTED WIRING IN TABLE 4.1.2. 5. UPDATE INFORMATION OF CONNECTORS AND RECEPTACLES IN TABLE 4.1.2. (NO CONSTRUCTION REVIEW IS NEEDED SINCE THERE IS NO CHANGE IN THE OVERALL PRODUCT CONSTRUCTION. BASED UPON PREVIOUS EVALUATION UNDER THE CB SCHEME.)

[] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
--	--	--	--	--

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
--	--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report Reference Number E207943 Vol.3, Sec. 33

- Standard(s):
- ☒ CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☐ IEC 62368-1, 2nd Edition, 2014-02 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Project No. 4788879869

File E207943

Page 2

Compliance
Review

Conducted by:

Cavy Chen
Printed NameCavy Chen
Signature

Date 2019-02-26

Standard SCC Requirements and Guidance – Product Certification
Body Accreditation ProgramEdition/
Revision
Date

2016-04-06

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	This is Recognized Component for building-in using. Evaluation in the end product.	N/A
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	This is Recognized Component for building-in using. Evaluation in the end product.	N/A

Project: 4789291788 File: E207943

Page 1 of 2

Compliance Review Conducted by: Cavy Chen Printed Name Cavy Chen Signature 2020-01-03 Date

CONSTRUCTION COMPLIANCE REVIEW RECORD

SAMPLE IDENTIFICATION:

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
201912100001	2019-12-10	1	Mfr.:Innolux Corp., Product:LCD Module, Model: R213ATE-LU1 , Rating: LCD Panel Rating: 12.6Vdc max., 1.5A max DC/DC Converter Rating: 26.4Vdc max., 3.24A max.

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	01/25/2019	01/25/2020
63	Electronic Balance	0-75kg	04/08/2019	04/08/2020
64	Measure Tape	0-450cm	12/24/2015	N/A

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report Reference Number E207943 Vol.3, Sec. 33

- Standard(s): ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
- ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
- ☐ IEC 62368-1, 2nd Edition, 2014-02 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Project No. 4789291788

File E207943

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Compliance
Review

Conducted by:

Cavy Chen

Printed Name

Cavy Chen

Signature

Date 2020-01-03

Standard SCC Requirements and Guidance – Product Certification
Body Accreditation ProgramEdition/
Revision

Date 2016-04-06

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	This is Recognized Component for building-in using. Evaluation in the end product.	N/A
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	This is Recognized Component for building-in using. Evaluation in the end product.	N/A

Compliance Review
Conducted by:Lily Su
Printed NameLily Su
Signature2020-05-12
Date**CONSTRUCTION COMPLIANCE REVIEW RECORD****SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202004280006	2020-04-28	1	Mfr.:Innolux Corp., Product:LCD Module, Model: R213RFE-LU2(with one DC/DC Converter board) , Rating: LCD Panel Rating: 12.6Vdc max., 0.84A max DC/DC Converter Rating: 26.4Vdc max.,1.4A max.
202005040059	2020-05-04	2	Mfr.:Innolux Corp., Product:LCD Module, Model: R213RFE-LU2(with two DC/DC Converter board) , Rating: LCD Panel Rating: 12.6Vdc max., 0.84A max DC/DC Converter Rating: 26.4Vdc max.,1.4A max.

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	01/10/2020	01/10/2021
63	Electronic Balance	0-75kg	03/19/2020	03/19/2021
64	Measure Tape	0-450cm	12/24/2015	ICO

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☐ UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements)

Project: 4789474767

File: E207943

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Compliance Review
Conducted by:

Lily Su
Printed Name

Lily Su
Signature

2020-05-12
Date

- ☐ CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)

Project: 4789474767File: E207943

Page 3

Compliance Review
Conducted by:Lily Su
Printed NameLily Su
Signature2020-05-12
Date

Standard SCC Requirements and Guidance – Product Certification
Body Accreditation Program Edition/
 Revision Date 2016-04-06

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.	X			The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Project: 4789474767

File: E207943

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Compliance Review
Conducted by:Lily Su
Printed NameLily Su
Signature2020-05-12
Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Cavy Chen	Cavy Chen	2020-11-23
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202011060025	2020-11-06	1	Innolux Corp., LCD Module: R213TCE-LU4 LCD Panel Rating: 12.6Vdc max., 1.45 A max DC/DC Converter Rating: 26.4Vdc max., 2.36A max.

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	01/10/2020	01/10/2021
63	Electronic Balance	0-75kg	03/19/2020	03/19/2021
64	Measure Tape	0-450cm	12/24/2015	ICO

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☐ UL 60950-1, 2nd Edition, 2019-05-09 (Information Technology Equipment - Safety - Part 1: General Requirements)
 - ☐ CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)

Project: 4789721271 File: E207943

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Compliance Review Cavy Chen Cavy Chen 2020-11-23
 Conducted by: Printed Name Signature Date

Standard SCC Requirements and Guidance – Product Certification Edition/
Body Accreditation Program Revision
Date 2020-02-16

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.	X			(Based upon previous evaluation) The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Compliance Review	Cavy Chen	Cavy Chen	2020-11-23
Conducted by:	Printed Name	Signature	Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	(Based upon previous evaluation) Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Steven Huang	Steven Huang	2021-05-24
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD

SAMPLE IDENTIFICATION:

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202105140019	2021-05-06	1	INNOLUX CORP., LCD MODULE, MODEL R213UCE-L22 LCD Panel Rating: 13.2Vdc Max., 42mA Max (For LCD Panel); 13.2Vdc Max., 3.0A Max (For DC to DC converter)
--	--	--	(1) ADD ONE SOURCE OF CONTROL BOARD (O). (2) UPDATE INPUT RATING OF DC TO DC CONVERTER CIRCUIT FORM 13.2VDC MAX., 2.7A MAX. TO 13.2VDC MAX., 3.0A MAX.

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	01/04/2021	01/04/2022
63	Electronic Balance	0-75kg	03/11/2021	03/11/2022
64	Measure Tape	0-450cm	12/24/2015	ICO

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report Reference Number E207943 Vol.3, Sec. 33

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Compliance Review Steven Huang Steven Huang 2021-05-24
 Conducted by: Printed Name Signature Date

Standard SCC Requirements and Guidance – Product Certification Edition/
 Body Accreditation Program Revision
 Date 2020-02-16

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Compliance Review
Conducted by: Steven Huang
Printed NameSteven Huang
Signature2021-05-24
Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Don Wu	Don Wu	2022-04-15
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202203310028	2022-03-31	1	INNOLUX CORP., LCD MODULE: R213RCE-LU1 LCD PANEL RATING: 12.6VDC MAX., 1.36A (FOR LCD PANEL) 26.4VDC MAX., 1.9A (FOR DC/DC CONVERTER) WEIGHT: 1.93 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/30/2021	12/30/2022
63	Electronic Balance	0-75kg	03/07/2022	03/07/2023
64	Measure Tape	0-450cm	12/24/2015	ICO

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, Audio/video, information and communication technology equipment — Part 1: Safety requirements , Edition 3, Issue Date 12/13/2019
 - ☒ C CSA C22.2 NO. 62368-1, AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT - PART 1: SAFETY REQUIREMENTS, Edition 3, Issue Date 12/13/2019

Project: 4790356680File: E207943

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Compliance Review
Conducted by:Don Wu
Printed NameDon Wu
Signature2022-04-15
DateStandard SCC Requirements and Guidance – Product Certification
Body Accreditation ProgramEdition/
Revision
Date 2021-09-21

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.	X			The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Project: 4790356680 File: E207943

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Compliance Review Don Wu Don Wu 2022-04-15
 Conducted by: Printed Name Signature Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Don Wu	Don Wu	2022-04-15
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202203310028	2022-03-31	1	INNOLUX CORP., LCD MODULE: R213RCE-LU1 LCD PANEL RATING: 12.6VDC MAX., 1.36A (FOR LCD PANEL) 26.4VDC MAX., 1.9A (FOR DC/DC CONVERTER) WEIGHT: 1.93 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/30/2021	12/30/2022
63	Electronic Balance	0-75kg	03/07/2022	03/07/2023
64	Measure Tape	0-450cm	12/24/2015	ICO

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--
64	Shern Tiarn/KKA 5519/ISL-LT010/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-14, 2nd Edition, 2014-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 2nd Edition, 2014-12-01 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, Audio/video, information and communication technology equipment — Part 1: Safety requirements , Edition 3, Issue Date 12/13/2019
 - ☒ C CSA C22.2 NO. 62368-1, AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT - PART 1: SAFETY REQUIREMENTS, Edition 3, Issue Date 12/13/2019

Project: 4790356680File: E207943

Page 2

Compliance Review
Conducted by:Don Wu
Printed NameDon Wu
Signature2022-04-15
DateStandard SCC Requirements and Guidance – Product Certification
Body Accreditation ProgramEdition/
Revision
Date 2021-09-21

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.	X			The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Project: 4790356680 File: E207943

Page 3

Compliance Review Don Wu Don Wu 2022-04-15
 Conducted by: Printed Name Signature Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review
Conducted by:Denny Lin
Printed NameDenny Lin
Signature2023-04-06
Date**CONSTRUCTION COMPLIANCE REVIEW RECORD****SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202304060001	2023-03-24	1	INNOLUX CORP., LCD MODULE: R213UCE-L01 (C TYPE) LCD PANEL RATING: 13.2 VDC MAX., 0.42 A MAX. FOR LCD PANEL 13.2 VDC MAX., 2.06 A MAX. FOR DC/DC CONVERTER WEIGHT: 2.27 KG
202304060002	2023-03-24	2	INNOLUX CORP., LCD MODULE: R213UCE-L02 (B TYPE) LCD PANEL RATING: 13.2 VDC MAX., 0.42 A MAX. FOR LCD PANEL 13.2 VDC MAX., 2.56 A MAX. FOR DC/DC CONVERTER WEIGHT: 2.27 KG
202304060003	2023-03-24	3	INNOLUX CORP., LCD MODULE: R213UCE-L05 (B TYPE) LCD PANEL RATING: 13.2 VDC MAX., 0.42 A MAX. FOR LCD PANEL (B TYPE) 13.2 VDC MAX., 2.7 A MAX. FOR DC/DC CONVERTER WEIGHT: 2.27 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/23/2022	12/23/2023
63	Electronic Balance	0-75kg	02/24/2023	02/24/2024

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Project: 4790794120 File: E207943

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Compliance Review Denny Lin Denny Lin 2023-04-06
 Conducted by: Printed Name Signature Date

Standard SCC Requirements and Guidance – Product Certification Edition/
Body Accreditation Program Revision
 Date 2021-09-21

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Project: 4790794120 File: E207943

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Compliance Review Denny Lin Denny Lin 2023-04-06
 Conducted by: Printed Name Signature Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Denny Lin	Denny Lin	2022-06-13
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202305300004	2023-05-29	1	INNOLUX CORP., LCD MODULE: R213RFE-L01 LCD PANEL RATING: 12.6 VDC MAX., 0.845 A MAX. FOR LCD PANEL OR 26.4 VDC MAX., 2.8 A MAX. FOR DC TO DC CONVERTER WEIGHT: 3.192 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/23/2022	12/23/2023
63	Electronic Balance	0-75kg	02/24/2023	02/24/2024

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Project: 4790866601 File: E207943

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Compliance Review Denny Lin Denny Lin 2022-06-13
 Conducted by: Printed Name Signature Date

Standard SCC Requirements and Guidance – Product Certification Edition/
Body Accreditation Program Revision
 Date 2021-09-21

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A

Project: 4790866601 File: E207943

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Compliance Review Denny Lin Denny Lin 2022-06-13
 Conducted by: Printed Name Signature Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	She, Terence	Terence She	2024-05-22
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD

SAMPLE IDENTIFICATION:

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202405140008	2024-05-07	1	INNOLUX CORP., LCD MODULE: R213TCE-LU3 LCD PANEL RATING: 13.2 VDC MAX., 1.1 A MAX. FOR LCD PANEL OR 26.4 VDC MAX., 2.36 A MAX. FOR DC TO DC CONVERTER WEIGHT: 3.172 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/08/2023	12/08/2024
63	Electronic Balance	0-75kg	02/02/2024	02/02/2025

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report E207943, Volume 3, Section 33.

Compliance Review
Conducted by:She, Terence
Printed NameTerence She
Signature2024-05-22
Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	She, Terence	Terence She	2024-05-22
Conducted by:	Printed Name	Signature	Date

Compliance Review	Denny Lin	Denny Lin	2024-06-26
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD

SAMPLE IDENTIFICATION:

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202406240068	2024-06-17	1	INNOLUX CORP., LCD MODULE: R213TCE-L1N LCD PANEL RATING: 12.6 VDC MAX., 0.611 A MAX. FOR LCD PANEL OR 26.4 VDC MAX., 1.9* A MAX. FOR DC TO DC CONVERTER WEIGHT: 2.408 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	12/08/2023	12/08/2024
63	Electronic Balance	0-75kg	02/02/2024	02/02/2025

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

- Standard(s):
- ☒ CAN/CSA C22.2 No. 62368-1-19, 3rd Edition, 2019-12 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)
 - ☒ UL 62368-1, 3rd Edition, 2019-12-13 (Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Compliance Review
Conducted by:Denny Lin
Printed NameDenny Lin
Signature2024-06-26
Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A

Compliance Review	Don Wu	Don Wu	2025-04-02
Conducted by:	Printed Name	Signature	Date

CONSTRUCTION COMPLIANCE REVIEW RECORD**SAMPLE IDENTIFICATION:**

Sample Card #	Date Received	Sample #	Manufacturer, Product Identification and Ratings
202504010029	2025-03-28	1	INNOLUX CORP., LCD MODULE: R213ATE-LU1 LCD PANEL RATING: 12.6 VDC MAX., 1.5 A MAX. FOR LCD PANEL OR 26.4 VDC MAX., 3.0 A MAX. FOR DC TO DC CONVERTER WEIGHT: 3.251 KG

[X] Indications of compliance apply to all samples identified with specific compliance included for construction differences of the different samples.

MEASUREMENT INSTRUMENT INFORMATION: (Ex. Micrometer, Calipers, Comparator)

Inst. ID #	Instrument Type	Function/Range	Last Cal. Date	Next Cal. Date
12	Caliper	0-150mm	11/21/2024	11/21/2025
63	Electronic Balance	0-75kg	01/21/2025	01/21/2026

Note : ICO is Initial Calibration Only

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID # below corresponds to the Inst. ID # above.

Inst. ID #	Make / Model / Serial Number / Asset No.
12	MituToyo/500-196-20/08214528/--
63	EXCELL/SJAW931/A07135942/--

[] UL Measurement instrument information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database

CONSTRUCTION COMPLIANCE REVIEW:

The sample was reviewed for compliance with the construction requirements in the standard(s) indicated below and a complete record including measurements to support compliance with those requirements is detailed in Report.

Standard(s): ☒ UL 62368-1, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements)
☒ CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, 2021-10-22 (Audio/video, information and communication technology equipment Part 1: Safety requirements)

Compliance Review
Conducted by:Don Wu
Printed NameDon Wu
Signature2025-04-02
Date

Clause/Par. Reference and Construction Requirement	Comply			Comments/Measurements	Inst. ID No.
	Yes	No	N/A		
9.2.3 CBs shall include dual language safety labeling within their product certification requirements, if so required by the standard or by the authority having jurisdiction.					
The manufacturer has confirmed they have the ability to include English and French safety labeling exactly as specified in the product standard; or, if NOT specified in the product standard, the ability to include English and French safety labelling consisting of markings associated with the signal words DANGER, WARNING, and CAUTION when required.			X	The ability of the manufacturer to include these markings was verified by either (1) visual inspection of the markings on the actual product or (2) draft of labels that will be applied to the product or (3) written confirmation from the customer of the markings that will appear on the product. If the product standard provides the exact translation, the evidence must match the exact translation. If the product standard does NOT provide the exact translation, the evidence must simply include both the English and French text (no verification of translation is required).	N/A
Manufacturer has a method to manage distribution of products, IF all products with the Canadian certification mark are NOT going to include the dual language.			X	Evaluation staff are to only verify that the manufacturer has a method to control distribution. Evaluation staff do not have to record the method of control nor are the evaluation staff expected to verify the effectiveness of the method of control. This requirement to verify that a method exists will be noted in the FUS Procedure. The UL Field Engineer will verify the method during surveillance. If the manufacturer is going to include the dual language on all products with the Canadian certification mark, then this item is N/A; no further action required.	N/A