



# Certificate of Compliance

**Certificate:** 2525901

**Master Contract:** 205078 (205078)

**Project:** 70202315

**Date Issued:** 2019-01-21

**Issued to:** Analog Devices Inc.  
 804 Woburn St  
 Wilmington, Massachusetts 01887-3462  
 USA  
 Attention: Mark Cantrell

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicator ▲*



**Issued by:** *Martin Buchanan*  
 Martin Buchanan, P. Eng.

**PRODUCTS**

CLASS - C907330 - ELECTRONIC COMPONENTS-Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Ratings		Standard/Notice and Clauses	Internal		External
	(kV)	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
QSOP 16 RQ-16 ADuM3070ARQZ ADuM3070WARQZ	2.5	105	CSA 14-18 tb35, 6.2.1.1, 6.2.1.1/6.2.10, 6.8.1.1 60950-1-07+A1+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 62368-1-14 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 5.4.9.1, 4.1.2 61010-1-12+A1 6.7.1.3, 6.7.2.1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10  60950-1 2nd Ed.,+A1+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 62368-1:2014 Ed. 2 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.1.5.3, 5.4.9.1, 4.1.2	-	-	3.2 or 3.5



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		61010-1 3 <sup>rd</sup> Ed+A1 6.7.1.3, 6.7.2.1 or tbK.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10  EN 60950-1:2006+A1+A12+A2 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2 62368-1:2014/A11:2017 2.10.3.3, 2.10.4.2, 2.10.4.3, 2.10.5.4a, 2.10.11, 4.5.2, 5.2			
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where Z, if used, indicates the lead-free version. Further suffix letters or digits differentiate shipping package formats.

**Notes:**

1. The devices meet basic insulation requirements for 320Vrms or 350Vrms depending on the creepage for CSA 60950-1-07+A1+A2, EN 60950-1:2006+A1+A12+A2 and IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 and CSA 62368-1-14, EN 62368-1:2014/A11:2017 and IEC 62368-1 2<sup>nd</sup> Ed. (pollution degree 2, material group III)
2. The devices meet reinforced insulation requirements for 148Vrms for CSA 60950-1-07+A1+A2, EN 60950-1:2006+A1+A12+A2 and IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 (pollution degree 2, material group III)
4. The devices meet reinforced insulation requirements for 150Vrms for CSA 62368-1-14, EN 62368-1:2014/A11:2017 and IEC 62368-1 2<sup>nd</sup> Ed. (pollution degree 2, material group III)
5. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. the devices meet 150Vrms for reinforced insulation and 300Vrms for basic insulation based on 61010-1 Cl 14.1 a) for use in 61010-1 end products because they meet the requirements of the 62368-1 evaluation. (pollution degree 2, material group III)
6. Case Material: Multiple mold compounds have been evaluated. All meet at least material group II.
7. Evaluated by thermal cycling and other tests.
8. The creepage and clearance has been evaluated for altitudes ≤ 2000m, in pollution degree 2 and overvoltage category II. (pollution degree 2, material group III).

These devices are Component Accepted as components for use in other Certified equipment where the suitability of the combination shall be determined by investigation in the final application.

**APPLICABLE REQUIREMENTS**

- CAN/CSA-C22.2 No 14-18 - Industrial Control Equipment
- CAN/CSA-C22.2 No 60950-1-07+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)
- CAN/CSA-C22.2 No. 62368-1-14 - Audio/video, information and communication technology equipment– Part 1: Safety requirements
- IEC 60950-1 2<sup>nd</sup> Ed.+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements
- IEC 62368-1:2014 Ed. 2 - Audio/video, information and communication technology equipment– Part 1: Safety requirements
- EN 60950-1:2006+A1+A12+A2 - Information Technology Equipment - Safety - Part 1: General Requirements
- EN 62368-1:2014/A11:2017 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)



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Clauses 6.7.1.3, 6.7.2.1 or K.1 to K.4, 6.7.2.2.1, 6.7.2.2.2 or tbK.9, A.17, tbK.5x1.6, K.6x1.6, K.7x1.6, 10 of  
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for  
Electrical Equipment for Measurement, Control, and Laboratory Use, Part  
1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3  
(2012), AMD1: 2018 and ANSI/ISA-61010-1 (82.02.01))  
and  
IEC 61010-1:2010 Ed. 3.1:2017 01 - Safety Requirements for Electrical Equipment for Measurement, Control  
and Laboratory Use - Part 1: General Requirements



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70202315	2019-01-21	Addition of new moulding compound and leadframe and increased creepage
2525901	2012-09-07	Original Component Acceptance