



# Certificate of Compliance

**Certificate:** 2525902

**Master Contract:** 205078

**Project:** 80116329

**Date Issued:** 2022-04-08

**Issued To:** Analog Devices Inc.  
804 Woburn St  
Wilmington, Massachusetts, 01887-3462  
United States

**Attention:** James Scanlon

*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 and non-optical isolating devices

Component Acceptance of Optoisolator Like Magnetic Coupling Devices:

Device (SOIC 8N R package)	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ADuM1280yRZ ADuM1281yRZ ADuM1285yRZ ADuM1286yRZ AD71166	3.0	125	CSA 14-18 tb35, 6.21.4.1, 6.2.1/6.2.12, 6.8.1 62368-1:19 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4 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  IEC 62368-1:2018 Ed. 3 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4	-	-	4.0



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Device (SOIC 8N R package)	Ratings		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
			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 62368-1:2020+A11:2020 5.4.3, 5.4.2, 5.4.4.4, 5.4.7, 5.4.8, 5.4.1.5.3, 5.4.9.1, 5.4.1.4			

where suffix y may be A or B or C differentiating devices with different performance grades. Z, if used, indicates the lead-free version. Suffix EP at the end of the base part number indicates lower extended temperature capability to -55C with a NiPdAu lead finish. Further suffix letters or digits differentiate shipping package formats.

**Notes:**

1. These devices meet basic insulation requirements for 400Vrms and reinforced insulation requirements for 200Vrms for CSA 62368-1-19. IEC 62368-1:2018 Ed. 3 and EN62368-1:2020. (pollution degree 2, material group III)
2. For CSA 61010-1-12+A1 and IEC 61010-1 3<sup>rd</sup> Ed. for 300Vrms, overvoltage category III for basic insulation and 150Vrms, overvoltage category IV for basic insulation, the devices meet clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6 and 10. The risk management process is not applicable to these clauses. (pollution degree 2, material group III)
3. Case material: Multiple mold compounds have been evaluated. All meet at least material group II.
4. Evaluated by thermal cycling and other tests for a temperature rating of 125C.
5. The creepage and clearance has been evaluated for altitudes ≤ 2000m, in pollution degree 2 and overvoltage category II except where specified above. (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. 62368-1-19 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (Bi-national Standard with ANSI/UL 62368-1-2019)  
 IEC 62368-1:2018 Ed. 3 - Audio/video, information and communication technology equipment - Part 1: Safety requirements  
 EN 62368-1:2020 - Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2018)

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



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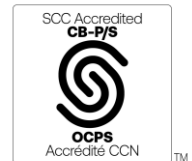
CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3 (2012), AMD1: 2018 and ANSI/ISA-61010-1 (82.02.01))

IEC 61010-1:2010 Ed. 3.1:2017 01 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements

Notes:

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Products certified under Class C907330 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *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>
80116329	2022-04-08	Update to 2525902 for 62368-1 Ed 3 and markings
70046638	2016-09-13	Update to 2525902 for alternative mould compound and leadframe based on results for similar devices from other report(s)
70029602	2015-06-24	Addition of AD71166
2525902	2012-07-20	Original Component Acceptance