



Certificate of Compliance

Certificate: 80100389 **Master Contract:** 205078
Project: 80242850 **Date Issued:** 2025-03-07
Issued to: Analog Devices Inc.
804 Woburn St
Wilmington, Massachusetts 01887-3462
United States
Attention: IvyMae Tejero

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

Issued by: Rekha Rajan
Rekha Rajan



PRODUCTS

Class 9073 30 ELECTRONIC COMPONENTS - Optoisolators and non-optical isolating devices

Component Acceptance of Optoisolator like Devices:

Model(s)
ADuM642xABRNZ3, ADuM642xABRNZ5, ADuM642xAWBRNZ3, ADuM642xAWBRNZ5, ADuM6221ABRNZ3, ADuM6221ABRNZ5

Device	Rating		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
SOIC 28W FP (RN-28-1)						



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Device SOIC 28W FP (RN-28-1)	Rating		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
ADuM642xABRNZ3 ADuM642xABRNZ5 ADuM642xAWBRNZ3 ADuM642xAWBRNZ5 ADuM6221ABRNZ3 ADuM6221ABRNZ5	5.0	125	CSA 14-18, UPD1(R2022) tb35, 6.21.4.1, 6.2.1/6.2.12, 6.8.1 CSA 62368-1:19, UPD1:2021 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 60601-1:14 (R2022) +A1+A2 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7 IEC 62368-1:2018 Ed. 3 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 61010-1 3 rd 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 60601-1 Ed.3+A1+A2 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7 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	-	-	8.3

where x is a number 0 to 4 indicating reverse channels and where Z if used indicates the lead-free version. Suffix EP at the end of the base part number indicates lower extended temperature capability to -55°C with a NiPdAu lead finish. Suffix 3 or 5 indicate 3.3V or 5V versions. Further suffix letters or digits differentiate shipping package formats.

Notes:

- The devices meet basic insulation requirements for 830Vrms and reinforced insulation requirements for 415Vrms for CSA 62368-1-19, UPD1:2021. IEC 62368-1:2018 Ed. 3 and EN62368-1:2020+A11:2020. (pollution degree 2, material group III)
- For CSA 61010-1-12+A1 and IEC 61010-1 3rd Ed. the devices meet 600Vrms for basic insulation and 300V for reinforced 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. The risk



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management process is not applicable to these clauses. (pollution degree 2, material group III)

3. For CSA 60601-1:14(R2022) and IEC60601-1 Ed.3+A1 +A2 for 1 MOPP for 519Vrms, the devices meet clauses 8.5.5.1, 8.8.2, 8.8.3x1.6, 8.9.3.2, 8.9.3.4, 8.9.1.15, 8.9.1.7. The risk management process is not applicable to these clauses.

4. Case material: material group I.

5. Evaluated by thermal cycling and other tests for a temperature rating of 125C.

6. The creepage and clearance has been evaluated for altitudes $\leq 2000\text{m}$, 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

CSA C22.2 No. 14-18 - Thirteenth Edition - Including Update No. 1: June 2022 - Industrial control equipment

CSA C22.2 No. 62368-1:19 - Third Edition - Including Update No. 1 October 2021 - Audio/video, information and communication technology equipment — Part 1: Safety requirements

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

CAN/CSA-C22.2 60601-1:14 (R2022) - Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (Adopted IEC 60601-1:2005, third edition + Amendment 1:2012)

IEC 62368-1:2018 - Audio/video, information and communication technology equipment – Part 1: Safety requirements - Edition 3.0

IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 - Amendment 1 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

IEC 60601-1:2005/AMD1:2012/AMD2:2020 - Medical electrical equipment – Part 1: General requirements for basic safety and essential performance - Edition 3.2; Consolidated Reprint; Incorporates Amendment 1: 2012, Corrigenda 1: 12/2012, Corrigenda to Amendment 1: 07/2014, Interpretation 1: 04/2008, Interpretation 2: 01/2009, and Interpretation 3: 05/2013 and Amendment 2: 08/2020

EN 62368-1: 2020/A11:2020 - Audio/video, information and communication technology equipment - Part 1: Safety requirements - Incorporates Amendment A11: 2020



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Notes:

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

