



Certificate of Compliance

Certificate: 1447865

Master Contract: 205078 (205078)

Project: 70045066

Date Issued: 2016-06-23

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 Magnetic Coupling Devices:



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Device	Rating		Standard/Notice and Clauses	Internal		External
	kV	°C		Creepage (mm)	Dist Thru (mm)	Creep/Clear (mm)
(SOIC 16W RW package) ADuM130xyRWZ ADuM140xyRWZ ADuM1310yRWZ ADuM1311yRWZ ADuM1410yRWZ ADuM1411yRWZ ADuM1412yRWZ ADM2486yRWZ ADM2483yRWZ ADuM330xyRWZ ADuM3310yRWZ ADuM340xyRWZ ADuM3410yRWZ ADuM344xyRWZ ADuM1300WyRWZab ADuM1301WyRWZab ADuM1310WyRWZab ADuM1311WyRWZab ADuM1400WyRWZab ADuM1401WyRWZab ADuM1402WyRWZab ADuM1410WyRWZab ADuM1411WyRWZab ADuM1412WyRWZab ADuM3300WyRWZab ADuM3301WyRWZab ADuM3400WyRWZab ADuM3401WyRWZab ADuM3402WyRWZab	2.5	125	CSA CA5A, 14-13 Tbl 35, 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 61010-1-12+A1 K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10 IEC 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 61010-1 3 rd Ed A1 K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, 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	-	-	7.8

Where x may be 1 digit differentiating devices with different channel direction configurations, y may be a letter designating the performance grade and RW indicates wide body SOIC. Z if used indicates the lead-free version. Suffix ab is a 2 digit number denoting specific supply voltage combinations. Further suffix letters or digits differentiate shipping package formats.

Notes:

1. These devices meet basic insulation requirements for 780Vrms for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2.
2. These devices meet reinforced insulation requirements for 390Vrms for CSA 60950-1-07+A1+A2 and IEC 60950-1 2nd Ed.+A1+A2. (pollution degree 2, material group III)



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3. For CSA 61010-1-12+A1 and IEC 61010-1 3rd Ed. for 300Vrms, overvoltage category III for basic insulation and 150Vrms, overvoltage category III for reinforced 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)
4. Case material: Multiple mold compounds have been evaluated. All meet at least material group II.
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

Component Acceptance Notice 5A (CA 5A) - Announcement of Extension of the Component Acceptance Service for Optocouplers and Related Devices

CAN/CSA-C22.2 No 14-13 - 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)

IEC 60950-1 2nd Ed.+A1+A2 - Information Technology Equipment - Safety - Part 1: General Requirements

EN 60950-1:2006+A1+A12+A2 - Information Technology Equipment - Safety - Part 1: General Requirements

Clauses K.3, K.4, 6.7.1.3, 6.7.2.2.2 A.17, K.6x1.6, K.7x1.6, 10
of

CAN/CSA-C22.2 No. 61010-1-12+A1 2015 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements (Tri-national standard, with UL 61010-1 Ed. 3 and ANSI/ISA-61010-1 (82.02.01)

and

IEC 61010-1:2010 3rd Ed. - 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

Project	Date	Description
70045066	2016-06-23	Update to 1447865 for alternative mould compound and leadframe based on results for similar devices from other report(s)
2373809	2010-11-26	Corrections to Report
2023465	2008-05-27	evaluation for 125C and addition of W automotive models ADuM13xxW, 14xxW, 33xxW and 34xxW
1936089	2007-08-17	Addition of ADuM344x
1843492	2006-11-10	Addition of models ADuM1411, ADuM1412, ADuM1311
1709878	2005-09-16	Addition of ADuM330xyRWZ, ADuM3310yRWZ, ADuM340xyRWZ and ADuM3410yRWZ
1490165	2003-10-24	Addition of ADuM1310yRWZ, ADuM1410yRWZ, ADM2486yRWZ and ADM2483yRWZ.
1447865	2003-08-20	CA-5A