



# Certificate of Compliance

**Certificate:** 2282716

**Master Contract:** 232873

**Project:** 2282716

**Date Issued:** 2010/05/11

**Issued to:** Silicon Laboratories Inc.

400 West Cesar Chavez  
Austin, TX 78701  
USA  
Attention: Keith Coffey

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



*Martin Buchanan, P. Eng.*

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

## **PRODUCTS**

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Ratings (kV) (C)	Stds/Notices	Internal Creep(mm) DistThru(mm)	External Creep/Clear(mm)
Si8422xy-B-zS	≤ 3.75 ≤ 125	CSA CA5A,	-	> 3.9
Si8423xy-B-zS		60950-1-07		
		61010-1-04		
		IEC 60950-1 2nd Ed.		
		IEC 61010-1 2nd Ed.		
		EN60950-1:2006		

where x represents a letter for the bit rate, y represents B or C for the isolating rating up to 3.75kV, and z represents the temperature rating up to 125°C.



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Notes:

1. Reinforced insulation requirements have been met for 125Vrms for CSA 60950-1-07, IEC 60950-1 2nd Ed. and EN60950-1:2006 for 3.75kV rated parts.
2. Reinforced insulation requirements have been met for 150Vrms for CSA 61010-1-04 and IEC 61010-1 2nd Ed. for 2.5kV rated parts.
3. Evaluated by thermal cycling and other tests.
4. Case material, PTI=600V with erosion depth 0.040mm.

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 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)

CSA C22.2 NO 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements - Second Edition

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

IEC 61010-1 2nd Ed. - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements

EN 60950-1:2006 - Information Technology Equipment - Safety - Part 1: General Requirements



# Certificate of Compliance

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## **PRODUCTS**

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Ratings		Stds/Notices	External		
	(kV)	(C)		Creep(mm)	DistThru(mm)	Creep/Clear(mm)
Si8410xy-B-zS	≤ 5.0	≤ 125	CSA CA5A,	-	-	> 7.6
Si8420xy-B-zS			60950-1-07			
Si8421xy-B-zS			601.1M-90			
Si8422xy-B-zS			601.1S1-94			
Si8423xy-B-zS			601.1B-98			
			61010-1-04			
			IEC 60950-1 2nd Ed.			
			IEC 601-1 2nd Ed.			



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IEC 61010-1 2nd Ed.

EN60950-1:2006

where x represents a letter for the bit rate, y represents B, C or D for the isolating rating up to 5.0kV, and z represents the temperature rating up to 125°C.

Notes:

1. Reinforced insulation requirements have been met for 250Vrms for CSA 60950-1-07, IEC 60950-1 2nd Ed. and EN60950-1:2006 for 5.0kV rated parts.
2. Reinforced insulation requirements have been met for 125Vrms for CSA 601.1M-90, 601.1S1-94, 601.1B and IEC 601-1 2nd Ed. for 5.0kV rated parts.
3. Reinforced insulation requirements have been met for 300Vrms for CSA 61010-1-04 and IEC 61010-1 2nd Ed. for 2.5kV minimum rated parts.
4. Evaluated by thermal cycling and other tests.
5. Case material, PTI=600V with erosion depth 0.019mm.

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 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)

CSA C22.2 NO 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements - Second Edition

CAN/CSA C22.2 601.1-M90 - Medical Electrical Equipment Part 1: General requirements for Safety adopted IEC 601-1 2ed (90)

CAN/CSA C22.2 601.1S1-94 - Supplement No 1-94 to CAN/CSA C22.2 601.1-M90

CAN/CSA C22.2 601.1B-98 - Amendment 2 to CAN/CSA C22.2 601.1-M90



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- IEC 60950-1 2nd Ed. Requirements - Information Technology Equipment - Safety - Part 1: General Requirements
  - IEC 61010-1 2nd Ed. Control, and Laboratory Use — Part 1: General Requirements - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
  - IEC 601-1 (1988-12) Safety) - Medical Electrical Equipment - Part 1: General Requirements for Safety)
  - IEC 601-1-AM1 (1991-11) Safety) - Medical Electrical Equipment - Part 1: General Requirements for Safety)
  - IEC 601-1-AM2 (1995-03) Safety) - Medical Electrical Equipment - Part 1: General Requirements for Safety)
  - EN 60950-1:2006 Requirements - Information Technology Equipment - Safety - Part 1: General Requirements



# Certificate of Compliance

**Certificate:** 2150495

**Master Contract:** 232873

**Project:** 2150495

**Date Issued:** 2009/05/08

**Issued to:** Silicon Laboratories Inc.  
400 West Cesar Chavez  
Austin, TX 78701  
USA  
Attention: Keith Coffey

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



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

**Authorized by:** George Tranquada, C.E.T.  
Product Group Manager

## **PRODUCTS**

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Rating(kV)	Stds/Notices	Internal	External
			Creep(mm) DistThru(mm)	Creep(mm)
Si8400	2.5	CSA CA5A,	-	3.9



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**Project:** 2150495

**Date Issued:** 2009/05/08

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Si8410 60950-1-07,

Si8420 IEC60950-1 2nd Ed.

Si8421

where suffixes may be used for different data rates.

Notes:

- Reinforced insulation requirements have been addressed for 125Vrms for CSA 60950-1-07 and IEC 60950-1 2nd Ed.
- Evaluated by thermal cycling and other tests for a temperature rating of 125C.

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).

CAN/CSA-C22.2 No 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements (Bi-national Standard, with UL 60950-1)

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



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 2150494

**Master Contract:** 232873

**Project:** 2150494

**Date Issued:** 2009/05/08

**Issued to:** Silicon Laboratories Inc.  
400 West Cesar Chavez  
Austin, TX 78701  
USA  
Attention: Keith Coffey

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

**Authorized by:** George Tranquada, C.E.T.  
Product Group Manager

**PRODUCTS**

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Rating(kV)	Stds/Notices	Internal		External
			Creep(mm)	DistThru(mm)	Creep(mm)
Si8440	2.5	CSA CA5A,	-	-	Narrow body SOIC 3.9





# Certificate of Compliance

**Certificate:** 2150493

**Master Contract:** 232873

**Project:** 2150493

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Attention: Keith Coffey

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

**Authorized by:** George Tranquada, C.E.T.  
Product Group Manager

## **PRODUCTS**

**CLASS 9073 30** - ELECTRONIC COMPONENTS - Optoisolators

Component Acceptance of Optoisolator Like Capacitive Coupling Devices:

Device	Rating(kV)	Stds/Notices	Internal	External
			Creep(mm) DistThru(mm)	Creep(mm)
Si8460	2.5	CSA CA5A,	-	Narrow body SOIC 3.9

