

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L181974-14-61307002-3
Report Reference E181974-20070316
Date 30-Mar-2022

Issued to: Texas Instruments Incorporated
12500 TI BLVD DALLAS, TX 75243
United States

This is to certify that representative samples of FPPT2 - Nonoptical Isolating Devices - Component
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

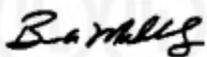
Standard(s) for Safety: UL 1577, 5th Ed, Issue Date: 2014-04-25, Revision Date: 2019-06-11

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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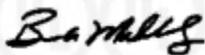


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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
AMC1100*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1106x@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1200B*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1200P*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1200Q1*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1200S*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1200XXXX, where X may be followed by any additional letters except for B, P, Q, or S in the first digit.	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1202	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC1203@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1203B@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1204B*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1204Q*	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
AMC1204XXXX,, where X may be followed by any additional letters except for B, P, Q, or S in the first digit.	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1211*	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1211Q*	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC22C10, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C11, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C12, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C14, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage



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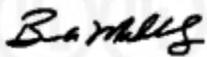
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Certificate Number UL-US-L181974-14-61307002-3
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ISO7220A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7220B@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7220C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7220M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7221A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7221B@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7221C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7221HC@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7221M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7230A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7230C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7230M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7231A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7231C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7231M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7240A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7240C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7240CF@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7240M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7241A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7241C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7241M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7242A@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage



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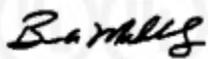
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ISO7242C@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
ISO7242M@	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
SN2004048	Single protection non-optical isolators at 4250 Vdc/3005 Vac isolation voltage
TLA7001	Single protection non-optical isolators at 3000 Vac isolation voltage



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L181974-24-61307002-2
Report Reference E181974-20070316
Date 30-Mar-2022

Issued to: Texas Instruments Incorporated
12500 TI BLVD DALLAS, TX 75243
United States

**This is to certify that
representative samples of**

FPPT8 - Nonoptical Isolating Devices Certified for Canada -
Component

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

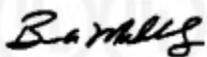
Standard(s) for Safety: CSA Component Acceptance Service Notice No. 5A, Issue Date: 1998-01-23

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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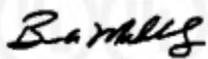


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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
AMC1211*	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC1211Q*	Single protection non-optical isolators at 4000 Vdc/2500 Vac isolation voltage
AMC22C10, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C11, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C12, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage
AMC22C14, may be followed by any additional letters and/or numbers	Single protection non-optical isolators at 3000 Vac isolation voltage



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File E181974
Project 07CA02022

March 16, 2007

REPORT

on

COMPONENT - NON-OPTICAL ISOLATING DEVICES

Texas Instruments Tucson Corp
TUCSON AZ 85706

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ELECTRICAL RATINGS CONT. (at nominal operating temperature):

Model	Current (mA)		Power (mW)		Isolation Voltage	Max Operating Temp (°C)	Max Storage Temp (°C)	Max Junction Temp (°C)	Max Data Transmission
	Encoder	Decoder	Encoder	Decoder					
ISO7221HC	35	35	193	193	2500 Vac 4000 Vdc	175	175	180	25 Mbps
ISO7221M	35	35	193	193	2500 Vac 4000 Vdc	125	150	150	150 Mbps
ISO7230A	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	1 Mbps
ISO7230C	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7230M	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	150 Mbps
ISO7231A	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	1 Mbps
ISO7231C	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7231M	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	150 Mbps
ISO7240A	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	1 Mbps
ISO7240C	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7240CF	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7240M	2.3	19	13	105	2500 Vac 4000 Vdc	125	150	150	150 Mbps
ISO7241A	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	1 Mbps
ISO7241C	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7241M	10	17	55	94	2500 Vac 4000 Vdc	125	150	150	150 Mbps
ISO7242A	13	13	72	72	2500 Vac 4000 Vdc	125	150	150	1 Mbps
ISO7242C	13	13	72	72	2500 Vac 4000 Vdc	125	150	150	25 Mbps
ISO7242M	13	13	72	72	2500 Vac 4000 Vdc	125	150	150	150 Mbps
SN2004048	8	10	44	55	3005 Vac, 4250 Vdc	125	150	150	-
TLA7001	8	10	44	55	3000	125	150	150	-

*

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

USR indicates this product was investigated under the UL Standard for Safety for Optical Isolators, UL 1577, Fifth Edition, revised June 11, 2019.

CNR indicates this product was investigated under the Canadian Certification Notice, CSA Component Acceptance Service No. 5A, dated January 23, 1998.

For Engineering Use Only - See ILL. 1-4 for a functional diagram and lead pin configuration.

Conditions of Acceptability -

1. The capability of the device to control a load has not been investigated.
2. These devices should be installed in a suitable end product enclosure.
3. The maximum temperature on the case should not exceed the maximum operating temperature rating specified in the ratings table.
4. For single protection devices, the insulation to the case has not been evaluated. For double protection devices, the insulation to the case has been evaluated to the isolation voltage specified in the ratings table.

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