ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

Holder of Certificate: **Texas Instruments Incorporated**
13570 North Central Expressway, MS 3928
Dallas TX 75243
USA

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
Digital Isolator

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 72193619-200

Valid until: 2030-06-26

Date, 2025-06-30

(Glenn McLaughlin)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

Model(s): ISO, ISOW, ISOU, ISOM, SN0 series

Brand Name: TI

Models:

ISO1211	ISO1211S	ISO1212	ISO1212S	ISO1042
ISO1042B	ISO1042-Q1	ISO1042B-Q1	ISO1410	ISO1410B
ISO1412	ISO1412B	ISO1430	ISO1430B	ISO1432
ISO1432B	ISO1450	ISO1450B	ISO1452	ISO1452B
ISO1500	ISO7041	ISO7041F	ISO7741S	ISO7742S
ISO7741E-Q1	ISOW7840	ISOW7841	ISOW7842	ISOW7843
ISOW7844	ISO7810	ISO7820	ISO7821	ISO7830
ISO7831	ISO7840	ISO7841	ISO7842	ISO7820LL
ISO7821LL	ISO7821LLS	ISO5851	ISO5851-Q1	ISO5852S
ISO5852S-Q1	ISO5451	ISO5451-Q1	ISO5452	ISO5452-Q1
ISO7710	ISO7710-Q1	ISO7720	ISO7720-Q1	ISO7721
ISO7721-Q1	ISO7721S	ISO7730	ISO7730-Q1	ISO7731
ISO7731-Q1	ISO7740	ISO7740-Q1	ISO7741	ISO7741-Q1
ISO7742	ISO7742-Q1	SN005721	ISOW7820	ISOW7821
ISOW7822	ISOW7820-Q1	ISOW7821-Q1	ISOW7822-Q1	ISOW7840-Q1
ISOW7841-Q1	ISOW7842-Q1	ISOW7843-Q1	ISOW7844-Q1	ISO7760
ISO7761	ISO7762	ISO7763	ISO7760-Q1	ISO7761-Q1
ISO7762-Q1	ISO7763-Q1	ISOW7841A-Q1	ISO6731	ISO6731-Q1
ISO6740	ISO6740-Q1	ISO6741	ISO6741-Q1	ISO6742
ISO6742-Q1	ISO6720,	ISO6720-Q1	ISO6721	ISO6721-Q1
ISO6720B	ISO6720B-Q1	ISO6721B	ISO6721B-Q1	ISO1640B
ISO1640B-Q1	ISO1641B	ISO1641B-Q1	ISO1044B	ISO7021
ISOW1412	ISOW7740	ISOW7741	ISOW7742	ISOW7743
ISOW7744	ISO7041-Q1	ISO6721RB	ISO6721RFB	ISO6721RB-Q1
ISO6721RFB-Q1	ISOW1432	ISOW1412B	ISOW1432B	ISOW1044
ISOW1044B	ISOW7741B	ISO1640	ISO1641	ISO1642
ISO1643	ISO1644	ISO1640-Q1	ISO6760	ISO6760-Q1
ISO6761	ISO6761-Q1	ISO6762	ISO6762-Q1	ISO6763
ISO6763-Q1	ISO6760L	ISO6760LN	ISOUSB211	ISOUSB211B
ISOUSB111	ISOUSB111B	ISOW7721	ISO7741-Q1	ISO7742-Q1
ISOM8710	ISOM8711	ISOM8110	ISOM8111	ISOM8112
ISOM8113	ISOM8115	ISOM8116	ISOM8117	ISOM8118
ISO1228	ISO7741TA	ISO7741TB	ISO7742TA	ISO7742TB
ISO6163	ISOUSB211-Q1			

followed by package designators, DP, DW, DWE, DWX, DWW, D, DBQ, DWV, DFF, DFH, DFG, DFB or DFM
R = Optional tape & reel packing designator,
F = Optional default output state designator
B = Basic insulating designator for some models
Q and/or Q1 = Optional automotive grade indicator
S = Optional suffix to indicate lead frame finish

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

Parameters:

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			UL/CSA 60950-1 EN/UL/CSA 62368-1	EN/UL/CSA 61010-1
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
SN005721 in DW package	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741S, ISO7742S, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1211, ISO1211S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1212, ISO1212S	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1500, ISO7041, ISO7041F, ISO7041-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042, ISO1042-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1042, ISO1042-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 850V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1410, ISO1412, ISO1430, ISO1432, ISO1450, 1SO1452	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1410B, ISO1412B, ISO1430B, ISO1432B, ISO1450B, 1SO1452B	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO7741E-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7741-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
ISOW7820, ISOW7821, ISOW7822, ISO7820-Q1, ISOW7821-Q1, ISOW7822-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7841A-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6742-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1044B	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7021	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISOW1412, ISOW1432	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1412B, ISOW1432B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW1044	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1044B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISOW7741-Q1, ISOW7742-Q1	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7741B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000VRMS
ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211, ISOUSB211-Q1	**DP**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211B	**DP**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Product Service

CERTIFICATE

No. B 077311 0023 Rev. 03

			voltage of 800V_{RMS}	voltage of 600V_{RMS}
ISOUSB111B	**DW**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DWX**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7721	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOM8710, ISOM8711	**DFF**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118	**DFH**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610	**DFG**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1228	**DFB**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6163	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

Tested according to: EN 61010-1:2010/A1:2019
EN IEC 62368-1:2020/A11:2020

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

Holder of Certificate: **Texas Instruments Incorporated**
13570 North Central Expressway, MS 3928
Dallas TX 75243
USA

Certification Mark:

Product: Audio/Video, Information and Communication technology equipment
Digital Isolator

Tested according to:

CSA C22.2 No. 62368-1:2019/U1:2021-10
UL 62368-1:2019/R:2021-10

CSA C22.2 No. 61010-1:2012/A1:2018-11
UL 61010-1:2012/R:2019-07

CSA C22.2 No. 60950-1:2007/A2:2014-10
UL 60950-1:2007/R:2019-05

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

Test report no.: 72193619-200

Date, 2025-06-30

(Glenn McLaughlin)

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

Model(s): ISO, ISOW, ISOU, ISOM, SN0 series

Brand Name(s): TI

Models:

ISO1211	ISO1211S	ISO1212	ISO1212S	ISO1042
ISO1042B	ISO1042-Q1	ISO1042B-Q1	ISO1410	ISO1410B
ISO1412	ISO1412B	ISO1430	ISO1430B	ISO1432
ISO1432B	ISO1450	ISO1450B	ISO1452	ISO1452B
ISO1500	ISO7041	ISO7041F	ISO7741S	ISO7742S
ISO7741E-Q1	ISOW7840	ISOW7841	ISOW7842	ISOW7843
ISOW7844	ISO7810	ISO7820	ISO7821	ISO7830
ISO7831	ISO7840	ISO7841	ISO7842	ISO7820LL
ISO7821LL	ISO7821LLS	ISO5851	ISO5851-Q1	ISO5852S
ISO5852S-Q1	ISO5451	ISO5451-Q1	ISO5452	ISO5452-Q1
ISO7710	ISO7710-Q1	ISO7720	ISO7720-Q1	ISO7721
ISO7721-Q1	ISO7721S	ISO7730	ISO7730-Q1	ISO7731
ISO7731-Q1	ISO7740	ISO7740-Q1	ISO7741	ISO7741-Q1
ISO7742	ISO7742-Q1	SN005721	ISOW7820	ISOW7821
ISOW7822	ISOW7820-Q1	ISOW7821-Q1	ISOW7822-Q1	ISOW7840-Q1
ISOW7841-Q1	ISOW7842-Q1	ISOW7843-Q1	ISOW7844-Q1	ISO7760
ISO7761	ISO7762	ISO7763	ISO7760-Q1	ISO7761-Q1
ISO7762-Q1	ISO7763-Q1	ISOW7841A-Q1	ISO6731	ISO6731-Q1
ISO6740	ISO6740-Q1	ISO6741	ISO6741-Q1	ISO6742
ISO6742-Q1	ISO6720,	ISO6720-Q1	ISO6721	ISO6721-Q1
ISO6720B	ISO6720B-Q1	ISO6721B	ISO6721B-Q1	ISO1640B
ISO1640B-Q1	ISO1641B	ISO1641B-Q1	ISO1044B	ISO7021
ISOW1412	ISOW7740	ISOW7741	ISOW7742	ISOW7743
ISOW7744	ISO7041-Q1	ISO6721RB	ISO6721RFB	ISO6721RB-Q1
ISO6721RFB-Q1	ISOW1432	ISOW1412B	ISOW1432B	ISOW1044
ISOW1044B	ISOW7741B	ISO1640	ISO1641	ISO1642
ISO1643	ISO1644	ISO1640-Q1	ISO6760	ISO6760-Q1
ISO6761	ISO6761-Q1	ISO6762	ISO6762-Q1	ISO6763
ISO6763-Q1	ISO6760L	ISO6760LN	ISOUSB211	ISOUSB211B
ISOUSB111	ISOUSB111B	ISOW7721	ISO7741-Q1	ISO7742-Q1
ISOM8710	ISOM8711	ISOM8110	ISOM8111	ISOM8112
ISOM8113	ISOM8115	ISOM8116	ISOM8117	ISOM8118
ISO1228	ISO7741TA	ISO7741TB	ISO7742TA	ISO7742TB
ISO6163	ISOUSB211-Q1			

followed by package designators, DP, DW, DWE, DWX, DWW, D, DBQ, DWV, DFF, DFH, DFG, DFB or DFM
R = Optional tape & reel packing designator,
F = Optional default output state designator
B = Basic insulating designator for some models
Q and/or Q1 = Optional automotive grade indicator
S = Optional suffix to indicate lead frame finish

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

TÜV®

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

Parameters:

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			UL/CSA 60950-1 EN/UL/CSA 62368-1	EN/UL/CSA 61010-1
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
SN005721 in DW package	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741S, ISO7742S, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1211, ISO1211S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1212, ISO1212S	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

ISO1500, ISO7041, ISO7041F, ISO7041-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042, ISO1042-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1042, ISO1042-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 850V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1410, ISO1412, ISO1430, ISO1432, ISO1450, 1SO1452	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1410B, ISO1412B, ISO1430B, ISO1432B, ISO1450B, 1SO1452B	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO7741E-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7741-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
ISOW7820, ISOW7821, ISOW7822, ISO7820-Q1, ISOW7821-Q1, ISOW7822-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7841A-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741,	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

TÜV®

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

ISO6741-Q1, ISO6742, ISO6742-Q1			voltage of 600V_{RMS}	voltage of 600V_{RMS}
ISO6742-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1044B	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7021	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISOW1412, ISOW1432	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1412B, ISOW1432B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW1044	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1044B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISOW7741-Q1, ISOW7742-Q1	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7741B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000VRMS

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

America

CERTIFICATE

No. U10 077311 0021 Rev. 04

ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211, ISOUSB211-Q1	**DP**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211B	**DP**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB111B	**DW**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DWX**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7721	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOM8710, ISOM8711	**DFF**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118	**DFH**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610	**DFG**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1228	**DFB**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6163	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

TÜV SÜD America, Inc. • 401 Edgewater Place Suite #500 • Wakefield • MA 01880 • USA

TÜV®

Technical Report No.: 72193619-200

Date: 2025-06-02

Client:	Name:	Texas Instruments Incorporated (#77311)
	Address:	13570 North Central Expressway M/S 3928, Dallas, TX 75243 USA
	Contact person:	Saleem Marwat (marwat@ti.com)
Manufacturer:	Name:	Same as above (#077311)
	Address:	Same as above
	Contact person:	Same as above
[redacted]	[redacted]	[redacted]
Test object:	Product:	Digital Isolator
	Model:	ISO1211, ISO1211S, ISO1212, ISO1212S, ISO1042, ISO1042B, ISO1042-Q1, ISO1042B-Q1, ISO1410, ISO1410B, ISO1412, ISO1412B, ISO1430, ISO1430B, ISO1432, ISO1432B, ISO1450, ISO1450B, ISO1452, ISO1452B, ISO1500, ISO7041, ISO7041F, ISO7741S, ISO7742S, ISO7741E-Q1, ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1, ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741,

ISO7741-Q1, ISO7742, ISO7742-Q1, SN005721, ISOW7820, ISOW7821, ISOW7822, ISOW7820-Q1, ISOW7821-Q1, ISOW7822-Q1, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1, ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1, ISOW7841A-Q1, ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1, ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1, ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1, ISO1044B, ISO7021, ISOW1412, ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISO7041-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1, ISOW1432, ISOW1412B, ISOW1432B, ISOW1044, ISOW1044B, ISOW7741B, ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1, ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN, ISOUSB211, ISOUSB211B, ISOUSB111, ISOUSB111B; ISOW7721, ISO7741-Q1, ISO7742-Q1, ISOM8710, ISOM8711, ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610, ISO1228, ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB, ISO6163, ISOUSB211-Q1

followed by package designators, DP, DW, DWE, DWX, DWW, D, DBQ, DWV, DFF, DFH, DFG, DFB or DFM

R = Optional tape & reel packing designator,
F = Optional default output state designator
B = Basic insulating designator for some models
Q and/or Q1= Optional automotive grade indicator
S = Optional suffix to indicate lead frame finish

Trade mark: TEXAS INSTRUMENTS

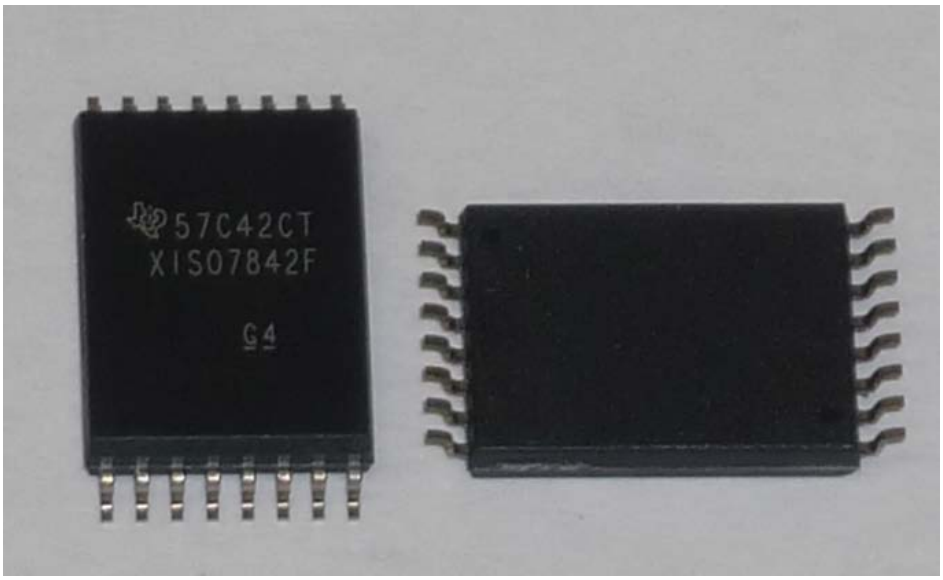
Test specification: EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013,
C22.2 No. 60950-2/A2:2014-10,
UL 60950-1/R:2019-05,
EN 61010-1:2010/A1:2019,
UL 61010-1:2012/ + R:2015-07 + R:2016-04 + R:2018-11-16 + R:2018-11-21 + R:2019-07,
CSA-C22.2 No. 61010-1:2012/ + U1:2015-07 + U2:2016-04 + A1:2018-11,
EN IEC 62368-1:2020+A11:2020,
UL 62368-1:2019/R:2021-10,
CAN/CSA C22.2 No. 62368-1-19/U1:2021-10

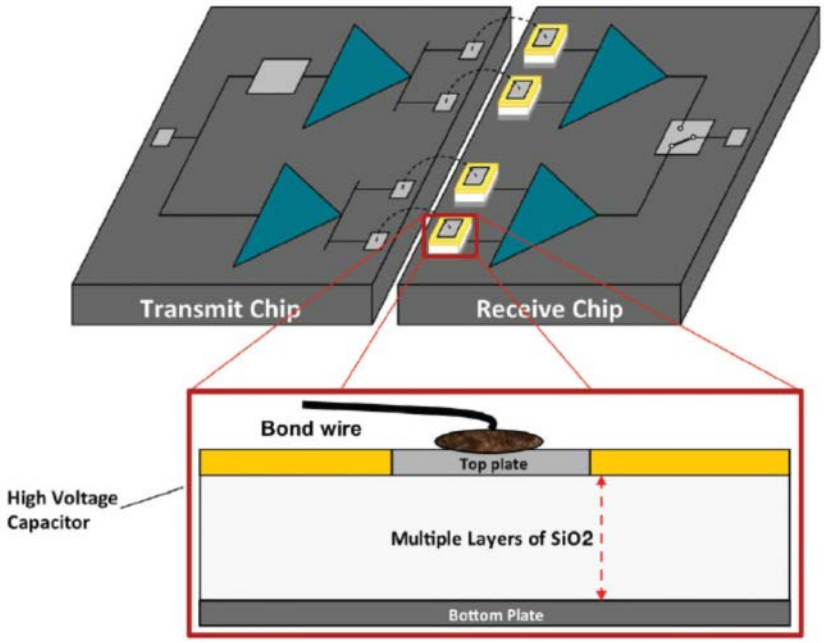
Purpose of examination: Addition of Factory (#130220)

Test result: ☒ The test results show that the presented product is in compliance with the above listed test specifications.

1. Description of the test object

1.1 Picture(s)





1.2 Function

The ISO5XXX, ISO7XXX, ISO1XXX, ISO6XXX, ISOUSBXXX and P/N SNXXXX are families of high-performance isolators with up to 5700 VRMS isolation voltage per UL 1577 and 8000 VPK per VDE.

The devices are designed for basic or reinforced isolation requirements and provide high electromagnetic immunity and low emissions at low power consumption, while isolating CMOS or LVCMOS digital I/O's. Each isolation channel has a logic input and output buffer separated by silicon dioxide (SiO2) insulation barrier. These devices may come with EN pins on each side which can be used to tri-state the respective outputs for multi master driving applications and reduce power consumption. Used in conjunction with isolated power supplies, these devices prevent the creation of unintentional ground loops and their associated loop currents from interfering with sensitive circuitry. The devices are available in a 16-pin SOIC wide-body (DW), 16-pin SOIC extra wide-body (DWW), 8-pin SOIC narrow-body (D), 16-pin SSOP (DWX), 28-pin SSOP (DP), 8-pin SOIC Wide Body (DWV) and 16-pin QSOP (DBQ) packages.

The ISOW7XX families of isolators have an integrated DC-DC converter with up to 5000 VRMS isolation voltage per UL 1577 and 7071 VPK per VDE. The DC-DC converter in the ISOW784XX uses on-chip transformers separated by thin film polymer. The data channels of these devices are separated by silicon dioxide (SiO2) insulation barrier. These devices are available in 16-pin SOIC wide-body (DWE) and 20-pin SOIC Wide Body (DFM) packages.

The ISO121XX are families of high-performance isolators with up to 3000VRMS isolation voltage per UL 1577 and 4242VPK per VDE. The devices are designed for basic isolation requirements and provide high electromagnetic immunity and low emissions at low power consumption, while isolating CMOS or LVCMOS digital I/O's. Each isolation channel has a logic input and output buffer separated by silicon dioxide (SiO2) insulation barrier. These devices may come with EN pins on each side which can be used to tri-state the respective outputs for multi master driving applications and reduce power consumption. Used in conjunction with isolated power supplies, these devices prevent the creation of unintentional ground loops and their associated loop currents from interfering with sensitive circuitry. The devices are available in 8-pin SOIC narrow-body (D), and 16-pin QSOP (DBQ) packages

The ISOMXXX devices are optoemulators with diode-emulator inputs and digital outputs with isolation voltage up to 3750 VRMS per UL 1577 and 5303 VPK per VDE. The devices are pin-compatible and drop-in replaceable for many traditional optocouplers. These devices use transformers for data transmission across silicon dioxide (SiO2) insulation barrier. The devices are available in 4 or 5-pin SOIC packages such as DFF, DFH, and DFG.

Manufacturer's specification for intended use:
According to the User Guide

1.3 Consideration of the foreseeable use

☐ Not applicable
☒ Covered through the applied standard
☐ Covered by the following comment*
☐ Covered by attached risk analysis
*

1.4 Technical Data

Model	ISO1211, ISO1211S, ISO1212, ISO1212S, ISO1042, ISO1042B, ISO1042-Q1, ISO1042B-Q1, ISO1410, ISO1410B, ISO1412, ISO1412B, ISO1430, ISO1430B, ISO1432, ISO1432B, ISO1450, ISO1450B, ISO1452, ISO1452B, ISO1500, ISO7041, ISO7041F, ISO7741S, ISO7742S, ISO7741E-Q1, ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1, ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1, SN005721, ISOW7820, ISOW7821, ISOW7822, ISOW7820-Q1, ISOW7821-Q1, ISOW7822-Q1, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1, ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1, ISOW7841A-Q1, ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1, ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1, ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1, ISO1044B, ISO7021, ISOW1412, ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISO7041-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1, ISOW1432, ISOW1412B, ISOW1432B, ISOW1044, ISOW1044B, ISOW7741B, ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1, ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN, ISOUSB211, ISOUSB211B, ISOUSB111, ISOUSB111B; ISOW7721, ISO7741-Q1, ISO7742-Q1, ISOM8710, ISOM8711, ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610, ISO1228, ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB, ISO6163, ISOUSB211-Q1 followed by package designators, DP, DW, DWE, DWX, DWW, D, DBQ, DWV, DFF, DFH, DFG, DFB or DFM R = Optional tape & reel packing designator, F = Optional default output state designator B = Basic insulating designator for some models Q and/or Q1= Optional automotive grade indicator S = Optional suffix to indicate lead frame finish

Ratings:

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			UL/CSA 60950-1 EN/UL/CSA 62368-1	**EN/UL/CSA 61010-1**
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
SN005721 in DW package	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741S, ISO7742S, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1211, ISO1211S	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1212, ISO1212S	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1500, ISO7041, ISO7041F, ISO7041-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042, ISO1042-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1042, ISO1042-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 850V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1042B, ISO1042B-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO1410, ISO1412, ISO1430, ISO1432, ISO1450, 1SO1452	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO1410B, ISO1412B, ISO1430B, ISO1432B, ISO1450B, 1SO1452B	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISO7741E-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7741-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}

ISOW7820, ISOW7821, ISOW7822, ISO7820-Q1, ISOW7821-Q1, ISOW7822-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DBQ**	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7841A-Q1	**DWE**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6742-Q1	**DWW**	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1	**DWV**	Cl 8.5 mm, Cr 8.5 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1044B	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7021	**D**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISOW1412, ISOW1432	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1412B, ISOW1432B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW1044	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW1044B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, **ISOW7741-Q1, ISOW7742-Q1**	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7741B	**DFM**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	5000 VRMS / 7071 VPK Basic Isolation at a working voltage of 1000VRMS
ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211, ISOUSB211-Q1	**DP**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211B	**DP**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DW**	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB111B	**DW**	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	**DWX**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOW7721	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOM8710, ISOM8711	**DFF**	**Cl 5 mm, Cr 5 mm**	**3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}**	**3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}**
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118	**DFH**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610	**DFG**	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1228	**DFB**	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6163	**DW**	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

Construction	☒ Stationary ☐ Portable ☐ Hand-held ☐ Open-frame ☐ Non detachable cord
Supply connection	☒ Permanent connection to fixed wiring ☐ Appliance inlet
Operation mode	☒ continuous operation; ☐ Intermittent operation; ☐ Short time operation;

2. Order

2.1 Date of Purchase Order, Customer's Reference

2025-03-05 PO# 4516317090
TUV SUD Project #721008900, Line 1000 & 2000 (Quote #Q-000012983; 12/02/2024)

2.2 Test Sample(s)

- Reception date(s): N/A - no testing required
- Location(s) of reception: N/A - no testing required
- Condition of test sample(s): N/A - no testing required

2.3 Testing

- Testing date(s): N/A - no testing required
- Location(s) of testing: N/A - no testing required

2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

3. Test Results

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	72193619-200	2025-06-02	Compliant
Mechanical safety:	72193619-200	2025-06-02	Compliant

3.2 Points of Non-Compliance according to the test specification

☒ None ☐ Yes as follows:

Test specification(s)	Clause	Remark

4. Test History

Report no. / Rev. No.	Date	History
72193619-000	2024-01-10	Original report.
72193619-100	2025-02-07	Add additional models
72193619-200	2025-06-02	Addition of Factory (#130220)

5. Remarks

5.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

5.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

☐ Annual (12 month)

☒ Bi-Annual (6 month)

☐ Quarterly (3 month)

☐

5.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

Routine test requirements for production are described in EN 62911:2018

☒ Required

☐ Not Required

Reason for non-requirement:

☐ Class III product

☐ Other:

Test Details:	**Test Points:**	**Test Values / Limit(s):**
☒ Dielectric Strength	BI: L/N – Chassis	Model Dependent
	RI: L/N – Secondary	Vac / Vdc

6. Documentation

File	**File name**	**Date**
Data form (CDF):	72193619-200	2025-06-02

7. Summary

☒ The test specification(s) is (are) met.

☐ The test specification(s) is (are) not met. ☐ In case of full testing further Non-Compliances can be located.

TÜV SÜD America

Tested by:

Jesse Chisholm

Project handler

Approved by:

Charles R. Walker

Reviewer

Form

Data form for critical components and material information
U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

Applicant name and address :	Texas Instruments Incorporated (#077311) 13570 North Central Expressway M/S 3928, Dallas, TX 75243 USA
Manufacturer name and address :	Texas Instruments Incorporated (#077311) 13570 North Central Expressway M/S 3928, Dallas, TX 75243 USA
Name and address of factory / factories :	[redacted]
Project-No./Report-No. :	72193619-200
Test item description :	Digital Isolator

Data form for critical components and material information

U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

Model/Type reference:	ISO1211, ISO1211S, ISO1212, ISO1212S, ISO1042, ISO1042B, ISO1042-Q1, ISO1042B-Q1, ISO1410, ISO1410B, ISO1412, ISO1412B, ISO1430, ISO1430B, ISO1432, ISO1432B, ISO1450, ISO1450B, ISO1452, ISO1452B, ISO1500, ISO7041, ISO7041F, ISO7741S, ISO7742S, ISO7741E-Q1, ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1, ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1, SN005721, ISOW7820, ISOW7821, ISOW7822, ISOW7820-Q1, ISOW7821-Q1, ISOW7822-Q1, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1, ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1, ISOW7841A-Q1, ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1, ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1, ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1, ISO1044B, ISO7021, ISOW1412, ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISO7041-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1, ISOW1432, ISOW1412B, ISOW1432B, ISOW1044, ISOW1044B, ISOW7741B, ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1, ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN, ISOUSB211, ISOUSB211B, ISOUSB111, ISOUSB111B; ISOW7721, ISO7741-Q1, ISO7742-Q1, ISOM8710, ISOM8711, ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610, ISO1228, ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB, ISO6163, ISOUSB211-Q1 followed by package designators, DP, DW, DWE, DWX, DWW, D, DBQ, DWV, DFF, DFH, DFG, DFB or DFM R = Optional tape & reel packing designator, F = Optional default output state designator B = Basic insulating designator for some models Q and/or Q1= Optional automotive grade indicator S = Optional suffix to indicate lead frame finish
Device type :	☒ component / ☐ sub-assembly / ☐ equipment / ☐ system

Ratings :	

Data form for critical components and material information

U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			UL/CSA 60950-1 EN/UL/CSA 62368-1	EN/UL/CSA 61010-1
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS, ISO5851, ISO5851-Q1, ISO5852S, ISO5852S-Q1, ISO5451, ISO5451-Q1, ISO5452, ISO5452-Q1	DW	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7810, ISO7820, ISO7821, ISO7830, ISO7831, ISO7840, ISO7841, ISO7842, ISO7820LL, ISO7821LL, ISO7821LLS	DWW	Cl 14.5 mm, Cr 14.5 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}
SN005721 in DW package	DW	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	DW	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844, ISOW7840-Q1, ISOW7841-Q1, ISOW7842-Q1, ISOW7843-Q1, ISOW7844-Q1	DWE	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1, ISO7721S	D	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO7730, ISO7730-Q1, ISO7731, ISO7731-Q1, ISO7740, ISO7740-Q1, ISO7741S, ISO7742S, ISO7741, ISO7741-Q1, ISO7742, ISO7742-Q1	DBQ	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1211, ISO1211S	D	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1212, ISO1212S	DBQ	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO1500, ISO7041, ISO7041F, ISO7041-Q1	DBQ	Cl 3.7 mm, Cr 3.7 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}

ISO7710, ISO7710-Q1, ISO7720, ISO7720-Q1, ISO7721, ISO7721-Q1	**DWV**	**Cl 8.5 mm, Cr 8.5 mm**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO1042, ISO1042-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO1042B, ISO1042B-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**
ISO1042, ISO1042-Q1	**DWV**	**Cl 8.5 mm, Cr 8.5 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 850V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO1042B, ISO1042B-Q1	**DWV**	**Cl 8.5 mm, Cr 8.5 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**
ISO1410, ISO1412, ISO1430, ISO1432, ISO1450, 1SO1452	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO1410B, ISO1412B, ISO1430B, ISO1432B, ISO1450B, 1SO1452B	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1060V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**
ISO7741E-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO7741-Q1	**DWW**	**Cl 14.5 mm, Cr 14.5 mm**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}**
ISOW7820, ISOW7821, ISOW7822, ISO7820-Q1, ISOW7821-Q1, ISOW7822-Q1	**DWE**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DBQ**	**Cl 3.7 mm, Cr 3.7 mm**	**3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 370V_{RMS}**	**3000 V_{RMS} / 4242 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}**
ISO7760, ISO7761, ISO7762, ISO7763, ISO7760-Q1, ISO7761-Q1, ISO7762-Q1, ISO7763-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOW7841A-Q1	**DWE**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO6731, ISO6731-Q1, ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**

ISO6742-Q1	**DWW**	**Cl 14.5 mm, Cr 14.5 mm**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1450V_{RMS}**	**5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 1000V_{RMS}**
ISO6720, ISO6720-Q1, ISO6721, ISO6721-Q1	**DWV**	**Cl 8.5 mm, Cr 8.5 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISO6720B, ISO6720B-Q1, ISO6721B, ISO6721B-Q1, ISO6721RB, ISO6721RFB, ISO6721RB-Q1, ISO6721RFB-Q1	**D**	**Cl 4 mm, Cr 4 mm**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}**
ISO1640B, ISO1640B-Q1, ISO1641B, ISO1641B-Q1	**D**	**Cl 4 mm, Cr 4 mm**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}**
ISO1044B	**D**	**Cl 4 mm, Cr 4 mm**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}**
ISO7021	**D**	**Cl 4 mm, Cr 4 mm**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}**	**3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}**
ISOW1412, ISOW1432	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOW1412B, ISOW1432B	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**
ISOW1044	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOW1044B	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**
ISOW7740, ISOW7741, ISOW7742, ISOW7743, ISOW7744, ISOW7741-Q1, ISOW7742-Q1	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}**
ISOW7741B	**DFM**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}**	**5000 VRMS / 7071 VPK Basic Isolation at a working voltage of 1000VRMS**
ISO1640, ISO1641, ISO1642, ISO1643, ISO1644, ISO1640-Q1	**DW**	**Cl 8 mm, Cr 8 mm**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a**	**5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a**

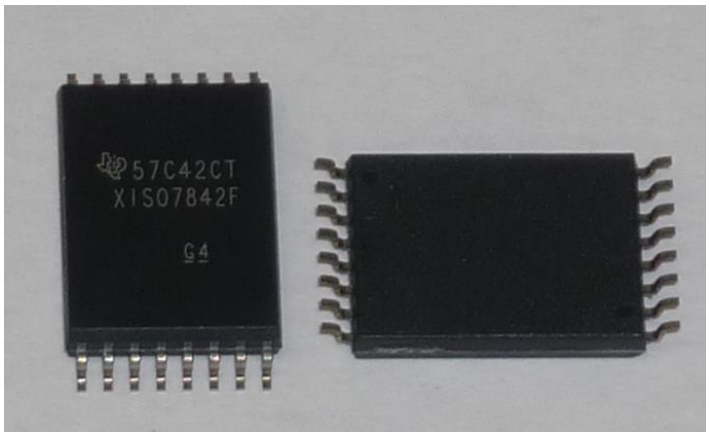
			working voltage of 600V_{RMS}	working voltage of 600V_{RMS}
ISO6760, ISO6760-Q1, ISO6761, ISO6761-Q1, ISO6762, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN	DW	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211, ISOUSB211-Q1	DP	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB211B	DP	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	DW	Cl 8 mm, Cr 8 mm	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOUSB111B	DW	Cl 8 mm, Cr 8 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 1000V_{RMS}
ISOUSB111	DWX	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOW7721	DFM	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISOM8710, ISOM8711	DFF	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118	DFH	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISOM8110, ISOM8111, ISOM8112, ISOM8113, ISOM8115, ISOM8116, ISOM8117, ISOM8118, ISOM8610	DFG	Cl 5 mm, Cr 5 mm	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 500V_{RMS}	3750 V_{RMS} / 5303 V_{PK} Reinforced Isolation at a working voltage of 300V_{RMS}
ISO1228	DFB	Cl 4 mm, Cr 4 mm	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 400V_{RMS}	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of 300V_{RMS}
ISO7741TA, ISO7741TB, ISO7742TA, ISO7742TB	DW	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 800V_{RMS}	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}
ISO6163	DW	Cl 8 mm, Cr 8 mm	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a	5000 V_{RMS} / 7071 V_{PK} Reinforced Isolation at a

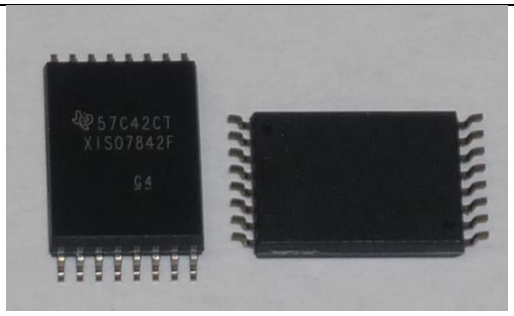
			working voltage of 800V_{RMS}	**working voltage of 600V_{RMS}**

Connection to electrical supply :	☒ N/A ☐ Permanent / ☐ Detachable cord set / ☐ Non detachable cord set / ☐ Direct plug-in / ☐ Battery operated / ☐ Others:
Overvoltage category :	☐ I / ☒ II / ☐ III / ☐ IV / ☐ N/A
Pollution degree :	☐ 1 / ☒ 2 / ☐ 3 / ☐ 4 / ☐ N/A
Class of protection :	☐ Class I (PE connected) ☐ Class II (isolated) ☐ Class III ☒ Others: ☐ N/A
Product with functional earthing :	☐ Yes ☒ N/A
Environmental conditions / Maximum ambient temperature (°C) :	125°C
Equipment mobility / Classification of installation and use :	☐ transportable / ☐ portable / ☐ stationary / ☐ mobile / ☐ fixed / ☐ permanently installed / ☐ hand-held / ☐ body-worn / ☒ building-in / ☐ Others:
Operating conditions :	☒ Continuous / ☐ Short-time / ☐ Intermittent

Data form for critical components and material information

U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

Overall size of equipment (mm) :	IC 
Mass of equipment (kg) :	<0.1kg
Degree of ingress protection (IEC 60529, UL 50 / UL 50 E) :	IPX0
Noise emission [dB(A)] :	N/A
Vibration [m/s²]	N/A
Connection to hydraulic power :	N/A
Connection to pneumatic power :	N/A
Connection to water installation :	N/A
Description of special features :	N/A

General product information and other remarks:	
Main label / Warning Markings:	

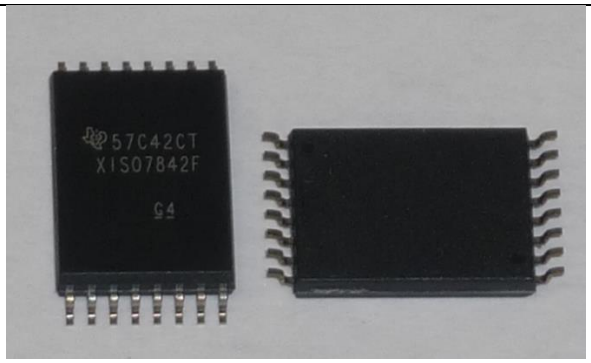
Data form for critical components and material information

U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

Product Service

Description of model differences:	See below
General information / Intended use:	The ISO5XXX, ISO7XXX, ISO1XXX, ISO6XXX, ISOUSBXXX and P/N SNXXXX are families of high-performance isolators with up to 5700 V_{RMS} isolation voltage per UL 1577 and 8000 V_{PK} per VDE. The devices are designed for basic or reinforced isolation requirements and provide high electromagnetic immunity and low emissions at low power consumption, while isolating CMOS or LVCMOS digital I/O's. Each isolation channel has a logic input and output buffer separated by silicon dioxide (SiO2) insulation barrier. These devices may come with EN pins on each side which can be used to tri-state the respective outputs for multi master driving applications and reduce power consumption. Used in conjunction with isolated power supplies, these devices prevent the creation of unintentional ground loops and their associated loop currents from interfering with sensitive circuitry. The devices are available in a 16-pin SOIC wide-body (DW), 16-pin SOIC extra wide-body (DWW), 8-pin SOIC narrow-body (D), 16-pin SSOP (DWX), 28-pin SSOP (DP), 8-pin SOIC Wide Body (DWV) and 16-pin QSOP (DBQ) packages. The ISOW7XX families of isolators have an integrated DC-DC converter with up to 5000 V_{RMS} isolation voltage per UL 1577 and 7071 V_{PK} per VDE. The DC-DC converter in the ISOW784XX uses on-chip transformers separated by thin film polymer. The data channels of these devices are separated by silicon dioxide (SiO2) insulation barrier. These devices are available in 16-pin SOIC wide-body (DWE) and 20-pin SOIC Wide Body (DFM) packages. The ISO121XX are families of high-performance isolators with up to 3000V_{RMS} isolation voltage per UL 1577 and 4242V_{PK} per VDE. The devices are designed for basic isolation requirements and provide high electromagnetic immunity and low emissions at low power consumption, while isolating CMOS or LVCMOS digital I/O's. Each isolation channel has a logic input and output buffer separated by silicon dioxide (SiO2) insulation barrier. These devices may come with EN pins on each side which can be used to tri-state the respective outputs for multi master driving applications and reduce power consumption. Used in conjunction with isolated power supplies, these devices prevent the creation of unintentional ground loops and their associated loop currents from interfering with sensitive circuitry. The devices are available in 8-pin SOIC narrow-body (D), and 16-pin QSOP (DBQ) packages The ISOMXXX devices are optoemulators with diode-emulator inputs and digital outputs with isolation voltage up to 3750 V_{RMS} per UL 1577 and 5303 V_{PK} per VDE. The devices are pin-compatible and drop-in replaceable for many traditional optocouplers. These devices use transformers for data transmission across silicon dioxide (SiO2) insulation barrier. The devices are available in 4 or 5-pin SOIC packages such as DFF, DFH, and DFG.

Package	Package Size	Spacings: Clearance - Cl, Creepage - Cr
D (8)	4.90mm x 3.91mm	4.0 mm
DBQ (16)	4.90mm x 3.90mm	3.7 mm
DWV (8)	5.85mm x 7.50mm	8.5 mm
DP(28), DW(16), DWE(16), DFM (20) DWX (16)	10.30mm x 7.50mm 12.83mm x 7.50mm 5.85mm x 7.50mm	8.0 mm

	DWW (16) 10.30mm x 14.0mm 14.5 mm DFF (5) 3.51mm x 7.0mm 5 mm DFH (4) 2.7mm x 7.0mm 5 mm DFG (4) 3.5mm x 7.0mm 5 mm DFB (38) 9.9mm x 6.0mm 4 mm
Protective earth connection:	N/A
Drawing(s) / Picture(s):	

Product Service

Data form for critical components and material information

U10 077311 0021 Rev. 03 and B 077311 0023 Rev. 02

Critical components and material information:

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard *No. and Edition year*	Mark(s) of conformity and file number
Enclosure:					
[redacted]					
[redacted]					
[redacted]					
[redacted]					
[redacted]					
Supplementary information:					

Routine Test (Safety, Security, …):
☐N/A, ☐ No requirement in standard, ☐ Non certification mark project

Model/Type reference:	Tests performed (name of test and test clause):	Test Details:	Test Points:	Test Values:
All models	Hi-pot	Model dependent (see ratings above)	Input pins to output pins	Model dependent (see ratings above)

Test Report History:

Rev	Project No.	History
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]

Signature of the Certification Holder:

Name, seal and signature of Certificate Holder:	Saleem Marwat 
Date:	June 23, 2025

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI’s products are provided subject to TI’s Terms of Sale or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI’s provision of these resources does not expand or otherwise alter TI’s applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265