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

America

C E R T I F I C A T E

No. U10 077311 0021 Rev. 00

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. 60950-1:2007/A2:2014-10
UL 60950-1:2007/A2:2014

CSA C22.2 No. 62368-1:2014
UL 62368-1:2014

CSA C22.2 No. 61010-1:2012/A1:2018-11
UL 61010-1:2012/R2019-07

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 and Certification Regulations". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

Test report no.: 72147328-300

Date, 2022-04-14

(William J. Stinson)

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

America

C E R T I F I C A T E

No. U10 077311 0021 Rev. 00

Model(s): ISO, ISOU, 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			

followed by package designators, DP, DW, DWE, DWW, D, DBQ, DWV, or DFM
R = Optional tape & reel packing designator,
F = Optional default state output designator
B = Basic insulating designator for some models
Q = 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

America

C E R T I F I C A T E

No. U10 077311 0021 Rev. 00

Parameters:

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			UL/CSA 60950-1 UL/CSA 62368-1	**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 800V_{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 VRMS / 7071VPK Reinforced Isolation at a working voltage of 800V_{RMS}	5000 VRMS / 7071VPK 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	3000 V_{RMS} / 4242 V_{PK} Basic Isolation at a working voltage of

TÜV®

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

America

CERTIFICATE

No. U10 077311 0021 Rev. 00

			400V_{RMS}	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 800V_{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 800V_{RMS}	5700 V_{RMS} / 8000 V_{PK} Reinforced Isolation at a working voltage of 600V_{RMS}

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

America

CERTIFICATE

No. U10 077311 0021 Rev. 00

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}
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, Cr 8	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, Cr 8	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, Cr 8	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	**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}

America

C E R T I F I C A T E

No. U10 077311 0021 Rev. 00

ISOW7741B	**DFM**	Cl 8, Cr 8	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, Cr 8	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, Cr 8	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	**DP**	Cl 8, Cr 8	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, Cr 8	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, Cr 8	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, Cr 8	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}

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

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

America

C E R T I F I C A T E

No. Z1US 077311 0022 Rev. 00

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

Model(s): **ISO, ISOU, SN0 series**

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. For details see www.tuvsud.com/ps-cert

Test report no.: 72147328-300

Valid until: 2027-03-29

Date, 2022-04-14

(William J. Stinson)

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

America

C E R T I F I C A T E

No. Z1US 077311 0022 Rev. 00

Brand Name: TI

Tested according to: EN 60950-1:2006/A2:2013
EN 62368-1:2014/A11:2017
EN 61010-1:2010/A1:2019

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			

followed by package designators, DP, DW, DWE, DWW, D, DBQ, DWV, or DFM
R = Optional tape & reel packing designator,
F = Optional default state output designator
B = Basic insulating designator for some models
Q = 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

America

C E R T I F I C A T E

No. Z1US 077311 0022 Rev. 00

Parameters:

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			EN 60950-1 EN 62368-1	**EN 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 800V_{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 VRMS / 7071VPK Reinforced Isolation at a working voltage of 800V_{RMS}	5000 VRMS / 7071VPK 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,	**DBQ**	Cl 3.7 mm,	3000 V_{RMS} / 4242 V_{PK}	3000 V_{RMS} / 4242 V_{PK}

America

CERTIFICATE

No. Z1US 077311 0022 Rev. 00

ISO7041F, ISO7041-Q1		Cr 3.7 mm	Basic Isolation at a working voltage of 400V_{RMS}	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 800V_{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 800V_{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,	**DW**	Cl 8 mm,	5000 V_{RMS} / 7071 V_{PK}	5000 V_{RMS} / 7071 V_{PK}

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

America

CERTIFICATE

No. Z1US 077311 0022 Rev. 00

ISO6740, ISO6740-Q1, ISO6741, ISO6741-Q1, ISO6742, ISO6742-Q1		Cr 8 mm	Reinforced Isolation at a working voltage of $600V_{RMS}$	Reinforced Isolation at a working voltage of $600V_{RMS}$
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, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ 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, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ 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, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ 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	**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, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ 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, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ 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,	**DW**	Cl 8, Cr 8	$5000\ V_{RMS}$ / $7071\ V_{PK}$ Reinforced Isolation at a	$5000\ V_{RMS}$ / $7071\ V_{PK}$ Reinforced Isolation at a

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

America

C E R T I F I C A T E

No. Z1US 077311 0022 Rev. 00

ISO6762, ISO6762-Q1, ISO6763, ISO6763-Q1, ISO6760L, ISO6760LN			working voltage of 600V_{RMS}	working voltage of 600V_{RMS}
ISOUSB211	**DP**	Cl 8, Cr 8	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, Cr 8	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, Cr 8	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, Cr 8	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}

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

Product Service

Technical Report No.: 72147328-300

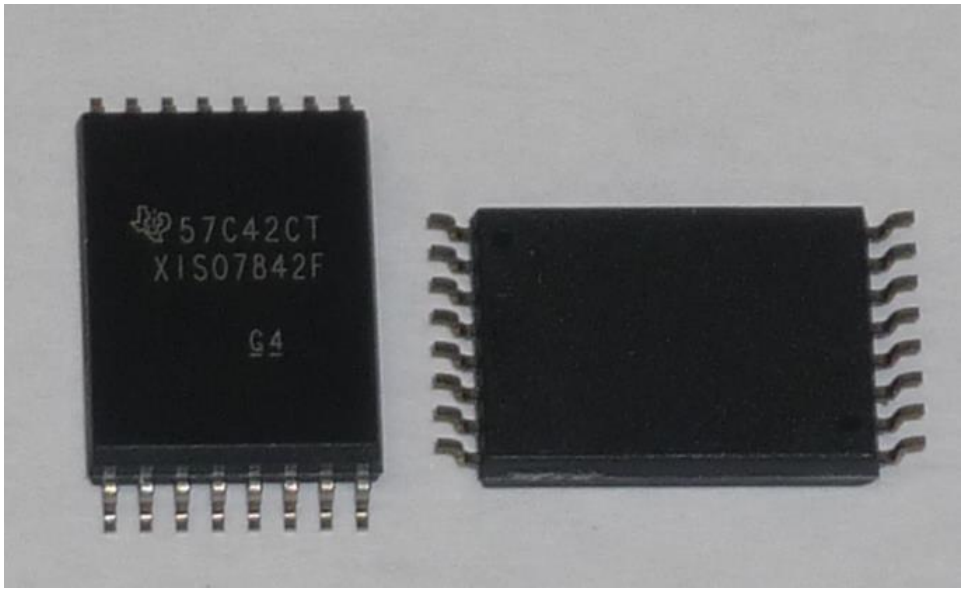
Date: 2022-03-31

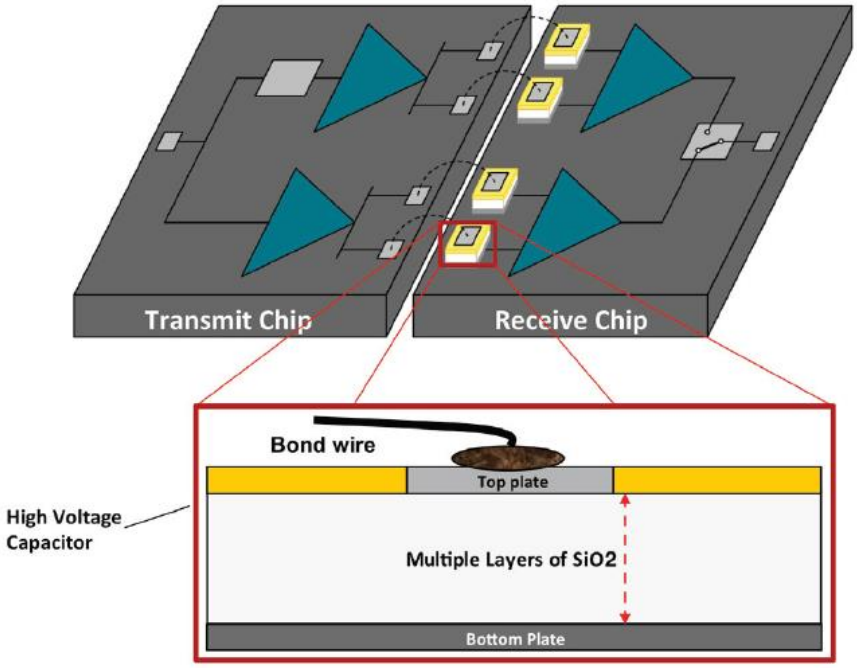
Client:	Texas Instruments Incorporated (#77311) 13570 North Central Expressway M/S 3928, Dallas, TX 75243
	Texas Instruments Taiwan Limited (#77320) #142, Sec 1, Hsin-Nan Rd, Chung-Ho, New Taipei, Taiwan
Factory:	Texas Instruments Malaysia Sdn Bhd (#105715) No. 1, Lorong Engang 33, Ampang /Ulu, Klang Free Trade Zone, Kuala Lumpur, 54200, Kuala Lumpur, WP Kuala Lumpur, 54200, Malaysia
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; followed by package designators, DP, DW, DWE, DWW, D, DBQ, DWV, or DFM R = Optional tape & reel packing designator, F = Optional default state output designator B = Basic insulating designator for some models Q = Optional automotive grade indicator S = Optional suffix to indicate lead frame finish

Test specification:	EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013, CSA-C22.2 No. 60950-1/A2:2014, UL60950-1/A2:2014, 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 62368-1:2014+A11:2017 CSA C22.2 No. 62368-1:2014 UL 62368-1:2014
Purpose of examination:	• Testing and evaluation (visual) according to the test specification
Test result:	Add Factory Location Texas Instruments Malaysia (#105715). Add Alt models 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. Update Critical Component Table to include alternate approved Epoxy. Testing includes 30 Day Thermal Cycling, Thermal Ageing and Hipot Testing.

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 V_{RMS} isolation voltage per UL 1577 and 8000 V_{PK} per VDE.

The devices are designed for 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), 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 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

These are component level devices intended for building-in. They are not directly connected to mains. The entire package is molded over. This molding does not provide internal distance through insulation so TÜV SÜD America has performed 30 day thermal cycling as required by the applicable standard, see below.

The samples were subjected ten times to the following sequence of thermal cycling:
68 h at T1 ± 2 °C;
1 h at 25 °C ± 2 °C;
2 h at 0 °C ± 2 °C;
not less than 1 h at 25 °C ± 2 °C.

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

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

1.3 Consideration of the foreseeable use

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

1.4 Technical Data

P/N	Package	Cl, Cr	Maximum Isolation Working Voltage	
			EN/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 800V_{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 VRMS / 7071VPK Reinforced Isolation at a working voltage of 800V_{RMS}	5000 VRMS / 7071VPK 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 800V_{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 800V_{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}
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,	3000 V_{RMS} / 4242 V_{PK} Basic	3000 V_{RMS} / 4242 V_{PK} Basic

		Cr 4 mm	Isolation at a working voltage of 400V_{RMS}	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, Cr 8	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, Cr 8	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, Cr 8	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	**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, Cr 8	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, Cr 8	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, Cr 8	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	**DP**	Cl 8, Cr 8	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, Cr 8	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, Cr 8	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, Cr 8	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}

2. Order

2.1 Date of Purchase Order, Customer's Reference

2021-12-09

2.2 Test Sample(s)

- Reception date(s): 2021-12-09
- Location(s) of reception: TUV SUD America, 10 Technology Drive, Peabody, MA 01960
- Condition of test sample(s): New

2.3 Date(s) of Testing	2022-02-01 through 2022-03-28
2.4 Location(s) of Testing	See 2.2

2.5 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:	EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013, CSA-C22.2 No. 60950-1/A2:2014, UL60950-1/A2:2014, 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 62368-1:2014+A11:2017 CSA C22.2 No. 62368-1:2014 UL 62368-1:2014	-	-

3.2 Points of Non-Compliance according to the test specification

- None

Product Service

4. Remarks

4.1 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.

4.2 Factory surveillance cycle

Your production facility is currently on a
☐ Annual (12 month)
☒ Bi-Annual (6 month)
☐ Quarterly (3 month)
☐
surveillance cycle.

4.3 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 Vac / Vdc
	RI: L/N – Secondary	Vac / Vdc
☐ Ground Continuity	AC-Inlet – Chassis and/or	A ; t ≥ 1 s ; R < 0.1 Ohm (Ω)
☐ Insulation Resistance	BI: L/N – Chassis	Vdc R > 2 MOhm (MΩ)
	RI: L/N – Secondary	Vdc

☐ Leakage Current	Ground - PE	mA
☐ Touch Current		mA
☐ Polarity		
☒ Other: Dielectric Strength is Model Dependent		

5. Documentation

File	File name	Date
Data form (CDF):	Kept on File	-
Photo documentation:	Kept on File	-
User manual:	Kept on File	-
Installation manual:	Kept on File	-

6. Summary

"The test specifications are met"

TÜV SÜD

Tested by:

Steven Skoropowski

Engineer

Approved by:

William Stinson

Technical Report Checked

Form

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

U10 077311 0021 Rev. 00
Z1US 077311 0022 Rev. 00

Applicant / Auftraggeber:
(#077311)

Texas Instruments Incorporated,
13570 North Central Expressway M/S 3928, Dallas, Texas 75243

Manufacturer / Hersteller:
(#077311)

Texas Instruments Incorporated,
13570 North Central Expressway M/S 3928, Dallas, Texas 75243

Authorized person / Bevollmächtigter

Saleem Marwat (marwat@ti.com)

Factory / Fertigungsstätte:
(#77320) (#105715)

Texas Instruments Taiwan Limited, #142, Sec 1, Hsin-Nan Rd, Chung-Ho New Taipei, Taiwan

Texas Instruments Malaysia Sdn Bhd, No. 1, Lorong Engang 33, Ampang /Ulu, Klang Free Trade Zone, Kuala Lumpur, 54200, Kuala Lumpur, WP Kuala Lumpur, 54200, Malaysia

Type of equipment / Geräteart: Digital Isolator

Type/model / Typenbezeichnung:

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**			

Test Report No. / Prüfbericht Nr.: 72147328-300

Place / Ort: Peabody **Date** / Datum: 2022-03-23

Name of Project manager / Steven Skoropowski
Name Projektleiter:

Name, seal and signature of Certificate Holder / *Saleem Marwat*
Name, Stempel und Unterschrift des Zertifikatinhabers:

followed by package designators, DP, DW, DWE, DWW, D, DBQ, DWV, or DFM.

R = Optional tape & reel packing designator,

F = Optional default state output designator,

B = Basic insulating designator for some models,

Q = Optional automotive grade indicator,

S = Optional suffix to indicate lead frame finish

Serial no. / Seriennr.: -

Rated voltage/frequency / Nennspannung/Frequenz: 5700 VRMS / 8000 VPK
Reinforced isolation at a working voltage of 800 VRMS
(see certificate attachment for additional rating information)

Rated input power/current / Nennaufnahme/Nennstrom: -

Connection to water installation / Anschlussdaten-Wasser: -

Dimensions / Abmessungen [HxWxD / HxBxT]:

Package	Body Size
D (8)	4.90mm x 3.91mm
DBQ (16)	4.90mm x 4.90mm
DWV (8)	5.85mm x 7.50mm
DP, DW, DFM, DWE (16)	10.30mm x 7.50mm
DWW (16)	10.30mm x 14.0mm

Weight / Gewicht: <1 [kg]

Noise emission / Lärmemission: - [dB(A)]

Ambient temperature / Umgebungstemperatur: min.: **-40**°C max.: **125**°C (Operating Temperature) ☒

Operation / Einsatz: < 2,000 m above sea level / < 2.000 m üNN ☒
up to m / bis zu m ☐

Classification of installation and use /: Installation und Nutzung

Stationary	Ortsfest	☐
Portable	Ortsveränderlich	☐
Hand-held	Handgerät	☐
Open-frame	Einbaugerät	☐
	For Building-in	☒

Protection class / Schutzklasse:

I: PE-connection	Schutzleiteranschluss	☐
II: Double insulation	Schutzisoliert	☐

Test Report No. / Prüfbericht Nr.: 72147328-300

Place / Ort: Peabody **Date** / Datum: 2022-03-23

Name of Project manager / Steven Skoropowski
Name Projektleiter:

Name, seal and signature of Certificate Holder / *Saleem Marwat*
Name, Stempel und Unterschrift des Zertifikatinhabers:

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

	III:	SELV / internally powered			Schutzkleinspannung / interne Stromversorgung			☐
Degree of protection / Schutzart /:	IP	X0						☒
Degree of pollution / Verschmutzungsgrad:		**1**	☐	**2** ☒		**3**	☐	**4** ☐
Overvoltage category / Überspannungskategorie:		**I**	☐	**II** ☒		**III**	☐	**IV** ☐

Supply connection / Anschlussart:	Nondetachable cord	Feste Anschlussleitung	☐
	Permanent connection	Fester Anschluss	☐
	Appliance inlet	Gerätesteckvorrichtung	☐
Rated operation / Netzbetriebsart:	Continuous operation	Dauerbetrieb	☒
	Intermittent operation	Aussetzbetrieb	☐
	Short time operation	Kurzzeitbetrieb	☐

Additional information for Laser equipment, classification according to IEC/EN 60825

Zusätzliche Angaben für Laser, Klassifizierung nach IEC/EN 60825

Class / Klasse: -

Wavelength / Wellenlänge: -

Pulse duration / Pulsdauer: -

Safety relevant components: (switches, temperature regulators, heating elements, plugs, sockets, wiring, capacitors, motors and other components with windings e.g. transformers, coils, emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers, Software (Revision), housing parts, materials with contact to food etc.

Components for Functional Safety shall be listed in appropriate table.

The entry of safety relevant components into this table documents and confirms review of suitability and acceptance by the product specialist.

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen, Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen , Software (Revisionsstand), Gehäuseteile, Materialien mit Kontakt zu Lebensmitteln usw.
Komponenten für Funktionale Sicherheit müssen in die entsprechende Tabelle eingetragen werden.
Der Eintrag sicherheitsrelevanter Komponenten in die Übersicht dokumentiert und bestätigt die Überprüfung der Eignung und Freigabe durch den „Product Specialist“.

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity[1])
Case (Outer Compound)	[redacted]	[redacted]	**Epoxy Molding Compound, V-0 min.**	**UL 94**	**UL**
A ternate Case (Outer Compound)	[redacted]	[redacted]	**Epoxy Molding Compound, V-0 min.**	**UL 94**	**UL**

Test Report No. / Prüfbericht Nr.: 72147328-300

Place / Ort: Peabody **Date** / Datum: 2022-03-23

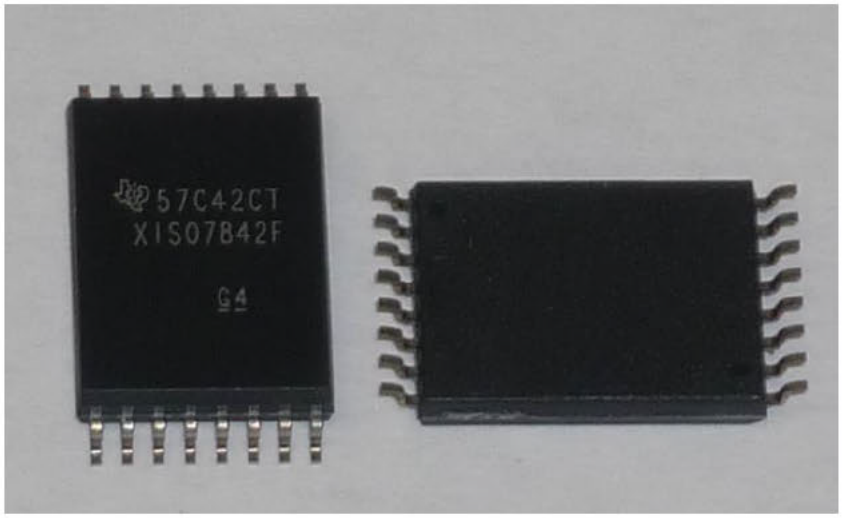
Name of Project manager / Steven Skoropowski
Name Projektleiter:

Name, seal and signature of Certificate Holder / Saleem Marwat
Name, Stempel und Unterschrift des Zertifikatinhabers:

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity[1])
Insulation Compound (Provides isolation between driver and receiver circuits)	—	—	**Silicon Dioxide (SiO2) Capacitor minimum thickness of 0.021mm, 0.17mm, or 0.0105mm** [redacted] **Transformer minimum thickness of 0.120mm**	**Tested in device**	**Insulation Compound (Provides isolation between driver and receiver circuits)**
Lead Frame	—	—	**Nickel-Palladium-Gold Plated Copper Alloy** **For ISO1211S, ISO1212S, & ISO77xxS, Matte-Sn Plated Copper Alloy**	**IEC 60950-1 2nd Edition**	**Tested in device.**

Supplementary information:
[1]) Provided evidence ensures the agreed level of compliance. See OD-CB2039.

Label / Typenschild



Test Report No. / Prüfbericht Nr.: 72147328-300

Place / Ort: Peabody **Date** / Datum: 2022-03-23

Name of Project manager / Steven Skoropowski
Name Projektleiter:

Name, seal and signature of Certificate Holder / Saleem Marwat
Name, Stempel und Unterschrift des Zertifikatinhabers:

Routine Safety Test

General example for electrical testing:

Final inspection requirements for production are described in: EN 50514:2014,

☒ Required ☐ Not Required

Reason:
☐ Class III product
☐ Other:

Test Details:
☒ Dielectric Strength
☐ Ground Continuity
☐ Insulation Resistance
☐ Leakage Current
☒ Other: Hipot test Value is Model Dependent

Test Points:
BI: L/N – Chassis
RI: L/N – Secondary
AC-Inlet – Chassis

Test Values:
Model Dependent Vac / Vdc
Vac / Vdc
A, 1s, <0.1 Ohm (Ω)

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