

Notification Number:	20200420001	Notification Date:	April 21, 2020
Title:	Datasheet for ISO7710-Q1		
Customer Contact:	Notification Manager	Dept:	Quality Services

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



ISO7710-Q1

SLLSEU2A – MARCH 2017 – REVISED APRIL 2020

Changes from Original (March 2017) to Revision A	Page
• Made editorial and cosmetic changes throughout the document	1
• Changed From: "Isolation Barrier Life: >40 Years" To: ">100-year projected lifetime at 1500 V _{RMS} working voltage" in Features	1
• Added "Up to 5000 V _{RMS} isolation rating" in Features	1
• Added "Up to 12.8 kV surge capability" in Features	1
• Added "±8 kV IEC 61000-4-2 contact discharge protection across isolation barrier" in Features	1
• Changed From: "VDE Reinforced Insulation per DIN V VDE V 0884-10 (VDE V 0884-10):2006-12" To: "VDE reinforced insulation per DIN VDE V 0884-11:2017-01" in Features	1
• Combined CSA, CQC, and TUV bullets into a single bullet with standard names in Features	1
• Deleted "VDE, UL, CSA, and TUV Certifications for DW-16 package complete; all other certifications planned" bullet in Features	1
• Updated list of applications in Applications section	1
• Updated Simplified Schematic to show two isolation capacitors in series instead of a single isolation capacitor	1
• Added "Contact discharge per IEC 61000-4-2" specification of ±8000 V in ESD Ratings table	5
• Changed 'Signaling' rate to 'Data' rate and added table note to <i>Data rate</i> specification in Recommended Operating Conditions table	5
• Changed V _{IORM} Value for DW-16 package From: "1414 V _{PK} " To: "2121 V _{PK} " in Insulation Specifications table	7
• Changed V _{IOWM} value for DW-16 package From: "1000 V _{RMS} " and "1414 V _{DC} " To: "1500 V _{RMS} " and "2121 V _{DC} " in Insulation Specifications table	7
• Added 'see Figure 21 ' to TEST CONDITIONS of V _{IOWM} specification	7
• Changed V _{IOTM} TEST CONDITIONS for 100% production test From: "V _{TEST} = V _{IOTM} " To: "V _{TEST} = 1.2 x V _{IOTM} " in Insulation Specifications table	7
• Changed V _{IOSM} TEST CONDITIONS From: "Test method per IEC 60065" To: "Test method per IEC 62368-1" in Insulation Specifications table	7
• Updated certification information in Safety-Related Certifications table	8
• Corrected ground symbols for "Input (Devices with F suffix)" in Device I/O Schematics	18
• Fixed Figure 18 INPUT wire connection	20
• Added Insulation Lifetime sub-section under Application Curve section	21
• Added 'How to use isolation to improve ESD, EFT, and Surge immunity in industrial systems' to Documentation Support section	24

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7710-Q1	SLLSEU2	SLLSEU2A

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO7710-Q1>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this notification:

None.

Product Affected:

ISO7710FQDQ1	ISO7710FQDRQ1	ISO7710FQDWQ1	ISO7710FQDWRQ1
ISO7710QDQ1	ISO7710QDRQ1	ISO7710QDWQ1	ISO7710QDWRQ1

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