Notification Number:	20200324008	Notification Date:	April 15, 2020
Title:	Datasheet for ISO7740-Q1, ISO7741-Q1, ISO7742-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.

Texas Instruments

ISO7740-Q1, ISO7741-Q1, ISO7742-Q1
SLLSEU0C –NOVEMBER 2016–REVISED FEBRUARY 2020

Changes from Revision B (June 2018) to Revision C   **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 5700 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 VDE standard name From: DIN V VDE V 0884-11:2017-01 To: DIN VDE V 0884-11:2017-01 throughout the document 1
- Updated list of applications in Applications section... 1
- Updated Simplified Schematic to show two isolation capacitors in series per channel instead of a single isolation capacitor 1
- Added extra-wide SOIC (DWW-16) package information for ISO7741-Q1 in the datasheet 4
- Added "Contact discharge per IEC 61000-4-2" specification of ±8000 V in ESD Ratings 7
- Added the following table note to *Data rate* specification: "100 Mbps is the maximum specified data rate, although higher data rates are possible." 7
- Changed ISO7741-Q1 P_{D1} or Maximum power dissipation by side-1 From: 50 mW To: 75 mW and P_{D2} or Maximum power dissipation by side-2 From: 150 mW To: 125 mW in Power Rating table.. 8
- Changed V_{IORM} value for DW-16 package From: "1414 V_{PK}" To: "2121 V_{PK}" in Insulation Specifications table 9
- Changed V_{IOWM} values for DW-16 package From: "1000 V_{RMS}" and "1414 V_{DC}" To: "1500 V_{RMS}" and "2121 V_{DC}" in Insulation Specifications table 9
- Added 'see Figure 30' to TEST CONDITIONS of V_{IOWM} specification in Insulation Specifications...................... 9
- Changed V_{IOSM} TEST CONDITIONS From: "Test method per IEC 60065" To: "Test method per IEC 62368-1" in Insulation Specifications table 9
- Updated certification information in Safety-Related Certifications table 10
- Corrected ground symbol for 'Input (ISO774xF)' schematic in Device I/O Schematics 27
- Updated Figure 24 by changing CAN transceiver From: SN65HVD231Q To: TCAN1042-Q1 and transformer driver From: SN6501-Q1 To: SN6505x-Q1 28
- Added *Insulation Lifetime* sub-section under Application Curve section.. 30
- Added SN6505x-Q1 reference in Power Supply Recommendations section 31
- Added '*How to use isolation to improve ESD, EFT, and Surge immunity in industrial systems*' application report to Documentation Support section 33
- Added SN6505x-Q1 data sheet reference in Documentation Support section 33

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7740-Q1, ISO7741-Q1, ISO7742-Q1	SLLSEU0B	SLLSEU0C

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/ISO7740-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:

ISO7740FQDBQQ1	ISO7740FQDBQRQ1	ISO7740FQDWQ1	ISO7740FQDWRQ1
ISO7740QDBQQ1	ISO7740QDBQRQ1	ISO7740QDWQ1	ISO7740QDWRQ1
ISO7741FQDBQQ1	ISO7741QDWRQ1	ISO7741FQDBQRQ1	ISO7741FQDWQ1
ISO7741FQDWRQ1	ISO7741FQDWWQ1	ISO7741FQDWWRQ1	ISO7741QDBQQ1
ISO7741QDBQRQ1	ISO7741QDWQ1	ISO7741QDWWQ1	ISO7741QDWWRQ1
ISO7742FQDBQQ1	ISO7742FQDBQRQ1	ISO7742FQDWQ1	ISO7742FQDWRQ1
ISO7742QDBQQ1	ISO7742QDBQRQ1	ISO7742QDBQRQ1	ISO7742QDWRQ1

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