Notification# 20200420000
Datasheet for ISO7720-Q1, ISO7721-Q1
Information Only

Date: April 21, 2020
To: Newark/Farnell PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team (PCN_ww_admin_team@list.ti.com).

Sincerely,

Change Management Team
SC Business Services

Information Only
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
ISO7720FQDQ1	null
ISO7720FQDWQ1	null
ISO7720QDQ1	null
ISO7720QDWQ1	null

Technical details of this Product Change follow on the next page(s).

Notification Number:	20200420000	Notification Date:	April 21, 2020
Title:	Datasheet for ISO7720-Q1, ISO7721-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

ISO7720-Q1, ISO7721-Q1
SLLSEU1A – MARCH 2017 – REVISED APRIL 2020

Changes from Original (March 2016) 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 1.5 kV$_{RMS}$ 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
- Updated certification-related bullets in Features and changed VDE standard name From: DIN V VDE V 0884-10 (VDE V 0884-10):2006-12 To: DIN VDE V 0884-11:2017-01 throughout the document 1
- Updated Applications list 1
- Updated Simplified Schematic to show two isolation capacitors in series per channel 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 *Data rate* 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 24" 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
- Changed q$_{pd}$ TEST CONDITIONS for method b1 test From: "V$_{ini}$ = V$_{IOTM}$" To: "V$_{ini}$ = 1.2 x V$_{IOTM}$" in Insulation Specifications table 7
- Changed the climatic category for the D package from 5/125/21 to 55/125/21 7
- Updated certification information in Safety-Related Certifications table 8
- Switched the line colors for V$_{CC}$ at 2.5 V and V$_{CC}$ at 3.3 V in the *Low-Level Output Voltage vs Low-Level Output Current* graph 15
- Deleted EN from the *Common-Mode Transient Immunity Test Circuit* figure 17
- Corrected ground symbols for "Input (Devices with F suffix)" in Device I/O Schematics 20
- Added *Insulation Lifetime* sub-section under Application Curve section 24
- Added '*How to use isolation to improve ESD, EFT and Surge immunity in industrial systems*' application report to Documentation Support section 27

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7720-Q1, ISO7721-Q1	SLLSEU1	SLLSEU1A

These changes may be reviewed at the datasheet links provided.

http://www.ti.com/product/ISO7720-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:			
ISO7720FQDQ1	ISO7720FQDRQ1	ISO7720FQDWQ1	ISO7720FQDWRQ1
ISO7720QDQ1	ISO7720QDRQ1	ISO7720QDWQ1	ISO7720QDWRQ1
ISO7721FQDQ1	ISO7721FQDRQ1	ISO7721FQDWQ1	ISO7721FQDWRQ1
ISO7721QDQ1	ISO7721QDRQ1	ISO7721QDWQ1	ISO7721QDWRQ1

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW Change Management Team	PCN_ww_admin_team@list.ti.com

IMPORTANT NOTICE AND DISCLAIMER