

PCN Number:	20190725000	PCN Date:	Aug. 6, 2019
Title:	Datasheet for ISO7740, ISO7741, ISO7742		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

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.



ISO7740, ISO7741, ISO7742

SLLSEP4F – MARCH 2016 – REVISED MAY 2019

Changes from Revision E (January 2018) to Revision F

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
• Added "Automotive version available: <i>ISO774x-Q1</i> " in Features	1
• Changed From: "All Certifications Complete except CQC Approval of DBQ-16 Package Devices" To: "All certifications complete" in Features	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	8
• Added the following table note to <i>Data rate</i> specification: "100 Mbps is the maximum specified data rate, although higher data rates are possible."	8
• Changed V _{IORM} value for DW-16 package From: "1414 V _{PK} " To: "2121 V _{PK} " in Insulation Specifications table	10
• 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	10
• Added 'see Figure 28 ' to TEST CONDITIONS of V _{IOWM} specification in Insulation Specifications	10
• Changed V _{IOSM} TEST CONDITIONS From: "Test method per IEC 60065" To: "Test method per IEC 62368-1" in Insulation Specifications table	10
• Updated certification information in Safety-Related Certifications table	11
• Switched the line colors for V _{CC} at 2.5 V and V _{CC} at 3.3 V in Figure 12	21
• Added Insulation Lifetime sub-section under Application Curve section	31
• Added 'How to use isolation to improve ESD, EFT, and Surge immunity in industrial systems' application report to Documentation Support section	34

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7740, ISO7741, ISO7742	SLLSEP4E	SLLSEP4F

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO7740>

Reason for Change:

To more 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 PCN:

None.

Product Affected:

ISO7740DBQ	ISO7740FDW	ISO7741FDBQ	ISO7742DW
ISO7740DBQR	ISO7740FDWR	ISO7741FDBQR	ISO7742DWR
ISO7740DW	ISO7741DBQ	ISO7741FDW	ISO7742FDBQ
ISO7740DWR	ISO7741DBQR	ISO7741FDWR	ISO7742FDBQR
ISO7740FDBQ	ISO7741DW	ISO7742DBQ	ISO7742FDW
ISO7740FDBQR	ISO7741DWR	ISO7742DBQR	ISO7742FDWR

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