

PCN Number:	20190308000.0	PCN Date:	March 08, 2019
Title:	Datasheet for ISO7421E-Q1		
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.



ISO7421E-Q1

SLLSEA5C – MARCH 2012 – REVISED MARCH 2019

Changes from Revision B (May 2012) to Revision C

Page

Deleted FEATURES bullet "Wide Ambient Temperature: -40°C to 125°C" since it was a duplicate entry	1
Changed FEATURES bullet From: "4 kV peak Maximum Isolation, 2.5 kVrms per UL 1577, IEC/VDE and CSA Approved, IEC 60950-1, IEC 61010-1 End Equipment Standards Approved. All Approvals Pending." To: "4242 V _{PK} Isolation per VDE, 2.5 kVrms Isolation per UL 1577, CSA Approved per IEC 60950-1 and IEC 61010-1 End Equipment Standards"	1
Changed From: "The ISO7421E-Q1 provides double galvanic isolation..." To: "The ISO7421E-Q1 provides galvanic isolation..." in Description section.	1
Added Simplified Schematic of the device	1
Changed column titles From: "INPUT SIDE (VCC)" To: "INPUT SIDE V _{CC} (V _{CC1})" and From: "OUTPUT SIDE (VCC)" To: "OUTPUT SIDE V _{CC} (V _{CC0})" in Device Function Table .	3
Changed MAX VALUE for V _I From: "6 V" To: "V _{CC} + 0.5 V"	3
Added : "Maximum voltage must not exceed 6 V. A strongly driven input signal can weakly power the floating V _{CC} via an internal protection diode and cause undetermined output."	3
Deleted Supply Current parameters with V _{CC1} and V _{CC2} at 5 V ± 5% for ISO7420x in Electrical Characteristics table since ISO7420x is not included in the data sheet.	5
Deleted Supply Current parameters with V _{CC1} at 5 V ± 5%, V _{CC2} at 3.3 V ± 5% for ISO7420x in Electrical Characteristics table since ISO7420x is not included in the data sheet.	6
Deleted Supply Current parameters with V _{CC1} at 3.3 V ± 5%, V _{CC2} at 5 V ± 5% for ISO7420x in Electrical Characteristics table since ISO7420x is not included in the data sheet.	7
Deleted Supply Current parameters with V _{CC1} and V _{CC2} at 3.3 V ± 5% for ISO7420x in Electrical Characteristics table since ISO7420x is not included in the data sheet.	8
Changed V _{CC1} to V _{CC1} and V _{CC2} to 50% in Figure 1	9
Changed V _{CC1} to V _{CC1} and IN From: "0V or V _{CC1} " To: "0 V" in Figure 2	9
Corrected 'Ground' symbols on both sides of the Isolation Barrier in Figure 3	9
Changed MIN specification for Clearance or L(I01) From: "8.34 mm" To: "7.6 mm" in Package Characteristics table.	10
Changed MIN specification for Creepage or L(I02) From: "8.1 mm" To: "7.6 mm" in Package Characteristics table.	10
Changed CTI TEST CONDITIONS From: "DIN IEC 60112 / VDE 0303 Part 1" To: "DIN EN 60112 (VDE 0303-11)"	10
Added "V _{TEST} = 1.2 x V _{ISO} " to V _{ISO} parameter TEST CONDITIONS in Insulation Characteristics table	11
Changed VDE standard name From: "IEC 60747-5-2" To: "DIN VDE V 0884-11:2017-01" and document reference From: "File Number: Pending" To: "Certificate Number: 40047657" respectively in Regulatory Information table.	11
Changed CSA standard reference From: "Approved under CSA Component Acceptance Notice" To: "Approved according to IEC 60950-1 and IEC 61010-1" and document reference From: "File Number: pending" To: "Master Contract Number: 220991" respectively in Regulatory Information table.	11
Changed UL standard reference From: "1577" To: "UL 1577" in Regulatory Information table.	11
Changed ground symbol of 'Output' to differentiate it from 'Input' in Figure 6	12

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO7421E-Q1	SLLSEA5B	SLLSEA5C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO7421E-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 PCN:

None.

Product Affected:

ISO7421EQDWRQ1			
----------------	--	--	--

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
Japan	PCNJapanContact@list.ti.com