

<b>PCN Number:</b>	20200129003	<b>PCN Date:</b>	Feb 4, 2020
<b>Title:</b>	Datasheet for ISOW7821		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<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.



**ISOW7821**

SLLSF40B – NOVEMBER 2017 – REVISED SEPTEMBER 2019

Changes from Revision A (March 2018) to Revision B	Page
• Made editorial and cosmetic changes throughout the document.....	1
• Added "Robust Isolation Barrier" bullet in <a href="#">Features</a> .....	1
• Added ">100-Year Projected Lifetime at 1 kV <sub>RMS</sub> Working Voltage" bullet in <a href="#">Features</a> .....	1
• Added "Up to 5000 V <sub>RMS</sub> Isolation Rating" bullet in <a href="#">Features</a> .....	1
• Added "Up to 10 kV <sub>PK</sub> Surge Capability" bullet in <a href="#">Features</a> .....	1
• Added "±8 kV IEC 61000-4-2 Contact Discharge Protection across Isolation Barrier" bullet in <a href="#">Features</a> .....	1
• Changed VDE standard name From: DIN V VDE V 0884-11:2017-01 To: DIN VDE V 0884-11:2017-01 in <a href="#">Features</a> and <a href="#">Insulation Specifications</a> table .....	1
• Added "EN 62368-1" standard in TUV certification bullet in <a href="#">Features</a> .....	1
• Deleted "All Agency Certifications are Planned" bullet in <a href="#">Features</a> .....	1
• Updated <a href="#">Simplified Schematic</a> to show two isolation capacitors in series instead of a single capacitor for signal isolation channels .....	1
• Added "Contact discharge per IEC 61000-4-2; Isolation barrier withstand test" specification of ±8000 in <a href="#">ESD Ratings</a> table.....	6
• Added table note "IEC ESD strike is applied across the barrier with all pins on each side tied together creating a two-terminal device" to <a href="#">ESD Ratings</a> table.....	6
• Deleted "TJ or Junction temperature" parameter from <a href="#">Recommended Operating Conditions</a> table as it is already specified in <a href="#">Absolute Maximum Ratings</a> table.....	6
• Added "See <a href="#">Figure 34</a> " to TEST CONDITIONS of V <sub>IOWM</sub> specification.....	8
• Updated <a href="#">Safety-Related Certifications</a> table .....	9
• Added the following note to <a href="#">Figure 25</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> " .....	22
• Added the following note to <a href="#">Figure 30</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> " .....	28
• Added the following text to <a href="#">Design Requirements</a> : "Optional 100 µF decoupling capacitor can be added between V <sub>CC</sub> and GND1 pins; refer to <a href="#">Power Supply Recommendations</a> for more details".....	29
• Added text to <a href="#">Power Supply Recommendations</a> section to emphasise that input decoupling capacitor should be larger than output capacitor by at least 100 µF .....	31
• Added the following note to <a href="#">Figure 35</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> " .....	33

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISOW7821	SLLSF40A	SLLSF40B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISOW7821>

#### Reason for Change:

To accurately reflect device characteristics.

<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.			
<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
ISOW7821DWE	ISOW7821DWER	ISOW7821FDWE	<b>ISOW7821FDWER</b>

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

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