

<b>PCN Number:</b>	20190315003.0	<b>PCN Date:</b>	March 22, 2019
<b>Title:</b>	Datasheet for ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844		
<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.



**ISOW7840, ISOW7841**  
**ISOW7842, ISOW7843, ISOW7844**  
SLLSEY2F – MARCH 2017 – REVISED MARCH 2019

Changes from Revision E (November 2017) to Revision F	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
• 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.....	7
• 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.....	7
• Deleted "T <sub>J</sub> 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.....	7
• Added "see <a href="#">Figure 42</a> " to TEST CONDITIONS of V <sub>IOWM</sub> specification.....	9
• Added the following note to <a href="#">Figure 33</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> ".....	30
• Added the following note to <a href="#">Figure 38</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> ".....	36
• 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.....	37
• Added the following note to <a href="#">Figure 39</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> ".....	37
• Added <a href="#">Insulation Lifetime</a> sub-section under <a href="#">Application Curve</a> section.....	38
• 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.....	39
• Added the following note to <a href="#">Figure 43</a> : "Optional 100 µF capacitor can be added between V <sub>CC</sub> and GND1; refer to <a href="#">Power Supply Recommendations</a> ".....	41

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISOW7840, ISOW7841, ISOW7842, ISOW7843, ISOW7844	SLLSEY2E	SLLSEY2F

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISOW7840>

#### 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>			
ISOW7840DWE	ISOW7841DWER	ISOW7842FDWE	ISOW7843FDWER
ISOW7840DWER	ISOW7841FDWE	ISOW7842FDWER	ISOW7844DWE
ISOW7840FDWE	ISOW7841FDWER	ISOW7843DWE	ISOW7844DWER
ISOW7840FDWER	ISOW7842DWE	ISOW7843DWER	ISOW7844FDWE
ISOW7841DWE	ISOW7842DWER	ISOW7843FDWE	ISOW7844FDWER

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

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Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
WW PCN Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>