



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20180301000**  
**Datasheet for ISOW7840, ISOW7841 ISOW7842, ISOW7843, ISOW7844**  
**Information Only**

**Date:** March 05, 2018  
**To:** PREMIER 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 PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN 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.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
ISOW7840DWE	null
ISOW7840FDWE	null
ISOW7841DWER	null
ISOW7841FDWER	null
ISOW7842DWE	null
ISOW7842FDWE	null
ISOW7843DWE	null
ISOW7843FDWE	null
ISOW7844DWE	null
ISOW7844FDWE	null

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

<b>PCN Number:</b>	20180301000	<b>PCN Date:</b>	March 05, 2018
<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**

SLLSEY2D – MARCH 2017 – REVISED NOVEMBER 2017

#### Changes from Revision C (October 2017) to Revision D

Page

• Changed the ISOW7840 device from <i>Preview</i> to <i>Production Data</i> .....	1
• Added the ISOW7840 current parameters to each <i>Supply Current Characteristics</i> table .....	11
• Changed $I_{ISO}$ to $I_{LOAD}$ and the value of wave clock input from 0.5, 5, and 50 MHz to 1, 10, and 100 Mbps in the test conditions for the ISOW7841 current parameters in each <i>Supply Current Characteristics</i> table .....	11
• Deleted <i>no external <math>I_{LOAD}</math></i> test condition for the current available to isolated supply parameter for the ISOW7842 and ISOW7844 devices in each <i>Supply Current Characteristics</i> table .....	12
• Changed the labels of the curves in the <i>Thermal Derating Curve for Safety Limiting Current per VDE</i> .....	20
• Added the supply current versus data rate graphs for the ISOW7840 in the <i>Typical Characteristics</i> section.....	21
• Changed the ground symbols for the input schematic for devices with F suffix and the SEL pin in the <i>Device I/O Schematics</i> figure .....	31



**ISOW7840, ISOW7841  
ISOW7842, ISOW7843, ISOW7844**

SLLSEY2E – MARCH 2017 – REVISED NOVEMBER 2017

#### Changes from Revision D (November 2017) to Revision E

Page

• Changed the ISOW7843 device from <i>Preview</i> to <i>Production Data</i> .....	1
• Added the ISOW7843 current parameters to each <i>Supply Current Characteristics</i> table .....	12
• Added the supply current versus data rate graphs for the ISOW7843 in the <i>Typical Characteristics</i> section.....	25

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISOW7840, ISOW7841 ISOW7842, ISOW7843, ISOW7844	SLLSEY2C	SLLSEY2D
ISOW7840, ISOW7841 ISOW7842, ISOW7843, ISOW7844	SLLSEY2D	SLLSEY2E

These changes may be reviewed at the datasheet links provided.

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

#### 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.

<b>Changes to product identification resulting from this PCN:</b>			
None.			
<b>Product Affected:</b>			
ISOW7840DWE	ISOW7840DWER	ISOW7840FDWE	ISOW7840FDWER
ISOW7841DWE	ISOW7841DWER	ISOW7841FDWE	ISOW7841FDWER
ISOW7842DWE	ISOW7842DWER	ISOW7842FDWE	ISOW7842FDWER
ISOW7843DWE	ISOW7843DWER	ISOW7843FDWE	ISOW7843FDWER
ISOW7844DWE	ISOW7844DWER	ISOW7844FDWE	ISOW7844FDWER

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

<b>Location</b>	<b>E-Mail</b>
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>