



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20190315003.0
Datasheet for ISOW7840, ISOW7841, ISOW7842, ISOW7843,
ISOW7844
Information Only

Date: March 22, 2019
To: Newark/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 Team (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.

DEVICE	CUSTOMER PART NUMBER
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).

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



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 Features	1
• Added ">100-Year Projected Lifetime at 1 kV _{RMS} Working Voltage" bullet in Features	1
• Added "Up to 5000 V _{RMS} Isolation Rating" bullet in Features	1
• Added "Up to 10 kV _{PK} Surge Capability" bullet in Features	1
• Added "±8 kV IEC 61000-4-2 Contact Discharge Protection across Isolation Barrier" bullet in Features	1
• Updated Simplified Schematic 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 ESD Ratings 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 ESD Ratings table.....	7
• Deleted "T _J or Junction temperature" parameter from Recommended Operating Conditions table as it is already specified in Absolute Maximum Ratings table.....	7
• Added "see Figure 42 " to TEST CONDITIONS of V _{IOWM} specification.....	9
• Added the following note to Figure 33 : "Optional 100 µF capacitor can be added between V _{CC} and GND1; refer to Power Supply Recommendations ".....	30
• Added the following note to Figure 38 : "Optional 100 µF capacitor can be added between V _{CC} and GND1; refer to Power Supply Recommendations ".....	36
• Added the following text to Design Requirements : "Optional 100 µF decoupling capacitor can be added between V _{CC} and GND1 pins; refer to Power Supply Recommendations for more details.....	37
• Added the following note to Figure 39 : "Optional 100 µF capacitor can be added between V _{CC} and GND1; refer to Power Supply Recommendations ".....	37
• Added Insulation Lifetime sub-section under Application Curve section.....	38
• Added text to Power Supply Recommendations section to emphasise that input decoupling capacitor should be larger than output capacitor by at least 100 µF.....	39
• Added the following note to Figure 43 : "Optional 100 µF capacitor can be added between V _{CC} and GND1; refer to Power Supply Recommendations ".....	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.			
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:			
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.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN_ww_admin_team@list.ti.com