

<b>PCN Number:</b>	20170118005	<b>PCN Date:</b>	Feb. 14, 2017
<b>Title:</b>	Datasheet for ISO5851		
<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.



ISO5851

SLLSEN5B – JUNE 2015 – REVISED JANUARY 2017

#### Changes from Revision A (June 2015) to Revision B

Page

• Changed the Title From: "Active Safety Features" To: Active Protection Features" .....	1
• Changed Feature From: Surge Immunity 12800-V <sub>PK</sub> (according to IEC 61000-4-5) To: Isolation Surge Withstand Voltage 12800-V <sub>PK</sub> .....	1
• Added the <i>Power Ratings</i> table .....	7
• Moved <i>Insulation Characteristics</i> to the <i>Specifications</i> .....	7
• Changed the Test Conditions and values for q <sub>pd</sub> in <i>Insulation Characteristics</i> .....	7
• Changed R <sub>IO</sub> From: 100°C ≤ T <sub>A</sub> ≤ max To: 100°C ≤ T <sub>A</sub> ≤ 125°C in the <i>Insulation Characteristics</i> .....	7
• Moved <i>Safety-Related Certifications</i> to the <i>Specifications</i> .....	8
• Changed the CSA status from planned to certified .....	8
• Moved <i>Safety Limiting Values</i> to the <i>Specifications</i> .....	8
• Added the <i>Reinforced High-Voltage Capacitor Life Time Projection</i> figure to <i>Insulation Characteristics Curves</i> .....	11
• Changed the <i>Thermal Derating Curve for Limiting Current per VDE</i> figure and Added the <i>Thermal Derating Curve for Limiting Power per VDE</i> figure .....	11
• Added the <i>I<sub>CC1</sub> Supply Current vs Temperature</i> figure to the <i>Typical Characteristics</i> .....	13
• Changed the <i>OUT Propagation Delay, Non-Inverting Configuration</i> figure .....	18
• Changed the <i>OUT Propagation Delay, Inverting Configuration</i> figure .....	18
• Added text ", but connecting CLAMP output of the gate driver to the IGBT gate is also not an issue." to <i>Supply and Active Miller Clamp</i> .....	21
• Changed the second paragraph of the <i>Typical Applications</i> .....	23
• Added text "and $\overline{RST}$ input signal" to <i>Design Requirements</i> .....	24
• Deleted text " and a 220-pF filtering capacitor." from <i>Recommended ISO5851 Application Circuit</i> .....	25
• Deleted text "thereby, providing protection against further catastrophic failures." From: the <i>Global-Shutdown and Reset</i> section .....	27
• Changed the <i>Normal Operation - Bipolar Supply</i> and <i>Normal Operation - Unipolar Supply</i> figures .....	32
• Changed the <i>PCB Material</i> section .....	33
• Changed the <i>Electrostatic Discharge Caution</i> .....	34

The datasheet number will be changing.

Device Family	Change From:	Change To:
ISO5851	SLLSEN5A	SLLSEN5B

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/ISO5851>

**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:**

ISO5851DW	ISO5851DWR		
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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>