

<b>Notification Number:</b>	20210927000.0	<b>Notification Date:</b>	June 27, 2022
<b>Title:</b>	Datasheet for TPS3851-Q1 and TPS3431-Q1		
<b>Customer Contact:</b>	PCN Manager	<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.



**TPS3851-Q1**

SBVS286A – MARCH 2017 – REVISED SEPTEMBER 2021

#### Changes from Revision \* (March 2017) to Revision A (September 2021)

**Page**

• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Removed "±15% Accurate Watchdog Timeout and Watchdog Reset Delays Over Temperature".....	1
• Added "Functional Safety-capable" bullet.....	1
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Added "on the VDD pin" for clarification.....	1
• Updated ESD Ratings.....	4
• Updated I <sub>CWD</sub> min and max spec.....	5
• Updated V <sub>CWD</sub> min and max spec.....	5
• Added a footnote to for t <sub>INIT</sub> .....	6
• Updated t <sub>WDU</sub> min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	16
• Updated t <sub>WDU</sub> min and max values for all capacitors.....	16
• Updated the equations 6 and 7 to replace 0.85 and 1.15 to 0.905 and 1.095 respectively.....	19



**TPS3431-Q1**

SNVSB67A – JULY 2018 – REVISED OCTOBER 2021

#### Changes from Revision \* (July 2018) to Revision A (June 2021)

**Page**

• Removed "±15% Accurate Watchdog Timeout and Watchdog Reset Delays Over Temperature".....	1
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Added "Functional Safety-capable" bullet.....	1
• Updated the Applications section with web links.....	1
• Removed "15% timing accuracy (–40°C to +125°C),".....	1
• Added "The TPS3431-Q1 features wettable flanks for easy optical inspection.".....	1
• Updated ESD Ratings.....	4
• Updated I <sub>CWD</sub> min and max spec.....	5
• Updated V <sub>CWD</sub> min and max spec.....	5
• Added a footnote to for t <sub>INIT</sub> .....	6
• Updated t <sub>WDU</sub> min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	14
• Updated t <sub>WDU</sub> min and max values for all capacitors.....	14
• Updated the equations 3 and 4 with t <sub>WD</sub> min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively.....	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS3851-Q1	SBVS286	SBVS286A
TPS3431-Q1	SNVSB67	SNVSB67A

These changes may be reviewed at the datasheet links provided.

<https://www.ti.com/product/TPS3851-Q1>

<https://www.ti.com/product/TPS3431-Q1>

**Error! Bookmark not defined.**

**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 notification:**

None.

**Product Affected:**

TPS3431SQDRBRQ1	TPS3851G33EQDRBRQ1	TPS3851H25EQDRBRQ1	TPS3851H50EQDRBRQ1
TPS3851G18EQDRBRQ1	TPS3851G33SQDRBRQ1	TPS3851H25SQDRBRQ1	TPS3851H50SQDRBRQ1
TPS3851G18SQDRBRQ1	TPS3851G50EQDRBRQ1	TPS3851H30EQDRBRQ1	TPS3852G18QDRBRQ1
TPS3851G25EQDRBRQ1	TPS3851G50SQDRBRQ1	TPS3851H30SQDRBRQ1	TPS3852G33QDRBRQ1
TPS3851G25SQDRBRQ1	TPS3851H18EQDRBRQ1	TPS3851H33EQDRBRQ1	TPS3852H18QDRBRQ1
TPS3851G30EQDRBRQ1	TPS3851H18SQDRBRQ1	TPS3851H33SQDRBRQ1	TPS3852H33QDRBRQ1
TPS3851G30SQDRBRQ1			

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