Notification Number:	20210927000.0.A	Notification Date:	July 06, 2022
Title:	Datasheet for TPS3851-Q1 and TPS3431-Q1		
Customer Contact:	PCN Manager	Dept:	Quality Services

Change Type:		
☐ Assembly Site	☐ Design	☐ Wafer Bump Site
☐ Assembly Process	☒ Data Sheet	☐ Wafer Bump Material
☐ Assembly Materials	☐ Part number change	☐ Wafer Bump Process
☐ Mechanical Specification	☐ Test Site	☐ Wafer Fab Site
☐ Packing/Shipping/Labeling	☐ Test Process	☐ Wafer Fab Materials
		☐ 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.

TEXAS INSTRUMENTS

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_{CWD} min and max spec	5
• Updated V_{CWD} min and max spec	5
• Added a footnote to for t_{INIT}	6
• Updated t_{WDU} min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively	16
• Updated t_{WDU} 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

TEXAS INSTRUMENTS

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_{CWD} min and max spec	5
• Updated V_{CWD} min and max spec	5
• Added a footnote to for t_{INIT}	6
• Updated t_{WDU} min and max boundry values from 0.85 and 1.15 to 0.905 and 1.095 respectively	14
• Updated t_{WDU} min and max values for all capacitors	14
• Updated the equations 3 and 4 with t_{WD} 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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Location	E-Mail
WW PCN Team	PCN_ww_admin_team@list.ti.com

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