

<b>PCN Number:</b>	20170613009	<b>PCN Date:</b>	Dec. 18, 2017
<b>Title:</b>	Datasheet for LP8861-Q1		
<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.



**LP8861-Q1**

SNVSA50C – AUGUST 2015 – REVISED MAY 2017

#### Changes from Revision B (April 2017) to Revision C

Page

- Expanded descriptions for pins 3, 8, 9, 10, and 16 in *Pin Functions* ..... 5

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

Page

- Changed "Dimming Ratio of 10 000:1 at 200 Hz" to "Dimming Ratio of 10 000:1 at 100 Hz" ..... 1
- Changed some minor wording of *Features* ..... 1
- Added new bulleted items to *Applications* ..... 1
- Changed "controller" to "converter" and "The high switching..." to "A wide-range adjustable..." ..... 1
- Added *Device Comparison Table* table ..... 3
- Changed "In synchronization" to "If synchronization" ..... 5
- Changes to *PWM Brightness Control Electrical Characteristics*: delete " $I_{OUT} = 100$  mA. No external load from LDO" from Minimum ON/OFF time test conditions; move "0.5" from MAX to TYP in same row; add footnote 1 ..... 8
- Added footnote 1 to *Boost/SEPIC Converter Characteristics* for  $T_{off}$ ,  $t_{sync\_on\_min}$ , and  $t_{sync\_off\_min}$  ..... 8
- Deleted "Initial DC-DC voltage is about 88% of  $V_{MAX\_BOOST}$ ." from *Integrated Boost/SEPIC Converter* ..... 14
- Changed *Equation 1* ..... 14
- Added definitions for *Equation 1* ..... 14
- Added paragraph after *Figure 9* ..... 14
- Added new paragraph before *Internal LDO* ..... 16
- Deleted "Dimming ratio is calculated as ratio between the input PWM period and minimum on/off time (0.5  $\mu$ s)." from *Brightness Control* ..... 16
- Changed "less then" to "less than" ..... 27

The datasheet number will be changing.

Device Family	Change From:	Change To:
LP8861-Q1	SNVSA50A	<b>SNVSA50C</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/LP8861-Q1>

#### Reason for Change:

To accurately reflect device characteristics.

<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
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>			
LP8861QPWPRQ1			

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>
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