

|                          |                             |                                     |                     |
|--------------------------|-----------------------------|-------------------------------------|---------------------|
| <b>PCN Number:</b>       | 20190610000.0               | <b>PCN Date:</b>                    | June 27, 2019       |
| <b>Title:</b>            | Datasheet for LM5170-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.



**LM5170-Q1**

SNVSAQ6B –NOVEMBER 2016–REVISED JUNE 2019

#### Changes from Revision A (June 2017) to Revision B

**Page**

|  |    |
|--|----|
| • Added Table note to Recommended Operating Conditions table regarding LV-Port Boost mode .....                  | 7  |
| • Changed ISETD PWM frequency MAX value from 100 to 1000 kHz in the Recommended Operating Conditions table ..... | 7  |
| • Changed IPK internal current source spec from 22.5 MIN to 24.375 and 27.5 MAX to 25.625 in the EC table .....  | 9  |
| • Added MIN and MAX values to IPK <sub>Buck</sub> spec, and IPK <sub>Boost</sub> spec values .....               | 9  |
| • Changed Functional Block Diagram image. ....   | 16 |
| • Changed term 1.1 mA to 1.1 µA in <a href="#">Equation 13</a> .....   | 22 |
| • Changed source current from 25 mA to 25 µA in <a href="#">Figure 25</a> .....                                  | 23 |
| • Changed <a href="#">Figure 55</a> to correct the pin numbers for OVPA and OVPB .....                           | 48 |

The datasheet number will be changing.

|               |              |            |
|---------------|--------------|------------|
| Device Family | Change From: | Change To: |
| LM5170-Q1     | SNVSAQ6A     | SNVSAQ6B   |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/LM5170-Q1>

#### 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:

|               |               |  |  |
|---------------|---------------|--|--|
| LM5170QPHPRQ1 | LM5170QPHPTQ1 |  |  |
|---------------|---------------|--|--|

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          | <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>     |
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