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|-----------------------------|--------------------------------------|---------------------------|------------------|
| Notification Number: | 20230403003.0 | Notification Date: | April 24, 2023 |
| Title: | Datasheet for BQ25601 | | |
| Customer Contact: | Notification Manager | Dept: | Quality Services |
| Change Type: | Electrical Specification | | |

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.



BQ25601

SLUSCK5A – MARCH 2017 – REVISED MARCH 2023

| Changes from Revision * (March 2017) to Revision A (March 2023) | Page |
|--|------|
| • Added IEC 62368-1 Feature..... | 1 |
| • Deleted WEBENCH throughout data sheet..... | 1 |
| • Added Section 6 | 4 |
| • Deleted OVPFET_DIS = 1 from Quiescent Currents I _{BAT} and I _{VBUS_HIZ} Test Conditions in Section 8.5 | 8 |
| • Deleted V _{REGN} MAX values in Section 8.5 | 8 |
| • Deleted Section 8.5 table note..... | 8 |
| • Added Section 8.6 | 13 |
| • Added last sentence to Section 9.3.3.5 | 19 |
| • Changed Figure 9-3 | 22 |
| • Changed Figure 9-4 | 22 |
| • Added Figure 9-5 | 22 |
| • Added Charge termination is disabled for cool and warm conditions. to third paragraph in Section 9.3.7.5 ... | 22 |
| • Changed Figure 9-6 | 24 |
| • Changed "fault" to "the timer" in last paragraph of Section 9.3.7.7 | 24 |
| • Added Section 9.4 | 26 |
| • Changed Figure 9-7 | 26 |
| • Changed first sentence in Section 9.4.3 | 27 |
| • Added Section 9.5 | 30 |
| • Changed inclusive terminology throughout document..... | 30 |
| • Changed 010 to 011 in Description in Table 9-13 | 41 |
| • Changed Power Path Management Application schematic..... | 45 |
| • Added Section 10.2.1 | 45 |
| • Changed > to ≤ in last paragraph in Section 10.2.2.3 | 46 |
| • Added Section 10.2.3 | 47 |
| • Added Section 13.2.1 | 54 |

The datasheet number will be changing.

| | | |
|---------------|--------------|------------|
| Device Family | Change From: | Change To: |
| BQ25601 | SLUSCK5 | SLUSCK5A |

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/BQ25601>

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 documentation change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this notification:

None.

Product Affected:

| | | | |
|-------------|-------------|--|--|
| BQ25601RTWR | BQ25601RTWT | | |
|-------------|-------------|--|--|

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 |
|---------------------------|--|
| WW Change Management Team | PCN_ww_admin_team@list.ti.com |

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