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|-----------------------------|--|---------------------------|------------------|
| Notification Number: | 20210217006 | Notification Date: | Feb. 25, 2021 |
| Title: | Datasheet for TPS653850A-Q1, TPS653852A-Q1 | | |
| Customer Contact: | PCN 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.



TPS653850A-Q1, TPS653852A-Q1
SLVSF93A – JANUARY 2020 – REVISED JANUARY 2021

| Changes from Revision * (January 2020) to Revision A (January 2021) | Page |
|--|------|
| • Added the Functional Safety-Compliant status to the <i>Features</i> section. | 1 |
| • Updated the numbering format for tables, figures, and cross-references throughout the document..... | 1 |
| • Added POS 8.1a, IGN_WUP falling threshold and clarified POS 8.1 IGN_WUP threshold is rising in the Ignition and CAN Wakeup Electrical Characteristics section..... | 25 |
| • Added POS 8.2a, CAN_WUP falling threshold and clarified POS 8.2 CAN_WUP threshold is rising in the Ignition and CAN Wakeup Electrical Characteristics section..... | 25 |
| • Changed POS 8.3 WUP_hyst to tighten hysteresis in the Ignition and CAN Wakeup Electrical Characteristics section..... | 25 |
| • Updated SPI Timing Parameter Figure to clarify SDO behaviour at the beginning of the SPI frame..... | 31 |
| • Added clarification on IGN wake up from OFF state versus STAND-BY state behaviour and IGN_PWRL use in the <i>Wakeup</i> section to clarify device operation..... | 39 |
| • Changed the <i>Device-Controller State Diagram</i> section for clarity of the wakeup conditions from OFF state... | 85 |
| • Clarified the commands in the <i>SPI Command Space</i> table. | 98 |
| • Changed the re-initialized value in the register description row to be consistent with the description in the bit fields for the <i>DEV_ID Register</i> | 104 |
| • Clarified the use of CAN_PWD command in the CANWU_L bit field of the <i>DEV_STAT Register</i> | 104 |
| • Updated the thermal pad electrical connection note in the <i>Layout</i> section to add clarity..... | 157 |

The datasheet number will be changing.

| | | |
|------------------------------|--------------|------------|
| Device Family | Change From: | Change To: |
| TPS653850A-Q1, TPS653852A-Q1 | SLVSF93 | SLVSF93A |

The document is not available on the TI website. Please contact the TI Customer Quality Engineer (CQE) for a copy of the datasheet.

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:

| | | | |
|---------------|---------------|--|--|
| O3850AQDCARQ1 | O3852AQDCARQ1 | | |
|---------------|---------------|--|--|

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

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