

Notification Number:	20210217003	Notification Date:	Feb. 24, 2021
Title:	Datasheet for TPS653853A-Q1, TPS653854A-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.



TPS653853A-Q1, TPS653854A-Q1
SLVSF95A – 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
• Changed 100 mA VSOUT2 output current to 20 mA in the <i>Features</i> section and the <i>Functional Block Diagram</i>	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.....	23
• 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.....	23
• Changed POS 8.3 WUP_hyst to tighten hysteresis in the Ignition and CAN Wakeup Electrical Characteristics section.....	23
• Added POS 16.26 V _{SAM_Input_FLOAT_SWsig_on}	29
• Added POS 16.27 I _{leak_SAM_Input_SWsig_on}	29
• 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...	87
• Clarified the use of CAN_PWD command in the CANWU_L bit field of the <i>DEV_STAT</i> Register.	121
• Updated the thermal pad electrical connection note in the <i>Layout</i> section to add clarity.....	186

The datasheet number will be changing.

Device Family	Change From:	Change To:
TPS653853A-Q1, TPS653854A-Q1	SLVSF95	SLVSF95A

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:

O3853AQDCARQ1	O3854AQDCARQ1		
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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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