12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20240314003.0
Datasheet for UCC21732-Q1, UCC21732, UCC21739-Q1
Information Only

Date: March 15, 2024
To: MOUSER PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services

20240314003.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records**,** you have recently purchased these devices**.** The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
UCC21732DW	NULL
UCC21732DWR	NULL
UCC21732QDWQ1	NULL
UCC21732QDWRQ1	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20240314003.0	PCN Date:	March 15, 2024
Title:	Datasheet for UCC21732-Q1, UCC21732, UCC21739-Q1		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN 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.

TEXAS INSTRUMENTS

UCC21732-Q1
SLUSDH7C – FEBRUARY 2019 – REVISED JANUARY 2024

Changes from Revision B (September 2019) to Revision C (January 2024) **Page**

- Added Automotive in title....1
- Added sub-bullets under AEC-Q100 qualification....1
- Added safety-related certifications to Features....1
- Added what to do with unused pins to Pin Functions table....3
- Changed recommended value of decoupling capacitors in Pin Functions table....3
- Added recommended decoupling capacitor layout placement in Pin Functions table....3
- Changed insulation voltage according to the latest standard....6
- Changed certification status in Safety-Related Certifications....7
- Changed max safety input values in Safety Limiting Values....7
- Deleted short circuit clamping MAX values in Electrical Characteristics....8
- Changed V_{AIN} MIN value to 0.6V in Electrical Characteristics....8
- Changed rise and fall times in Switching Characteristics to correct data sheet draft errors....10
- Changed thermal derating curves in Insulation Characteristics Curves to reflect device characteristics....11
- Changed to correct Functional Block Diagram to reflect device characteristics....24
- Changed Figure 7-5....28
- Removed 150ns from deglitch filter block....29
- Added function state showing gate driver turning on and changed RDY condition when VCC is PD in Function Table....31
- Changed Figure 8-8....40
- Changed Figure 8-9....41
- Changed Figure 8-10....42
- Deleted tie dot in Figure 8-17....46

Changes from Revision B (October 2020) to Revision C (January 2024) **Page**

- Added safety-related certifications to Features....1
- Added what to do with unused pins to Pin Functions table....3
- Changed recommended value of decoupling capacitors in Pin Functions table....3
- Added recommended decoupling capacitor layout placement in Pin Functions table. 3
- Changed insulation voltage according to the latest standard....6
- Changed certification status in Safety-Related Certifications....7
- Changed max safety input values in Safety Limiting Values....7
- Deleted short circuit clamping MAX values in Electrical Characteristics....8
- Changed V_{AIN} MIN value to 0.6V in Electrical Characteristics....8
- Changed rise and fall times in Switching Characteristics to correct data sheet draft errors....10
- Changed thermal derating curves in Insulation Characteristics Curves to reflect device characteristics....11
- Changed to correct Functional Block Diagram to reflect device characteristics....24
- Changed Figure 7-5 28
- Removed 150ns from deglitch filter block....29
- Added function state showing gate driver turning on and changed RDY condition when VCC is PD in Function Table. 31
- Changed Figure 8-8 40
- Changed Figure 8-9 41
- Changed Figure 8-10 42
- Deleted tie dot in Figure 8-17 46

Changes from Revision * (March 2020) to Revision A (January 2024) **Page**

- Updated the numbering format for tables, figures, and cross-references throughout the document....1
- Added sub-bullets under AEC-Q100 qualifications....1
- Added safety-related certifications to Features. Changed isolation rating per the latest standard. 1
- Added what to do with unused pins to Pin Functions Table....3
- Changed recommended value of decoupling capacitors....3
- Added recommended decoupling capacitor layout placement....3
- Changed VDE ratings per the latest standard....6
- Changed certification table according to latest standard and status....7
- Deleted short circuit clamping max condition....8
- Changed VAin lower limit to 0.6V....8
- Changed Figure 7-5 28
- Changed Figure 7-6 29
- Added function state showing gate driver turning on and changed RDY condition when VCC is PD in Function Table 31
- Changed Figure 8-8 40
- Changed Figure 8-9 41
- Changed Figure 8-10 42
- Changed Figure 8-17 46

The datasheet number will be changing.

Device Family	Change From:	Change To:
UCC21732-Q1	SLUSDH7B	**SLUSDH7C**
UCC21732	SLUSD77B	**SLUSD77C**
UCC21739-Q1	SLUSDS3	**SLUSDS3A**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/UCC21732-Q1
http://www.ti.com/product/UCC21732
http://www.ti.com/product/UCC21739-Q1

Reason for Change:

This particular PCN is related to TI's multiyear transition plan for our two remaining factories with 150-millimeter production (DFAB in Dallas, Texas, and SFAB in Sherman, Texas). DFAB will remain open, but will focus on 200-mm production, with a smaller set of technologies. SFAB will close no earlier than 2024 and no later than 2025. As referenced in the "reason for change" below, these changes are part of our multiyear plan to transition these products to newer, more efficient manufacturing processes and technologies, underscoring our commitment to product longevity and supply continuity.

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:

UCC21732QDWQ1	UCC21732QDWRQ1	UCC21732DW	UCC21732DWR
UCC21739QDWQ1	UCC21739QDWRQ1		

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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