

<b>Notification Number:</b>	20230118001.0	<b>Notification Date:</b>	February 01, 2023
<b>Title:</b>	Datasheet for UCC21750 and UCC21750-Q1		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services

**Change Type:** Electrical Specification

**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.



Changes from Revision B (December 2019) to Revision C (January 2023)	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. ....	3
• Added recommended decoupling capacitor layout placement. ....	3
• Changed test conditions per DIN EN IEC 60747-17 (VDE 0884-17) .....	5
• Changed I <sub>chg</sub> lower limit to 430uA.....	6
• Changed V <sub>Ain</sub> lower limit to 0.6V.....	6
• Changed direction of I <sub>CLMPI</sub> in V <sub>CLP-CLMPI</sub> test condition.....	6
• Added test condition for soft turn-off current.....	6
• Deleted short circuit clamping max condition.....	6
• Deleted V <sub>DESATL</sub> .....	6
• Changed from 150ns to 120ns .....	6
• Changed from 150ns to 148ns.....	6
• Deleted 9600 V from Value column in the V <sub>IOTM</sub> row.....	6
• Changed VDE and UL to certified.....	8
• Changed DESAT figure.....	28
• Changed DESAT soft turn-off figure.....	28
• Added function state showing gate driver turning on. Changed RDY condition when VCC is PD. ....	30
• Added <a href="#">Section 9.2.3</a> .....	42



Changes from Revision B (March 2020) to Revision C (January 2023)	Page
• Added AEC-Q100 sub bullets to Features.....	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. ....	3
• Added recommended decoupling capacitor layout placement. ....	3
• Changed test conditions per DIN EN IEC 60747-17 (VDE 0884-17) .....	5
• Changed I <sub>chg</sub> lower limit to 430uA.....	6
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• Changed VDE and UL to certified.....	8
• Changed DESAT figure.....	28
• Changed DESAT soft turn-off figure.....	28
• Added function state showing gate driver turning on. Changed RDY condition when VCC is PD. ....	30

The datasheet number will be changing.

Device Family	Change From:	Change To:
UCC21750	SLUSD78B	SLUSD78C
UCC21750-Q1	SLUSDH9B	SLUSDH9C

These changes may be reviewed at the datasheet links provided.

<a href="http://www.ti.com/product/UCC21750">http://www.ti.com/product/UCC21750</a>			
<a href="http://www.ti.com/product/UCC21750-Q1">http://www.ti.com/product/UCC21750-Q1</a>			
<b>Reason for Change:</b>			
To accurately reflect device characteristics.			
<b>Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):</b>			
No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.			
<b>Changes to product identification resulting from this notification:</b>			
None.			
<b>Product Affected:</b>			
UCC21750DW	UCC21750DWR	UCC21750QDWQ1	UCC21750QDWRQ1

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	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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