



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**Notification# 20240819002.0**

**Datasheet for TS3USB221E, UCC21756-Q1, UCC21755-Q1, UCC21737-Q1, UCC21717-Q1, and UCC21710-Q1**

**Information Only Datasheet**

**Date:** August 20, 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





**20240819002.0**  
**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
TS3USB221EDRCR	NULL
TS3USB221ERSER	NULL
UCC21717QDWRQ1	NULL
UCC21737QDWRQ1	NULL
UCC21755QDWRQ1	NULL
UCC21756QDWRQ1	NULL

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

<b>PCN Number:</b>	20240819002.0		<b>PCN Date:</b>	August 20, 2024																								
<b>Title:</b>	Datasheet for TS3USB221E, UCC21756-Q1, UCC21755-Q1, UCC21737-Q1. UCC21717-Q1, and UCC21710-Q1																											
<b>Customer Contact:</b>	Change Management team	<b>Dept:</b>	Quality Services																									
<b>Change Type:</b>	Electrical Specification																											
<b>PCN Details</b>																												
<b>Description of Change:</b>																												
<p>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.</p>																												
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>TEXAS INSTRUMENTS</b></p> </div> <div style="text-align: right;"> <p><b>TS3USB221E</b></p> <p>SCDS263E – SEPTEMBER 2009 – REVISED JULY 2024</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision D (September 2019) to Revision E (July 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Updated the numbering format for tables, figures, and cross-references throughout the document.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Changed ESD HBM performance testing standard from: JESD 22 to: JEDEC JS-001.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Changed ESD CDM performance testing standard from: JESD22-C101 to: JEDEC JS-002.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Added tablenote to the Data input/output voltage parameter.....</td> <td style="text-align: right;">4</td> </tr> <tr> <td>• Changed RSE (UQFN) junction-to-ambient thermal resistance value from: 169.8°C/W to: 204.8°C/W.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed RSE (UQFN) junction-to-case (top) thermal resistance value from: 84.7°C/W to: 118.1°C/W.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed RSE (UQFN) junction-to-board thermal resistance value from: 94.9°C/W to: 121.5°C/W.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed RSE (UQFN) junction-to-top characterization parameter value from: 5.7°C/W to: 13.9°C/W.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed RSE (UQFN) junction-to-board characterization parameter value from: 94.9°C/W to: 121.2°C/W.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed the V<sub>IK</sub> value in the <i>Electrical Characteristics</i> table from: –1.8V maximum to: –1.8V minimum.....</td> <td style="text-align: right;">5</td> </tr> <tr> <td>• Changed the graphs in the <i>Typical Characteristics</i> section.....</td> <td style="text-align: right;">7</td> </tr> </tbody> </table>					Changes from Revision D (September 2019) to Revision E (July 2024)	Page	• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1	• Changed ESD HBM performance testing standard from: JESD 22 to: JEDEC JS-001.....	4	• Changed ESD CDM performance testing standard from: JESD22-C101 to: JEDEC JS-002.....	4	• Added tablenote to the Data input/output voltage parameter.....	4	• Changed RSE (UQFN) junction-to-ambient thermal resistance value from: 169.8°C/W to: 204.8°C/W.....	5	• Changed RSE (UQFN) junction-to-case (top) thermal resistance value from: 84.7°C/W to: 118.1°C/W.....	5	• Changed RSE (UQFN) junction-to-board thermal resistance value from: 94.9°C/W to: 121.5°C/W.....	5	• Changed RSE (UQFN) junction-to-top characterization parameter value from: 5.7°C/W to: 13.9°C/W.....	5	• Changed RSE (UQFN) junction-to-board characterization parameter value from: 94.9°C/W to: 121.2°C/W.....	5	• Changed the V <sub>IK</sub> value in the <i>Electrical Characteristics</i> table from: –1.8V maximum to: –1.8V minimum.....	5	• Changed the graphs in the <i>Typical Characteristics</i> section.....	7
Changes from Revision D (September 2019) to Revision E (July 2024)	Page																											
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1																											
• Changed ESD HBM performance testing standard from: JESD 22 to: JEDEC JS-001.....	4																											
• Changed ESD CDM performance testing standard from: JESD22-C101 to: JEDEC JS-002.....	4																											
• Added tablenote to the Data input/output voltage parameter.....	4																											
• Changed RSE (UQFN) junction-to-ambient thermal resistance value from: 169.8°C/W to: 204.8°C/W.....	5																											
• Changed RSE (UQFN) junction-to-case (top) thermal resistance value from: 84.7°C/W to: 118.1°C/W.....	5																											
• Changed RSE (UQFN) junction-to-board thermal resistance value from: 94.9°C/W to: 121.5°C/W.....	5																											
• Changed RSE (UQFN) junction-to-top characterization parameter value from: 5.7°C/W to: 13.9°C/W.....	5																											
• Changed RSE (UQFN) junction-to-board characterization parameter value from: 94.9°C/W to: 121.2°C/W.....	5																											
• Changed the V <sub>IK</sub> value in the <i>Electrical Characteristics</i> table from: –1.8V maximum to: –1.8V minimum.....	5																											
• Changed the graphs in the <i>Typical Characteristics</i> section.....	7																											
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>TEXAS INSTRUMENTS</b></p> </div> <div style="text-align: right;"> <p><b>UCC21756-Q1</b></p> <p>SLUSEN8A – APRIL 2023 – REVISED JUNE 2024</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision * (April 2023) to Revision A (June 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Changed device temperature grade.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Features.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Specifications.....</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>					Changes from Revision * (April 2023) to Revision A (June 2024)	Page	• Changed device temperature grade.....	1	• Deleted ESD classifications from Features.....	1	• Deleted ESD classifications from Specifications.....	4																
Changes from Revision * (April 2023) to Revision A (June 2024)	Page																											
• Changed device temperature grade.....	1																											
• Deleted ESD classifications from Features.....	1																											
• Deleted ESD classifications from Specifications.....	4																											
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>TEXAS INSTRUMENTS</b></p> </div> <div style="text-align: right;"> <p><b>UCC21755-Q1</b></p> <p>SLUSEM9A – SEPTEMBER 2022 – REVISED JUNE 2024</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision * (September 2022) to Revision A (June 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Changed device temperature grade.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Features.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Specifications.....</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>					Changes from Revision * (September 2022) to Revision A (June 2024)	Page	• Changed device temperature grade.....	1	• Deleted ESD classifications from Features.....	1	• Deleted ESD classifications from Specifications.....	4																
Changes from Revision * (September 2022) to Revision A (June 2024)	Page																											
• Changed device temperature grade.....	1																											
• Deleted ESD classifications from Features.....	1																											
• Deleted ESD classifications from Specifications.....	4																											
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>TEXAS INSTRUMENTS</b></p> </div> <div style="text-align: right;"> <p><b>UCC21737-Q1</b></p> <p>SLUSEM3C – MARCH 2022 – REVISED JUNE 2024</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Changes from Revision B (January 2023) to Revision C (June 2024)</th> <th style="text-align: right;">Page</th> </tr> </thead> <tbody> <tr> <td>• Change device temperature grade to grade 1.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Features.....</td> <td style="text-align: right;">1</td> </tr> <tr> <td>• Deleted ESD classifications from Specifications.....</td> <td style="text-align: right;">4</td> </tr> </tbody> </table>					Changes from Revision B (January 2023) to Revision C (June 2024)	Page	• Change device temperature grade to grade 1.....	1	• Deleted ESD classifications from Features.....	1	• Deleted ESD classifications from Specifications.....	4																
Changes from Revision B (January 2023) to Revision C (June 2024)	Page																											
• Change device temperature grade to grade 1.....	1																											
• Deleted ESD classifications from Features.....	1																											
• Deleted ESD classifications from Specifications.....	4																											

**Changes from Revision A (June 2023) to Revision B (June 2024) Page**

• Changed device temperature grade.....	1
• Deleted ESD classifications from Features.....	1
• Deleted ESD classifications from Specifications.....	4

**Changes from Revision C (May 2023) to Revision D (June 2024) Page**

• Changed device temperature grade.....	1
• Deleted ESD classifications from Features.....	1

The datasheet number will be changing.

Device Family	Change From:	Change To:
<a href="#">TS3USB221E</a>	SCDS263D	<a href="#">SCDS263E</a>
<a href="#">UCC21756-Q1</a>	SLUSEN8	<a href="#">SLUSEN8A</a>
<a href="#">UCC21755-Q1</a>	SLUSEM9	<a href="#">SLUSEM9A</a>
<a href="#">UCC21737-Q1</a>	SLUSEM3B	<a href="#">SLUSEM3C</a>
<a href="#">UCC21717-Q1</a>	SLUSEK4A	<a href="#">SLUSEK4B</a>
<a href="#">UCC21710-Q1</a>	SLUSDH8C	<a href="#">SLUSDH8D</a>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TS3USB221E>  
<http://www.ti.com/product/UCC21756-Q1>  
<http://www.ti.com/product/UCC21755-Q1>  
<http://www.ti.com/product/UCC21737-Q1>  
<http://www.ti.com/product/UCC21717-Q1>  
<http://www.ti.com/product/UCC21710-Q1>

**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 PCN:**

None.

**Product Affected:**

TS3USB221EDRCR	TS3USB221ERSER	UCC21710QDWRQ1	UCC21717QDWRQ1
UCC21737QDWRQ1	UCC21755QDWRQ1	UCC21756QDWRQ1	

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

## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale ([www.ti.com/legal/termsofsale.html](http://www.ti.com/legal/termsofsale.html)) or other applicable terms available either on [ti.com](http://ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.