



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20171204001
Datasheet for TUSB544
Information Only**

Date: December 06, 2017
To: PREMIER FARNELL PCN

Dear Customer:

This is an information-only announcement of a change to the datasheet for 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 PCN Manager (PCN_ww_admin_team@list.ti.com).

Sincerely,

PCN Team
SC Business Services


Information Only Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TUSB544IRNQT	null

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

PCN Number:	20171204001	PCN Date:	December 06, 2017
Title:	Datasheet for TUSB544 <input type="checkbox"/>		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/> Assembly Site	<input type="checkbox"/> Design	<input type="checkbox"/> Wafer Bump Site	
<input type="checkbox"/> Assembly Process	<input checked="" type="checkbox"/> Data Sheet	<input type="checkbox"/> Wafer Bump Material	
<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Part number change	<input type="checkbox"/> Wafer Bump Process	
<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Site	<input type="checkbox"/> Wafer Fab Site	
<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Process	<input type="checkbox"/> Wafer Fab Materials	
		<input type="checkbox"/> Wafer Fab Process	
Notification Details			
Description of Change:			
<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>			
 TEXAS INSTRUMENTS		TUSB544 <small>SLLSEZ0D –APRIL 2017–REVISED OCTOBER 2017</small>	
Changes from Revision C (October 2017) to Revision D			Page
<ul style="list-style-type: none"> Changed text of the second paragraph in the <i>DESCRIPTION</i> From: "...cable and board trace loss due to inter symbol interference (ISI)" To: "...inter symbol interference (ISI) due to cable and board trace loss." Changed Pin 2 and Pin 35 text From: "When I2C_EN !=0,..." To: "In I2C mode,..." in the <i>Pin Functions</i>..... Changed Pin 14 text From: "...levels for the GPIO configuration..." To: "...levels for the 2-level GPIO configuration..." in the <i>Pin Functions</i>..... Changed Pin 17 in the text From: 0 = GPIO Mode (I²C disabled) To: 0 = GPIO Mode AUX Snoop enabled (I²C disabled) in the <i>Pin Functions</i> Changed Pins 21, 22, and 23 From: "When I2C_EN !=0,..." To: "In GPIO mode,..." in the <i>Pin Functions</i>..... Removed "When I2C_EN = 0" from pin 32. In pin 32, changed 2ms to t_{CTL1_DEBOUNCE} From: DEQ1 sets the high-frequency equalizer gain for downstream facing URX1, URX2, UTX1, UTX2 receivers. To: DEQ1 sets the high-frequency equalizer gain for downstream facing DRX1, DRX2, DTX1, DTX2 receivers Deleted the MAX value of 10 ms from t_{CTL1_DEBOUNCE} in the <i>Switching Characteristics</i> Added test Condition " DP lanes will be disabled if low for greater than min value" for t_{CTL1_DEBOUNCE} in the <i>Switching Characteristics</i> Changed text From: "There is an internal 30 kΩ pull-up and a 94kΩ pull-down." To: "There are internal pull-up and a pull-down resistors." in <i>4-Level Inputs</i>..... Changed text From: "...when I2C_EN = "0"." To: "...when I2C_EN = "0" or "F"." in the first paragraph of <i>Device Configuration in GPIO Mode</i> Changed Table 4 Changed text From: "...when I2C_EN is not equal to "0"." To: "...when I2C_EN is equal to "1"." in <i>Device Configuration in I2C Mode</i>..... Changed text From: "When I2C_EN is '0',..." To: "In I2C mode,..." in <i>DisplayPort Mode</i>..... Changed text From: "When I2C_EN is '0',..." To: "In GPIO mode,..." in <i>Custom Alternate Mode</i> Deleted the <i>Cable Mode</i> section and all "cable mode" from datasheet. 			1 4 5 5 5 5 5 6 10 10 18 19 21 28 29 29 29

• Changed Table 12	35
• Changed Bit 5-2 Type From: R/WU To: R/W in Table 15	36
• Changed Bit 7-0 Type From: R/WU To: R/W in Figure 25 and Table 16	37
• Changed Bit 7-0 Type From: R/WU To: R/W in Figure 26 and Table 17	37
• Changed Bit 6-0 Type From: RU To: RH in Figure 27 and Table 18	38
• Changed Figure 29 and Table 20	40
• Changed Bit 7-0 Type From: R/WU To: R/W in Figure 30 and Table 21	40
• Changed Bit 3-0 Type From: R/WU To: R/W in Figure 31 and Table 22	41
• Changed bit 7 From: R/WU To: RH in Figure 32 and Table 23	41
• USB3.1_# register default changed to 4h from 0h.	41
• Changed USB3.1_4 register default to 23h from 00h.	42
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 40	48
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 41	49
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 42	49
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 48	52
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 49	53
• Changed SBU1, and SBU2 pin labels on the Sink side of Figure 50	53

The datasheet number will be changing.

Device Family	Change From:	Change To:
TUSB544□□	SLLSEZ0C	SLLSEZ0D

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/TUSB544>

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:

TUSB544IRNQR	TUSB544IRNQT	TUSB544RNQR	TUSB544RNQT
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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
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com