

<b>Notification Number:</b>	20220510003.0	<b>Notification Date:</b>	May 11, 2022
<b>Title:</b>	Datasheet for SNx4HCT244, SN54HC688, SN74HC688, SNx4HCT240, SNx4HCT541, and CDx4HC573		
<b>Customer Contact:</b>	PCN Manager	<b>Dept:</b>	Quality Services
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

**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.



**SN54HCT244, SN74HCT244**

SCLS175F – MARCH 2003 – REVISED MAY 2022

**Changes from Revision E (August 2016) to Revision F (May 2022) Page**

- Junction-to-ambient thermal resistance values increased. DW was 76.6 is now 109.1, DB was 89.4 is now 122.7, N was 44.8 is now 84.6, NS was 71.8 is now 113.4, PW was 97.4 is now 131.8..... 5



**SN54HC688, SN74HC688**

SCLS010F – DECEMBER 1982 – REVISED MAY 2022

**Changes from Revision E (February 2022) to Revision F (May 2022) Page**

- Junction-to-ambient thermal resistance values increased. DW was 58 is now 109.1, N was 69 is now 84.6, PW was 83 is now 131.8..... 4



**SN54HCT240, SN74HCT240**

SCLS174G – MARCH 1984 – REVISED MAY 2022

**Changes from Revision F (February 2022) to Revision G (May 2022) Page**

- Junction-to-ambient thermal resistance values increased. DW was 58 is now 109.1, N was 69 is now 84.6, NS was 60 is now 113.4, PW was 83 is now 131.8..... 4



**SN54HCT541, SN74HCT541**

SCLS306E – JANUARY 1996 – REVISED MAY 2022

**Changes from Revision D (February 2022) to Revision E (May 2022) Page**

- Junction-to-ambient thermal resistance values increased. DW was 58 is now 109.1, DB was 70 is now 122.7, N was 69 is now 84.6, NS was 60 is now 113.4, PW was 83 is now 131.8..... 4



**CD54HC573, CD74HC573**

SCLS454C – FEBRUARY 2001 – REVISED MAY 2022

**Changes from Revision B (January 2022) to Revision C (May 2022) Page**

- Junction-to-ambient thermal resistance values increased. DW was 58 is now 109.1, N was 69 is now 84.6.... 4

The datasheet number will be changing.

Device Family	Change From:	Change To:
SNx4HCT244	SCLS175E	SCLS175F
SN54HC688, SN74HC688	SCLS010E	SCLS010F
SNx4HCT240	SCLS174F	SCLS174G
SNx4HCT541	SCLS306D	SCLS306E
CDx4HC573	SCLS454B	SCLS454C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/SN54HCT244>

<http://www.ti.com/product/SN54HC688>

<http://www.ti.com/product/SN54HCT240>

<http://www.ti.com/product/SN54HCT541>

<http://www.ti.com/product/CD54HC573>

**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:**

CD74HC573E	SN74HCT240DW	SN74HCT244DWRG4	SN74HCT541DWR
CD74HC573EE4	SN74HCT240DWG4	SN74HCT244N	SN74HCT541DWRE4
CD74HC573M	SN74HCT240DWR	SN74HCT244NE4	SN74HCT541DWRG4
CD74HC573M96	SN74HCT240DWRE4	SN74HCT244NS	SN74HCT541N
CD74HC573M96G4	SN74HCT240N	SN74HCT244NSR	SN74HCT541NE4
SN74HC688DW	SN74HCT240NS	SN74HCT244NSRG4	SN74HCT541NS
SN74HC688DWR	SN74HCT240NSR	SN74HCT244PW	SN74HCT541NSR
SN74HC688DWRE4	SN74HCT240PW	SN74HCT244PWE4	SN74HCT541NSRE4
SN74HC688DWRG4	SN74HCT240PWR	SN74HCT244PWG4	SN74HCT541NSRG4
SN74HC688N	SN74HCT240PWT	SN74HCT244PWR	SN74HCT541PW
SN74HC688NE4	SN74HCT244DBR	SN74HCT244PWRG4	SN74HCT541PWG4
SN74HC688PWR	SN74HCT244DW	SN74HCT244PWT	SN74HCT541PWR
SN74HC688PWRE4	SN74HCT244DWE4	SN74HCT541DBR	SN74HCT541PWRE4
SN74HC688PWRG4	SN74HCT244DWG4	SN74HCT541DW	SN74HCT541PWRG4
SN74HC688PWT	SN74HCT244DWR	SN74HCT541DWE4	SN74HCT541PWT
SN74HC688PWTG4	SN74HCT244DWRE4	SN74HCT541DWG4	

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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