12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20230711000.0
Datasheet for SN74LV4040A, SNx4AHCT32, SNxAHCT74, SN74AHCT32-Q1, SN74AHCT1G126-Q1, SN74AHCT1G04-Q1, SN74AHCT1G125-Q1, SN74AHC04-Q1, SN74AHC245-Q1, SN74LV245A, SNx4AHC125. SNx4AHC08, SNx4AHCT245, SNx4AHC04, SNx4AHC245, SN74AHC08Q-Q1, SN74AHC125-Q1, SN74AHC02-Q1, SNx4AHC02, SN74AHC00-Q1, SNx4AHC00
Information Only Datasheet

Date: July 18, 2023
To: TOKYO ELECTRON DEVICE (DSTR) 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

20230711000.0
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
CAHCT1G125QDCKRQ1	null
SN74AHC02PWR	null
SN74AHC04PWR	null
SN74AHC125QPWRQ1	null
SN74LV4040APWR	null
SN74AHCT32QPWRQ1	null
SN74AHC08PWR	null
SN74LV245ANSR	null
SN74AHC00PWR	null
SN74AHC245PWR	null
SN74AHCT32PWR	null
SN74AHCT74PWR	null
SN74LV4040APWT	null
SN74AHC125QPWRG4Q1	null
SN74AHC00QPWRG4Q1	null
SN74AHC02QPWRG4Q1	null
SN74AHC04QPWRG4Q1	null
SN74AHC125PWR	null
SN74AHCT245NSR	null
SN74AHC08PWRG4	null
SN74AHC245PWRG4	null
CAHCT1G126QDCKRQ1	null
CAHCT1G126QDCKRG4	null
SN74AHC00QPWRQ1	null

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

PCN Number:	20230711000.0	PCN Date:	July 18, 2023
Title:	Datasheet for SN74LV4040A, SNx4AHCT32, SNxAHCT74, SN74AHCT32-Q1, SN74AHCT1G126-Q1, SN74AHCT1G04-Q1, SN74AHCT1G125-Q1, SN74AHC04-Q1, SN74AHC245-Q1, SN74LV245A, SNx4AHC125, SNx4AHC08, SNx4AHCT245, SNx4AHC04, SNx4AHC245, SN74AHC08Q-Q1, SN74AHC125-Q1, SN74AHC02-Q1, SNx4AHC02, SN74AHC00-Q1, SNx4AHC00		
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 — **SN74LV4040A**
SCES226J – APRIL 1999 – REVISED JULY 2023

Changes from Revision I (May 2005) to Revision J (July 2023) — **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated thermal values for RθJA: D = 73 to 99.5, PW = 108 to 122.3, all values in °C/W 5

TEXAS INSTRUMENTS — **SN54AHCT32, SN74AHCT32**
SCLS248O – OCTOBER 1995 – REVISED JULY 2023

Changes from Revision N (May 2023) to Revision O (July 2023) — **Page**

- Updated thermal values for RθJA: PW = 125.1 to 147.7, RθJC(top) = 53.7 to 77.4, RθJB = 66.9 to 90.9, ΨJT = 7.6 to 27.2, ΨJB = 66.3 to 90.2, all values in °C/W." 5

TEXAS INSTRUMENTS — **SN54AHCT74, SN74AHCT74**
SCLS263Q – DECEMBER 1995 – REVISED JULY 2023

Changes from Revision P (May 2023) to Revision Q (July 2023) — **Page**

- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 6

TEXAS INSTRUMENTS — **SN74AHCT32-Q1**
SCLS528C – JULY 2003 – REVISED JULY 2023

Changes from Revision B (May 2023) to Revision C (July 2023) — **Page**

- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 4

TEXAS INSTRUMENTS — **SN74AHCT1G126-Q1**
SCLS505C – MAY 2003 – REVISED JULY 2023

Changes from Revision B (February 2008) to Revision C (July 2023) — **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated thermal values for DCK package from RθJA = 252 to 293.4, all values in °C/W 5

Changes from Revision B (January 2023) to Revision C (July 2023) **Page**

- Updated thermal values for DCK package from RθJA = 252 to 293.4, all values in °C/W....4

Changes from Revision B (January 2008) to Revision C (July 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes*, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section....1
- Updated thermal values for DCK package from RθJA = 252 to 293.4, all values in °C/W....4

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

- Added BQA package to *Package Information* table....1
- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W....5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W....5

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

- Updated RθJA values: PW = 83 to 122.3, all values in °C/W....5

Changes from Revision Q (April 2023) to Revision R (July 2023) **Page**

- Updated RθJA values: DB = 94.6 to 113.1, DW = 77.5 to 96.2, NS = 76.6 to 101.1; Updated DB, DW, and PW packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W....5

Changes from Revision L (November 2016) to Revision M (June 2023) **Page**

- Added BQA package to *Package Information* table....1
- Updated RθJA values: D = 92.6 to 124.5, PW = 121.5 to 147.7, all values in °C/W....6
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W....6

Changes from Revision J (December 2015) to Revision K (June 2023) **Page**

- Added BQA package to *Device Information* table 1
- Updated RθJA values: D = 86 to 124.5, PW = 113 to 147.7 6
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 6

Changes from Revision R (April 2023) to Revision S (July 2023) **Page**

- Updated RθJA values: DB = 96.0 to 113.1, DW = 79.8 to 96.2, PW = 102.8 to 122.3; Updated DB, DW, and PW packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W 5

Changes from Revision O (May 2023) to Revision P (June 2023) **Page**

- Added BQA package to *Device Information* table 1
- Added *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated thermal values for RθJA: D = 86 to 124.5, PW = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

Changes from Revision L (April 2023) to Revision M (June 2023) **Page**

- Updated RθJA values: DB = 96.0 to 113.1, DW = 79.8 to 96.2, PW = 102.8 to 122.3; Updated DB, DW, and PW packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W 6

Changes from Revision C (April 2008) to Revision D (June 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes*, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

Changes from Revision A (April 2008) to Revision B (June 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 5
- Added thermal value for BQA package: RθJA = 88.3, all values in °C/W 5

Changes from Revision B (April 2008) to Revision C (June 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

Changes from Revision L (May 2013) to Revision M (June 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for RθJA: D = 86 to 124.5, PW = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

Changes from Revision B (April 2008) to Revision C (June 2023) **Page**

- Added *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for PW package from RθJA = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

Changes from Revision J (May 2013) to Revision K (June 2023) **Page**

- Added *Device Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes*, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Added BQA package to *Package Information* table 1
- Updated thermal values for RθJA: D package = 86 to 124.5, PW package = 113 to 147.7, all values in °C/W 5
- Added thermal value for RθJA: BQA = 88.3, all values in °C/W 5

The datasheet number will be changing.

Device Family	Change From:	Change To:
SN74LV4040A	SCES226I	**SCES226J**
SNx4AHCT32	SCLS248N	**SCLS248O**
SNxAHCT74	SCLS263P	**SCLS263Q**
SN74AHCT32-Q1	SCLS528B	**SCLS528C**
SN74AHCT1G126-Q1	SCLS505B	**SCLS505C**
SN74AHCT1G04-Q1	SCLS510B	**SCLS510C**
SN74AHCT1G125-Q1	SCLS504B	**SCLS504C**
SN74AHC04-Q1	SCLS536C	**SCLS536D**
SN74AHC245-Q1	SCLS527C	**SCLS527D**
SN74LV245A	SCLS382Q	**SCLS382R**
SNx4AHC125	SCLS256L	**SCLS256M**
SNx4AHC08	SCLS236J	**SCLS236K**
SNx4AHCT245	SCLS233R	**SCLS233S**
SNx4AHC04	SCLS231O	**SCLS231P**
SNx4AHC245	SCLS230L	**SCLS230M**
SN74AHC08Q-Q1	SGDS010C	**SGDS010D**
SN74AHC125-Q1	SCLS525A	**SCLS525B**
SN74AHC02-Q1	SCLS524B	**SCLS524C**
SNx4AHC02	SCLS254L	**SCLS254M**
SN74AHC00-Q1	SGDS013B	**SGDS013C**
SNx4AHC00	SCLS227J	**SCLS227K**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/SN74LV4040A
http://www.ti.com/product/SN54AHCT32
http://www.ti.com/product/SN74AHCT74
http://www.ti.com/product/SN74AHCT32-Q1
http://www.ti.com/product/SN74AHCT1G126-Q1
http://www.ti.com/product/SN74AHCT1G04-Q1
http://www.ti.com/product/SN74AHCT1G125-Q1
http://www.ti.com/product/SN74AHC04-Q1
http://www.ti.com/product/SN74AHC245-Q1
http://www.ti.com/product/SN74LV245A
http://www.ti.com/product/SN54AHC125
http://www.ti.com/product/SN54AHC08
http://www.ti.com/product/SN54AHCT245
http://www.ti.com/product/SN54AHC04
http://www.ti.com/product/SN54AHC245

http://www.ti.com/product/SN74AHC08Q-Q1
http://www.ti.com/product/SN74AHC125-Q1
http://www.ti.com/product/SN74AHC02-Q1
http://www.ti.com/product/SN74AHC02
http://www.ti.com/product/SN74AHC00-Q1
http://www.ti.com/product/SNx4AHC00

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:

SN74LV4040APWR	SN74LV4040ADR	SN74LV4040APWRG4	SN74LV4040APWT
SN74AHCT32PWR	SN74AHCT32PWRG4	SN74AHCT74PWR	SN74AHCT74PWRG4
SN74AHCT32QPWRG4Q1	SN74AHCT32QPWRQ1	CAHCT1G126QDCKRG4	CAHCT1G126QDCKRG4Q
CAHCT1G126QDCKRQ1	CAHCT1G04QDCKRG4Q1	CAHCT1G04QDCKRQ1	CAHCT1G125QDCKRG4Q
CAHCT1G125QDCKRQ1	SN74AHC04QPWRG4Q1	SN74AHC04QPWRQ1	SN74AHC245QPWRG4Q1
SN74AHC245QPWRQ1	SN74LV245ADBR	SN74LV245ADWR	SN74LV245ANSR
SN74AHC125DR	SN74AHC125DRG4	SN74AHC125PWR	SN74AHC125PWRE4
SN74AHC125PWRG4	SN74AHC08DR	SN74AHC08DRG4	SN74AHC08PWR
SN74AHC08PWRG4	SN74AHCT245DBR	SN74AHCT245DBRG4	SN74AHCT245DWR
SN74AHCT245NSR	SN74AHC04DR	SN74AHC04DRG4	SN74AHC04PWR
SN74AHC04PWRG4	SN74AHC245DBR	SN74AHC245DWR	SN74AHC245DWRE4
SN74AHC245PWR	SN74AHC245PWRE4	SN74AHC245PWRG4	SN74AHC08QPWRRB
SN74AHC125QPWRG4Q1	SN74AHC125QPWRQ1	SN74AHC02QPWRG4Q1	SN74AHC02QPWRQ1
SN74AHC02DR	SN74AHC02PWR	SN74AHC02PWRE4	SN74AHC02PWRG4
SN74AHC00QPWRG4Q1	SN74AHC00QPWRQ1	SN74AHC00DR	SN74AHC00PWR
SN74AHC00PWRE4	SN74AHC00PWRG3	SN74AHC00PWRG4	

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