

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 Datasheet for SN74LV4040A, SNx4AHCT32, SNxAHCT74, SN74AHCT32-Q1, SN74AHCT1G126-Q1, SN74AHCT1G04-Q1, SN74AHCT1G125-Q1, SN74AHC04-Q1, Title: 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 SN74LV4040A INSTRUMENTS SCES226J - APRIL 1999 - REVISED JULY 2023 Changes from Revision I (May 2005) to Revision J (July 2023) Added Package Information table, Pin Functions table, ESD Ratings table, Thermal Information table, Device Texas SN54AHCT32, SN74AHCT32 Instruments SCLS248O - OCTOBER 1995 - REVISED JULY 2023 Page Changes from Revision N (May 2023) to Revision O (July 2023) 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 Texas SN54AHCT74, SN74AHCT74 Instruments SCLS263Q - DECEMBER 1995 - REVISED JULY 2023 Changes from Revision P (May 2023) to Revision Q (July 2023) Texas SN74AHCT32-Q1 INSTRUMENTS SCLS528C - JULY 2003 - REVISED JULY 2023 Changes from Revision B (May 2023) to Revision C (July 2023) Updated thermal values for PW package from R0JA = 113 to 147.7, all values in °C/W..... TEXAS SN74AHCT1G126-Q1 Instruments SCLS505C - MAY 2003 - REVISED JULY 2023 Changes from Revision B (February 2008) to Revision C (July 2023) 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



Changes from Revision B (January 2023) to Revisio	· · · ·
Updated thermal values for DCK package from RθJ/	A = 252 to 293.4, all values in °C/W4
TEXAS	SN74AHCT1G125-Q
Instruments	SCLS504C - MAY 2003 - REVISED JULY 2023
Changes from Revision B (January 2008) to Revision	on C (July 2023) Page
	ole, ESD Ratings table, Thermal Information table, Device port section, and Mechanical, Packaging, and Orderable
	1
Updated thermal values for DCK package from RθJ.	A = 252 to 293.4, all values in °C/W4
TEXAS	SN74AHC04-Q
INSTRUMENTS	SCLS536D – AUGUST 2003 – REVISED JUNE 202
Changes from Revision C (April 2023) to Revision D	(June 2023) Page
Added BQA package to Package Information table	
	= 112 to 147.7 all values in °C/M
Updated thermal values for PW package from RθJA	
	es in °C/W
Added thermal value for RθJA: BQA = 88.3, all value TEXAS INSTRUMENTS	SN74AHC245-Q SCLS527D – JULY 2003 – REVISED JUNE 202
Added thermal value for RθJA: BQA = 88.3, all value TEXAS INSTRUMENTS Changes from Revision C (February 2023) to Revision	SN74AHC245-Q SCLS527D – JULY 2003 – REVISED JUNE 202
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TEXAS INSTRUMENTS Changes from Revision C (February 2023) to Revision Updated RθJA values: PW = 83 to 122.3, all values in Texas Instruments Changes from Revision Q (April 2023) to Revision R Updated RθJA values: DB = 94.6 to 113.1, DW = 77. packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC Texas Instruments Changes from Revision L (November 2016) to Revision R Updated RθJA values: D = 92.6 to 124.5, PW = 121.	SN74AHC245-Q SCLS527D – JULY 2003 – REVISED JUNE 202 On D (June 2023) Page In °C/W



changes from Revision J (December 2015) to Revi	ISION K (June 2023)	Page
Added BQA package to Device Information table		1
Updated R0JA values: D = 86 to 124.5, PW = 113	to 147.7	6
Added thermal value for RθJA: BQA = 88.3, all value	ues in °C/W	6
TEXAS INSTRUMENTS		45, SN74AHCT24
INSTRUMENTS	SCLS233S – OCTOBER 1995	- REVISED JULY 202
Changes from Revision R (April 2023) to Revision	1 1	Page
 Updated RθJA values: DB = 96.0 to 113.1, DW = PW packages for RθJC(top), RθJB, ΨJT, ΨJB, an 		
TEXAS		HC04, SN74AHC0
Instruments	SCLS231P – OCTOBER 1996	- REVISED JUNE 20
Changes from Revision O (May 2023) to Revision	P (June 2023)	Page
 Added BOA package to Device Information table 		
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Added Device and Documentation Support section		e intormation
Added Device and Documentation Support section section	n, and Mechanical, Packaging, and Orderabi	1
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Changes from Revision A (April 2008) to Revision B (June 2023)	Page
Added Package Information table, Pin Functions table, ESD Ratings table, Thermal Information	rmation table, Device
Functional Modes, Device and Documentation Support section, and Mechanical, Package	
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
TEXAS	
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changes from Revision B (April 2008) to Revision C (June 2023)	Page
Added Package Information table, Pin Functions table, ESD Ratings table, Thermal Information	rmation table. Device
Functional Modes, Device and Documentation Support section, and Mechanical, Packag Information section	ging, and Orderable
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INSTRUMENTS SCLS254M - DECEMBER	N74AHC02, SN54AHC0 ER 1995 – REVISED JUNE 202
INSTRUMENTS SCLS254M – DECEMBE	ER 1995 – REVISED JUNE 20
INSTRUMENTS SCLS254M - DECEMBER Changes from Revision L (May 2013) to Revision M (June 2023)	Page
Changes from Revision L (May 2013) to Revision M (June 2023) Added Package Information table, Pin Functions table, ESD Ratings table, Thermal Info Functional Modes, Device and Documentation Support section, and Mechanical, Packag Information section	Page prmation table, Device ging, and Orderable
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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	
•	Added BQA package to Package Information table	
•	Updated thermal values for R0JA: D package = 86 to 124.5, PW package = 113 to 147.7, all values in	
	2014	

The datasheet number will be changing.

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Device Family	Change From:	Change To:	
SN74LV4040A	SCES226I	SCES226J	
SNx4AHCT32	SCLS248N	SCLS2480	
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	SCLS2310	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	

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