



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

**Notification# 20240808002.0**

**Datasheets for SNx4AHC00, SNx4AHCT04, SNx4AHCT08, SNx4AHC02, SNx4AHC74, SNx4AHC125, SNx4AHC126, SNx4AHCT02, SNx4AHCT74, SNx4AHCT125, SNx4AHCT126, SN74AHC132, SN74AHCT126-Q1, SN74AHCT125-Q1, SN74AHCT32-Q1, SN74AHCT00Q-Q1, SN74AHC14Q-Q1, SN74AHC32Q-Q1, SN74AHC74Q-Q1, SN74AHCT08Q-Q1 and SN74AHCT14Q-Q1 Information Only**

**Date:** October 29, 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





**20240808002.0**  
**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
SN74AHC32QDRG4Q1	NULL
SN74AHC74QDRQ1	NULL
SN74AHC00RGYR	NULL
SN74AHCT02RGYR	NULL
SN74AHCT125QPWRQ1	NULL
SN74AHC126DR	NULL
SN74AHC132DR	SN74AHC132DR
SN74AHC32QPWRQ1	NULL
SN74AHC14QPWRG4Q1	NULL
SN74AHC132DRE4	SN74AHC132DR
SN74AHCT08QDRG4Q1	1082122
SN74AHC132PWR	SN74AHC132PWR
SN74AHCT08DRG4	NULL
SN74AHCT74DR	NULL
SN74AHC14QDRQ1	NULL
SN74AHC08RGYR	NULL
SN74AHCT04NSR	NULL
SN74AHCT125RGYR	NULL
SN74AHCT14QPWRQ1	NULL
SN74AHC74QPWRG4Q1	NULL
SN74AHCT32QDRG4Q1	NULL
SN74AHC32DR	NULL
SN74AHC74RGYR	NULL
SN74AHCT08QDRG4Q1	NULL
SN74AHC14QPWRQ1	NULL
SN74AHC32QPWRG4Q1	595-N74AHC32QPWRG4Q1
SN74AHC14RGYR	SN74AHC14RGYR
SN74AHCT08QDRQ1	NULL
SN74AHCT126QDRQ1	NULL
SN74AHC74QPWRQ1	NULL
SN74AHC14DBR	NULL
SN74AHC32PWR	NULL
SN74AHC02DR	NULL
SN74AHCT126PWR	NULL
SN74AHCT14QPWRG4Q1	NULL
SN74AHC125RGYR	NULL
SN74AHCT08DR	NULL
SN74AHC32QDRQ1	NULL
SN74AHC74RGYRG4	NULL

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

<b>PCN Number:</b>		20240808002.0	<b>PCN Date:</b>	October 29, 2024
<b>Title:</b>	Datasheets for SNx4AHC00, SNx4AHCT04, SNx4AHCT08, SNx4AHC02, SNx4AHC74, SNx4AHC125, SNx4AHC126, SNx4AHCT02, SNx4AHCT74, SNx4AHCT125, SNx4AHCT126, SN74AHC132, SN74AHCT126-Q1, SN74AHCT125-Q1, SN74AHCT32-Q1, SN74AHCT00Q-Q1, SN74AHC14Q-Q1, SN74AHC32Q-Q1, SN74AHC74Q-Q1, SN74AHCT08Q-Q1 and SN74AHCT14Q-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>				
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.				
		<b>SN54AHC00, SN74AHC00</b> SCLS227M – OCTOBER 1995 – REVISED MAY 2024		
<b>Changes from Revision L (February 2024) to Revision M (May 2024)</b>				<b>Page</b>
• Added package size to <i>Device Information</i> table.....				1
• Updated images and table in <i>Pin Configuration and Functions</i> section.....				3
• Updated image in <i>Layout Example</i> .....				10
<b>Changes from Revision K (June 2023) to Revision L (February 2024)</b>				<b>Page</b>
• Updated R $\theta$ JA value: RGY = 47 to 87.1, all values in °C/W .....				6
		<b>SN54AHCT04, SN74AHCT04</b> SCLS232R – OCTOBER 1995 – REVISED FEBRUARY 2024		
<b>Changes from Revision Q (October 2023) to Revision R (February 2024)</b>				<b>Page</b>
• Updated thermal values for NS package from R $\theta$ JA = 98.6 to 120.9, R $\theta$ JC(top) = 54.1 to 78.2, R $\theta$ JB = 57.4 to 81.6, $\Psi$ JT = 19.6 to 42.8, $\Psi$ JB = 57.0 to 81.1, R $\theta$ JC(bot) = N/A, all values in °C/W .....				5
		<b>SN54AHCT08, SN74AHCT08</b> SCLS237P – OCTOBER 1995 – REVISED OCTOBER 2023		
<b>Changes from Revision O (May 2023) to Revision P (October 2023)</b>				<b>Page</b>
• Updated R $\theta$ JA values: D = 97.5 to 124.5; Updated D package for R $\theta$ JC(top), R $\theta$ JB, $\Psi$ JT, $\Psi$ JB, and R $\theta$ JC(bot), all values in °C/W .....				6
		<b>SN74AHC32, SN54AHC32</b> SCLS247L – OCTOBER 1995 – REVISED FEBRUARY 2024		
<b>Changes from Revision K (October 2023) to Revision L (February 2024)</b>				<b>Page</b>
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....				6
<b>Changes from Revision J (May 2023) to Revision K (October 2023)</b>				<b>Page</b>
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W .....				6

<b>Changes from Revision M (June 2023) to Revision N (February 2024)</b>	<b>Page</b>
• Added package size to <i>Device Information</i> table.....	1
• Updated R $\theta$ JA value: D = 124.5 to 124.6, all values in °C/W .....	5
• Added <i>Application and Implementation</i> section.....	9

<b>Changes from Revision L (May 2013) to Revision M (June 2023)</b>	<b>Page</b>
• Added <i>Package Information</i> table, <i>Pin Functions</i> table, <i>ESD Ratings</i> table, <i>Thermal Information</i> table, <i>Device Functional Modes</i> , <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section .....	1
• Added BQA package to <i>Package Information</i> table.....	1
• Updated thermal values for R $\theta$ JA: D = 86 to 124.5, PW = 113 to 147.7, all values in °C/W.....	5
• Added thermal value for R $\theta$ JA: BQA = 88.3, all values in °C/W.....	5

<b>Changes from Revision M (October 2023) to Revision N (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: RGY = 47 to 87.1, all values in °C/W .....	6

<b>Changes from Revision N (October 2023) to Revision O (February 2024)</b>	<b>Page</b>
• Updated thermal values for RGY package from R $\theta$ JA = 55.1 to 87.1, R $\theta$ JC(top) = 52.3 to 92.6, R $\theta$ JB = 49.4 to 30.9, $\Psi$ JT = 14.6 to 2.4, $\Psi$ JB = 31 to 61.7, R $\theta$ JC(bot) = 12.7 to 45.1, all values in °C/W .....	6

<b>Changes from Revision M (June 2023) to Revision N (October 2023)</b>	<b>Page</b>
• Updated D and PW packages for R $\theta$ JC(top), R $\theta$ JB, $\Psi$ JT, $\Psi$ JB, and R $\theta$ JC(bot), all values in °C/W .....	6

<b>Changes from Revision M (August 2023) to Revision N (February 2024)</b>	<b>Page</b>
• Added thermal values for D package: R $\theta$ JA = 124.6, R $\theta$ JC(top) = 79.7, R $\theta$ JB = 81.2, $\Psi$ JT = 39.3, $\Psi$ JB = 80.8, R $\theta$ JC(bot) = N/A, all values in °C/W .....	5



<b>Changes from Revision M (May 2023) to Revision N (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA values: RGY = 47 to 87.1, all values in °C/W .....	<b>4</b>

<b>Changes from Revision L (July 2003) to Revision M (May 2023)</b>	<b>Page</b>
• Updated the <i>Features</i> section.....	<b>1</b>
• Added the <i>Applications</i> section.....	<b>1</b>
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	<b>1</b>
• Updated the <i>Device Information</i> table to include <i>Channel Count</i> .....	<b>1</b>
• Added the <i>BQA</i> package to the data sheet.....	<b>1</b>
• Added the <i>Pin Configuration and Functions</i> section.....	<b>3</b>

<b>Changes from Revision Q (July 2023) to Revision R (October 2023)</b>	<b>Page</b>
• Updated title and format of <i>Device Information</i> table.....	<b>1</b>
• Updated R $\theta$ JA values: D = 86 to 124.5, all values in °C/W .....	<b>5</b>

<b>Changes from Revision Q (October 2023) to Revision R (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: RGY = 47 to 87.1, all values in °C/W .....	<b>5</b>

<b>Changes from Revision R (October 2023) to Revision S (February 2024)</b>	<b>Page</b>
• Updated thermal values for NS package from R $\theta$ JA = 90.7 to 120.9, R $\theta$ JC(top) = 48.3 to 78.2, R $\theta$ JB = 49.4 to 81.6, $\Psi$ JT = 14.6 to 42.8, $\Psi$ JB = 49.1 to 81.1, R $\theta$ JC(bot) = N/A, all values in °C/W .....	<b>6</b>

<b>Changes from Revision Q (May 2023) to Revision R (October 2023)</b>	<b>Page</b>
• Updated R $\theta$ JA values: D = 90.6 to 124.5, PW = 122.6 to 147.7; Updated D and PW packages for R $\theta$ JC(top), R $\theta$ JB, $\Psi$ JT, $\Psi$ JB, and R $\theta$ JC(bot), all values in °C/W .....	<b>6</b>

<b>Changes from Revision J (October 2023) to Revision K (February 2024)</b>	<b>Page</b>
• Deleted machine model from <i>Features</i> section.....	1
• Updated thermal values for D package from R $\theta$ JA = 90.6 to 124.6, R $\theta$ JC(top) = 50.9 to 79.7, R $\theta$ JB = 44.8 to 81.2, $\Psi$ JT = 14.7 to 39.3, $\Psi$ JB = 44.5 to 80.8, R $\theta$ JC(bot) = N/A, all values in °C/W .....	5

<b>Changes from Revision I (August 2023) to Revision J (October 2023)</b>	<b>Page</b>
• Updated thermal values for PW package from R $\theta$ JA = 122.6 to 147.7, R $\theta$ JC(top) = 51.4 to 77.4, R $\theta$ JB = 64.4 to 90.9, $\Psi$ JT = 6.7 to 27.2, $\Psi$ JB = 63.8 to 90.2, all values in °C/W .....	5

<b>Changes from Revision C (May 2023) to Revision D (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....	4

<b>Changes from Revision B (June 2023) to Revision C (October 2023)</b>	<b>Page</b>
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W .....	5

<b>Changes from Revision C (July 2023) to Revision D (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....	4

<b>Changes from Revision C (May 2023) to Revision D (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....	4

<b>Changes from Revision D (October 2023) to Revision E (February 2024)</b>	<b>Page</b>
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W.....	4

<b>Changes from Revision C (June 2023) to Revision D (October 2023)</b>	<b>Page</b>
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W.....	4

Changes from Revision C (October 2023) to Revision D (February 2024)	Page
• Updated R $\theta$ JA values: D = 86 to 124.6, all values in °C/W .....	5

Changes from Revision B (June 2023) to Revision C (October 2023)	Page
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W .....	5

Changes from Revision C (October 2023) to Revision D (February 2024)	Page
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....	5

Changes from Revision B (August 2023) to Revision C (October 2023)	Page
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W .....	5

Changes from Revision C (May 2023) to Revision D (February 2024)	Page
• Added package size to <i>Package Information</i> table.....	1
• Updated R $\theta$ JA value: D = 86 to 124.6, all values in °C/W .....	5

Changes from Revision C (June 2023) to Revision D (October 2023)	Page
• Updated R $\theta$ JA values: PW = 113 to 147.7, all values in °C/W.....	4
• Added Application and Implementation section.....	8

The datasheet number will be changing.

Device Family	Change From:	Change To:
SNx4AHC00	SCLS227K	<b>SCLS227M</b>
SNx4AHCT04	SCLS232Q	<b>SCLS232R</b>
SNx4AHCT08	SCLS237O	<b>SCLS237P</b>
SNx4AHC32	SCLS247J	<b>SCLS247L</b>
SNx4AHC02	SCLS254L	<b>SCLS254N</b>
SNx4AHC74	SCLS255M	<b>SCLS255N</b>
SNx4AHC125	SCLS256M	<b>SCLS256O</b>
SNx4AHC126	SCLS257M	<b>SCLS257N</b>
SNx4AHCT02	SCLS262L	<b>SCLS262N</b>
SNx4AHCT74	SCLS263Q	<b>SCLS263R</b>
SNx4AHCT125	SCLS264Q	<b>SCLS264R</b>
SNx4AHCT126	SCLS265Q	<b>SCLS265S</b>
SN74AHC132	SCLS365I	<b>SCLS365K</b>
SN74AHCT126-Q1	SCLS506C	<b>SCLS506D</b>
SN74AHCT125-Q1	SCLS508B	<b>SCLS508C</b>



SN74AHCT32-Q1	SCLS528C	<b>SCLS528D</b>
SN74AHCT00Q-Q1	SGDS007C	<b>SGDS007D</b>
SN74AHC14Q-Q1	SGDS016C	<b>SGDS016E</b>
SN74AHC32Q-Q1	SGDS019B	<b>SGDS019D</b>
SN74AHC74Q-Q1	SGDS020B	<b>SGDS020D</b>
SN74AHCT08Q-Q1	SGDS021C	<b>SGDS021D</b>
SN74AHCT14Q-Q1	SGDS023C	<b>SGDS023D</b>

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/SN74AHC00>  
<http://www.ti.com/product/SN74AHCT04>  
<http://www.ti.com/product/SN74AHCT08>  
<http://www.ti.com/product/SN74AHC32>  
<http://www.ti.com/product/SN74AHC02>  
<http://www.ti.com/product/SN74AHC74>  
<http://www.ti.com/product/SN74AHC125>  
<http://www.ti.com/product/SN74AHC126>  
<http://www.ti.com/product/SN74AHCT02>  
<http://www.ti.com/product/SN74AHCT74>  
<http://www.ti.com/product/SN74AHCT125>  
<http://www.ti.com/product/SN74AHCT126>  
<http://www.ti.com/product/SN74AHC132>  
<http://www.ti.com/product/SN74AHCT126>  
<http://www.ti.com/product/SN74AHCT125-Q1>  
<http://www.ti.com/product/SN74AHCT32-Q1>  
<https://www.ti.com/product/SN74AHCT00Q-Q1>  
<https://www.ti.com/product/SN74AHC14Q-Q1>  
<https://www.ti.com/product/SN74AHC32Q-Q1>  
<https://www.ti.com/product/SN74AHC74Q-Q1>  
<https://www.ti.com/product/SN74AHCT08Q-Q1>  
<https://www.ti.com/product/SN74AHCT14Q-Q1>

#### **Reason for Change:**

Datasheet update driven by changes announced in PCN 20231219000

#### **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:**



**Devices included in PCN 20231219000**

SN74AHC02DR	SN74AHC00RGYR	SN74AHC14QDRQ1	SN74AHC74RGYRG4
SN74AHC32DR	SN74AHC08RGYR	SN74AHC32QDRQ1	SN74AHCT00QDRQ1
SN74AHC126DR	SN74AHC14RGYR	SN74AHC74QDRQ1	SN74AHCT08QDRQ1
SN74AHC132DR	SN74AHC74RGYR	SN74AHCT02RGYR	SN74AHCT125RGYR
SN74AHC14DBR	SN74AHCT04NSR	SN74AHCT126NSR	SN74AHCT32QDRQ1
SN74AHCT126QDRQ1	SN74AHC125RGYR	SN74AHCT08QDRG4Q1	

**Datasheet Only**

SN74AHCT74D	SN74AHCT08DRG4	SN74AHC32QDRG4Q1	SN74AHCT14QPWRQ1
SN74AHC32PWR	SN74AHCT126PWR	SN74AHC74QDRG4Q1	SN74AHC14QPWRG4Q1
SN74AHCT08DR	SN74AHC14QPWRQ1	SN74AHCT125QPWRQ1	SN74AHC32QPWRG4Q1
SN74AHCT74DR	SN74AHC32QPWRQ1	SN74AHCT32QDRG4Q1	SN74AHC74QPWRG4Q1
SN74AHC132PWR	SN74AHC74QPWRQ1	SN74AHCT126QDRG4Q1	SN74AHCT00QDRG4Q1
SN74AHC132DRE4	SN74AHCT14QPWRG4Q1		

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

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