



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

Notification# 20241007002.0

**Datasheet for SNx4AHC138, SN74AHC139, SNx4AHCT138, SNx4AHC157,
SN74AHC595, SNx4AHCT595, SN74AHCT594, SN74AHCT367, SN74AHCT174,
SN74AHC367, SN74AHC174**

Information Only Datasheet

Date: October 25, 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






20241007002.0
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
SN74AHC138DR	NULL
SN74AHC139RGYR	NULL
SN74AHCT367PWR	NULL
SN74AHC157DR	NULL
SN74AHCT174PWR	SN74AHCT174PWR
SN74AHC139PWR	NULL
SN74AHC595DR	NULL
SN74AHC138DRG4	NULL
SN74AHCT138DR	NULL
SN74AHCT595DR	NULL
SN74AHC157RGYR	NULL
SN74AHC367PWR	NULL
SN74AHCT367DR	NULL
SN74AHCT594DR	NULL
SN74AHC595DRE4	NULL

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

PCN Number:	20241007002.0		PCN Date:	October 25, 2024
Title:	Datasheet for SNx4AHC138, SN74AHC139, SNx4AHCT138, SNx4AHC157, SN74AHC595, SNx4AHCT595, SN74AHCT594, SN74AHCT367, SN74AHCT174, SN74AHC367, SN74AHC174			
Customer Contact:	Change Management team	Dept:	Quality Services	
Change Type:	Electrical Specification			
PCN 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>				
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> SN54AHC138, SN74AHC138 <small>SCLS258N – DECEMBER 1995 – REVISED JULY 2024</small> </div> </div>				
Changes from Revision M (April 2024) to Revision N (July 2024)				Page
<ul style="list-style-type: none"> Updated thermal values for D package from RθJA = 73 to 93.8, all values in °C/W 				6
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> SN74AHC139 <small>SCLS259M – DECEMBER 1995 – REVISED JULY 2024</small> </div> </div>				
Changes from Revision L (June 2013) to Revision M (July 2024)				Page
<ul style="list-style-type: none"> Deleted machine model from <i>Features</i> section..... 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>Application and Implementation</i> section, <i>Device and Documentation Support</i> section, and <i>Mechanical, Packaging, and Orderable Information</i> section Updated thermal values for RθJA: PW = 108 to 135.9, RGY = 39 to 52.9, all values in °C/W 				1 1 5
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> SN54AHCT138, SN74AHCT138 <small>SCLS266O – DECEMBER 1995 – REVISED JULY 2024</small> </div> </div>				
Changes from Revision N (April 2024) to Revision O (July 2024)				Page
<ul style="list-style-type: none"> Updated RθJA value: D = 73 to 93.8, all values in °C/W 				6
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> SN74AHC157, SN54AHC157 <small>SCLS345L – MAY 1996 – REVISED JULY 2024</small> </div> </div>				
Changes from Revision K (April 2024) to Revision L (July 2024)				Page
<ul style="list-style-type: none"> Updated thermal values for RθJA: D = 73 to 93.8, RGY = 39 to 52.9, all values in °C/W 				6
<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: right;"> SN74AHC595 <small>SCLS373N – MAY 1996 – REVISED JULY 2024</small> </div> </div>				
Changes from Revision M (April 2024) to Revision N (July 2024)				Page
<ul style="list-style-type: none"> Updated RθJA value: D = 73 to 93.8, all values in °C/W 				6

Changes from Revision P (April 2024) to Revision Q (August 2024) Page

- Updated thermal values for D package from R θ JA = 80.2 to 93.8, R θ JC(top) = 39.1 to 54.7, R θ JB = 27.7 to 50.9, Ψ JT = 9.9 to 20.8, Ψ JB = 37.4 to 50.7, R θ JC(bot) = N/A, all values in °C/W **5**

Changes from Revision J (April 2024) to Revision K (July 2024) Page

- Updated thermal values for D package from R θ JA = 80.2 to 93.8, R θ JC(top) = 39.1 to 54.7, R θ JB = 27.7 to 50.9, Ψ JT = 9.9 to 20.8, Ψ JB = 37.4 to 50.7, R θ JC(bot) = N/A, all values in °C/W **5**

Changes from Revision H (December 2014) to Revision I (July 2024) Page

- Deleted machine model from *Features* section..... **1**
- Updated packages and added package sizes to *Package Information* table..... **1**
- Updated structural layout of data sheet to current standards..... **1**
- Updated R θ JA values: D = 85.1 to 93.8, PW = 111.5 to 135.9; Updated D and PW packages for R θ JC(top), R θ JB, Ψ JT, Ψ JB, and R θ JC(bot), all values in °C/W **5**
- Updated *Layout Example* figure..... **11**

Changes from Revision G (May 2023) to Revision H (July 2024) Page

- Added package size to *Package Information* table..... **1**
- Deleted machine model from *ESD Ratings* table..... **4**
- Updated R θ JA value: PW = 108 to 135.9, all values in °C/W..... **4**
- Added *Application and Implementation* section..... **9**
- Added *Device and Documentation Support* section **10**

Changes from Revision F (November 2023) to Revision G (July 2024) Page

- Updated R θ JA value: PW = 108 to 135.9, all values in °C/W **5**

Changes from Revision G (November 2023) to Revision H (July 2024) Page

- Updated R θ JA value: PW = 108 to 135.9, all values in °C/W **5**

The datasheet number will be changing.

Device Family	Change From:	Change To:
SNx4AHC138	SCLS258M	SCLS258N
SN74AHC139	SCLS259L	SCLS259M
SNx4AHCT138	SCLS266N	SCLS266O
SNx4AHC157	SCLS345K	SCLS345L
SN74AHC595	SCLS373M	SCLS373N
SNx4AHCT595	SCLS374P	SCLS374Q
SN74AHCT594	SCLS417J	SCLS417K
SN74AHCT367	SCLS418H	SCLS418I
SN74AHCT174	SCLS419G	SCLS419H
SN74AHC367	SCLS424F	SCLS424G
SN74AHC174	SCLS425G	SCLS425H

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/SN54AHC138>

<http://www.ti.com/product/SN74AHC139>
<http://www.ti.com/product/SN54AHCT138>
<http://www.ti.com/product/SN54AHC157>
<http://www.ti.com/product/SN74AHC595>
<http://www.ti.com/product/SN54AHCT595>

<http://www.ti.com/product/SN74AHCT594>
<http://www.ti.com/product/SN74AHCT367>
<http://www.ti.com/product/SN74AHCT174>
<http://www.ti.com/product/SN74AHC367>
<http://www.ti.com/product/SN74AHC174>

Reason for Change:

To accurately reflect device characteristics. The datasheet updates are driven by the changes announced in PCN 20240529005.

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 20240529005

SN74AHC138DR	SN74AHC139PWR	SN74AHCT594DR	SN74AHC157RGYR
SN74AHC157DR	SN74AHC174PWR	SN74AHCT595DR	SN74AHC595DRE4
SN74AHC595DR	SN74AHC367PWR	SN74AHC138DRE4	SN74AHCT174PWR
SN74AHCT367DR	SN74AHCT138DR		

Datasheet Only

SN74AHC138DRE4	SN74AHC138DRG4	SN74AHC595DRE4	
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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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