PCN Number:	20231218002.0.A	PCN Date:	December 21, 2023
Title:	Datasheet for SN74AHCT1G32-Q1, SN74AHCT1G125, SN74AHCT1G04, SN74AHCT1G00, SN74AHCT1G86, SN74AHCT1G02, SN74AHCT1G126, SN74AHCT1G14, SN74AHCT1G08		
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

SN74AHCT1G32-Q1

SCLS606D – MARCH 2005 – REVISED OCTOBER 2023

Changes from Revision C (November 2022) to Revision D (October 2023)	Page
• Added *Applications* section, updated title, added package size to *Package Information* table, *Pin Functions* table, added *Application and Implementation* section, added *Thermal Information* table, added *Related Documentation*	1
• Removed machine model from *ESD Ratings* table	4
• Updated RθJA values: DCK = 252 to 289.2, all values in °C/W	4

TEXAS INSTRUMENTS

SN74AHCT1G125

SCLS378O – AUGUST 1997 – REVISED OCTOBER 2023

Changes from Revision N (January 2016) to Revision O (October 2023)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document	1
• Updated thermal values for DCK package from RθJA = 287.6 to 289.2, RθJC(top) = 97.7 to 205.8, RθJB = 65 to 176.2, ΨJT = 2.0 to 117.6, ΨJB = 64.2 to 175.1, RθJC(bot) = N/A, all values in °C/W	5

TEXAS INSTRUMENTS

SN74AHCT1G04

SCLS319Q – MARCH 1996 – REVISED OCTOBER 2023

Changes from Revision P (December 2014) to Revision Q (October 2023)	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document	1
• Updated thermal values for DCK package from RθJA = 287.6 to 289.2, RθJC(top) = 97.7 to 205.8, RθJB = 65 to 176.2, ΨJT = 2 to 117.6, ΨJB = 64.2 to 175.1, RθJC(bot) = N/A, all values in °C/W	5

TEXAS INSTRUMENTS

SN74AHCT1G00

SCLS316O – MARCH 1996 – REVISED OCTOBER 2023

Changes from Revision N (March 2015) to Revision O (October 2023)	Page
• Added package size to *Package Information* table	1
• Updated thermal values for DCK package from RθJA = 287.6 to 289.2, RθJC(top) = 97.7 to 205.8, RθJB = 65 to 176.2, ΨJT = 2 to 117.6, ΨJB = 64.2 to 175.1, RθJC(bot) = N/A, all values in °C/W	5

TEXAS INSTRUMENTS

SN74AHCT1G86

SCLS324O – MARCH 1996 – REVISED OCTOBER 2023

Changes from Revision N (August 2022) to Revision O (October 2023) **Page**

- Updated thermal values for DCK package from RθJA = 287.6 to 289.2, RθJC(top) = 97.7 to 205.8, RθJB = 65 to 176.2, ΨJT = 2 to 117.6, ΨJB = 64.2 to 175.1, RθJC(bot) = N/A, all values in °C/W 5

TEXAS INSTRUMENTS

SN74AHCT1G02

SCLS341L – APRIL 1996 – REVISED OCTOBER 2023

Changes from Revision K (February 2003) to Revision L (October 2023) **Page**

- Added *Applications* section, *Package Information* table, *Pin Functions* table, *ESD Ratings* table, *Thermal Information* table, *Device Functional Modes, Application and Implementation* section, *Device and Documentation Support* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated thermal values for DCK package from RθJA = 252 to 289.2, all values in °C/W..... 4

TEXAS INSTRUMENTS

SN74AHCT1G126

SCLS380K – AUGUST 1997 – REVISED OCTOBER 2023

Changes from Revision J (December 2014) to Revision K (October 2023) **Page**

- Updated thermal values for DCK package from RθJA = 287.6 to 289.2, RθJC(top) = 97.7 to 205.8, RθJB = 65 to 176.2, ΨJT = 2 to 117.6, ΨJB = 64.2 to 175.1, RθJC(bot) = N/A, all values in °C/W 5

TEXAS INSTRUMENTS

SN74AHCT1G14

SCLS322Q – MARCH 1996 – REVISED OCTOBER 2023

Changes from Revision P (June 2013) to Revision Q (October 2023) **Page**

- Added *Applications*, *Package Information* table, *Pin Functions* table, *Thermal Information* table, *Device Functional Modes, Device and Documentation Support* section, *Application and Implementation* section, and *Mechanical, Packaging, and Orderable Information* section 1
- Updated thermal values for DCK package from RθJA = 252 to 289.2, all values in °C/W 4

TEXAS INSTRUMENTS

SN74AHCT1G08

SCLS315R – MARCH 1996 – REVISED OCTOBER 2023

Changes from Revision Q (April 2016) to Revision R (October 2023) **Page**

- Updated the numbering format for tables, figures, and cross-references throughout the document..... 1
- Updated thermal values for DCK package from RθJA = 277.5 to 289.2, RθJC(top) = 92.9 to 205.8, RθJB = 64.2 to 176.2, ΨJT = 1.9 to 117.6, ΨJB = 63.5 to 175.1, RθJC(bot) = N/A, all values in °C/W 5

The datasheet number will be changing.

Device Family	Change From:	Change To:
SN74AHCT1G32-Q1	SCLS606C	**SCLS606D**
SN74AHCT1G125	SCLS378N	**SCLS378O**
SN74AHCT1G04	SCLS319P	**SCLS319Q**
SN74AHCT1G00	SCLS316N	**SCLS316O**
SN74AHCT1G86	SCLS324N	**SCLS324O**
SN74AHCT1G02	SCLS341K	**SCLS341L**
SN74AHCT1G126	SCLS380J	**SCLS380K**

SN74AHCT1G14	SCLS322P	**SCLS322Q**
SN74AHCT1G08	SCLS315Q	**SCLS315R**

These changes may be reviewed at the datasheet links provided.
http://www.ti.com/product/SN74AHCT1G32-Q1
http://www.ti.com/product/SN74AHCT1G125
http://www.ti.com/product/SN74AHCT1G04
http://www.ti.com/product/SN74AHCT1G00
http://www.ti.com/product/SN74AHCT1G86
http://www.ti.com/product/SN74AHCT1G02
http://www.ti.com/product/SN74AHCT1G126
http://www.ti.com/product/SN74AHCT1G14
http://www.ti.com/product/SN74AHCT1G08

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:

74AHCT1G00DCKRE4	74AHCT1G08DCKRG4	CAHCT1G32QDCKRQ1	SN74AHCT1G08DCKT
74AHCT1G00DCKRG4	74AHCT1G08DCKTG4	SN74AHCT1G00DCK3	SN74AHCT1G125DCK3
74AHCT1G00DCKTG4	74AHCT1G125DCKRG4	SN74AHCT1G00DCKR	SN74AHCT1G125DCKR
74AHCT1G02DCKRE4	74AHCT1G125DCKTE4	SN74AHCT1G02DCKR	SN74AHCT1G125DCKT
74AHCT1G02DCKRG4	74AHCT1G125DCKTG4	SN74AHCT1G04DCK3	SN74AHCT1G126DCKR
74AHCT1G04DCKRE4	74AHCT1G126DCKRG4	SN74AHCT1G04DCKR	SN74AHCT1G14DCK3
74AHCT1G04DCKRG4	74AHCT1G126DCKTG4	SN74AHCT1G04DCKT	SN74AHCT1G14DCKR
74AHCT1G04DCKTG4	74AHCT1G14DCKTE4	SN74AHCT1G08DCK3	SN74AHCT1G14DCKRG4
74AHCT1G08DCKRE4	74AHCT1G14DCKTG4	SN74AHCT1G08DCKR	SN74AHCT1G86DCKR

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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