PCN Number:	20240808002.0.A	**PCN Date:**	November 22, 2024

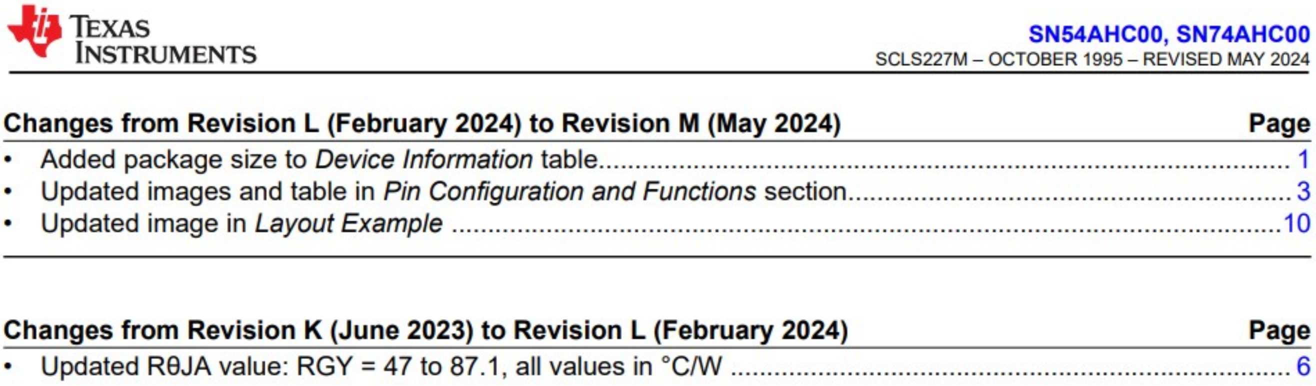
Title:	Datasheets for SNx4AHC00, SNx4AHCT04, SNx4AHCT08, SNx4AHC02, SNx4AHC74, SNx4AHC125, SNx4AHC126, SNx4AHCT02, SNx4AHCT74, SNx4AHCT125, SNx4AHCT126, SN74AHC132, SN74AHCT126-Q1, SN74AHCT125-Q1, SN74AHCT32-Q1, SN74AHCT00Q-Q1, SN74AHC14Q-Q1, SN74AHC32Q-Q1, SN74AHC74Q-Q1, SN74AHCT08Q-Q1, SN74AHCT14Q-Q1, SNx4AHC14, and SNx4AHC08

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

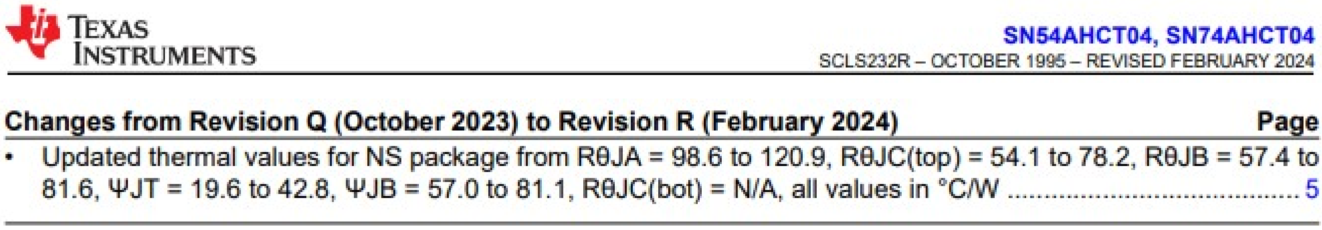
SN54AHC00, SN74AHC00
SCLS227M – OCTOBER 1995 – REVISED MAY 2024

Changes from Revision L (February 2024) to Revision M (May 2024) **Page**

- Added package size to *Device Information* table.. 1
- Updated images and table in *Pin Configuration and Functions* section.. 3
- Updated image in *Layout Example* 10

Changes from Revision K (June 2023) to Revision L (February 2024) **Page**

- Updated RθJA value: RGY = 47 to 87.1, all values in °C/W 6

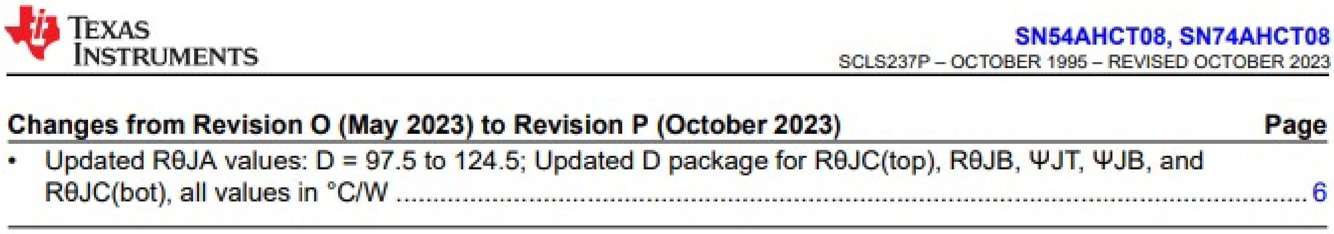


TEXAS INSTRUMENTS

SN54AHCT04, SN74AHCT04
SCLS232R – OCTOBER 1995 – REVISED FEBRUARY 2024

Changes from Revision Q (October 2023) to Revision R (February 2024) **Page**

- Updated thermal values for NS package from RθJA = 98.6 to 120.9, RθJC(top) = 54.1 to 78.2, RθJB = 57.4 to 81.6, ΨJT = 19.6 to 42.8, ΨJB = 57.0 to 81.1, RθJC(bot) = N/A, all values in °C/W 5

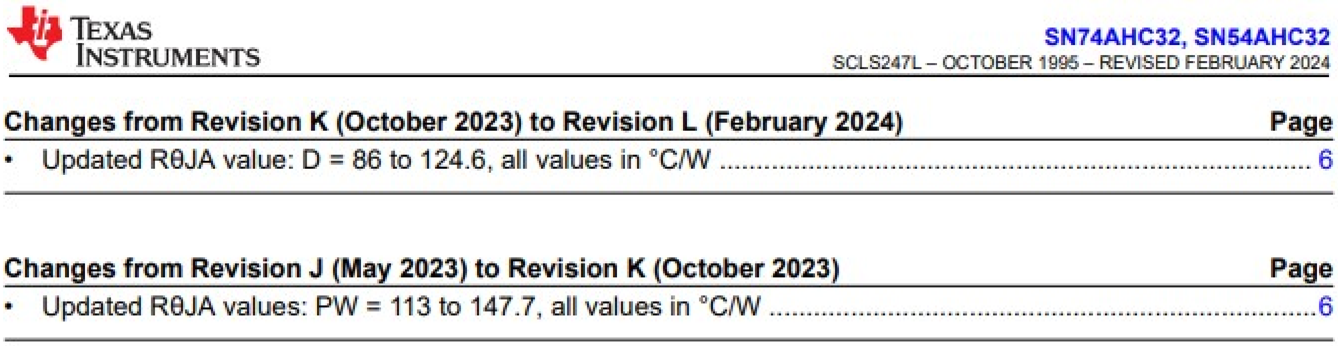


TEXAS INSTRUMENTS

SN54AHCT08, SN74AHCT08
SCLS237P – OCTOBER 1995 – REVISED OCTOBER 2023

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

- Updated RθJA values: D = 97.5 to 124.5; Updated D package for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W 6



TEXAS INSTRUMENTS

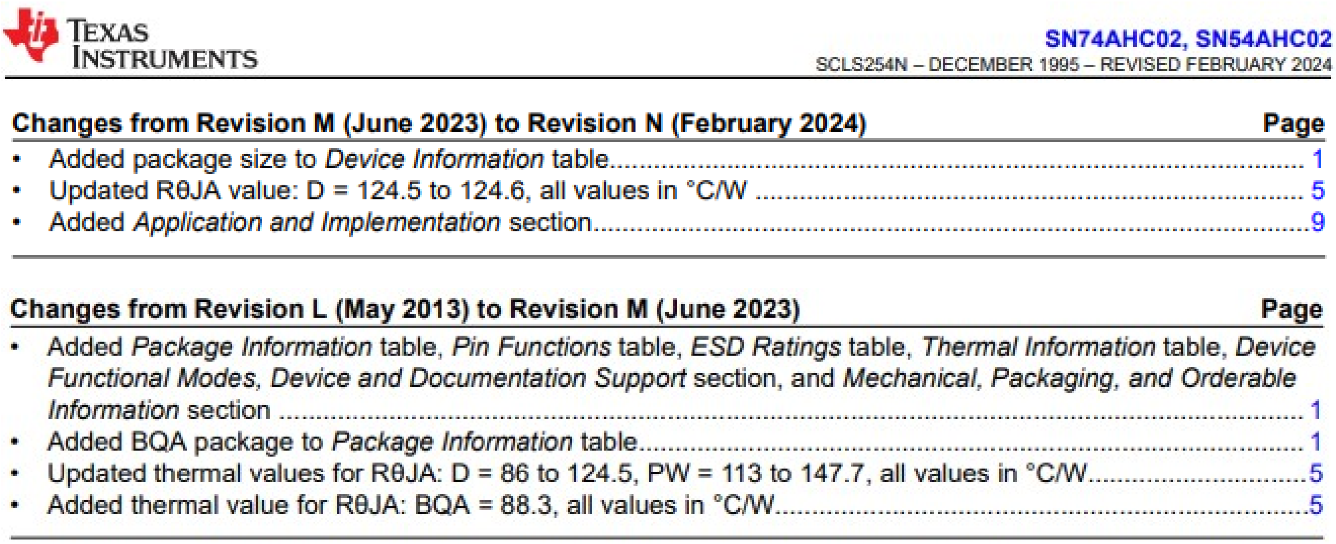
SN74AHC32, SN54AHC32
SCLS247L – OCTOBER 1995 – REVISED FEBRUARY 2024

Changes from Revision K (October 2023) to Revision L (February 2024) **Page**

- Updated RθJA value: D = 86 to 124.6, all values in °C/W 6

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

- Updated RθJA values: PW = 113 to 147.7, all values in °C/W 6



TEXAS INSTRUMENTS

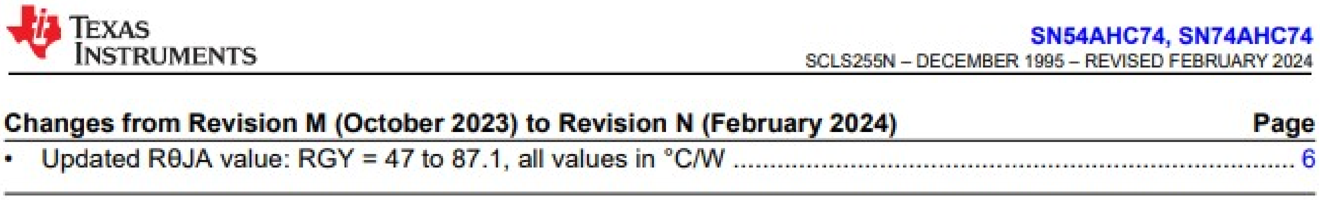
SN74AHC02, SN54AHC02
SCLS254N – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision M (June 2023) to Revision N (February 2024) **Page**

- Added package size to *Device Information* table... 1
- Updated RθJA value: D = 124.5 to 124.6, all values in °C/W 5
- Added *Application and Implementation* section...9

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

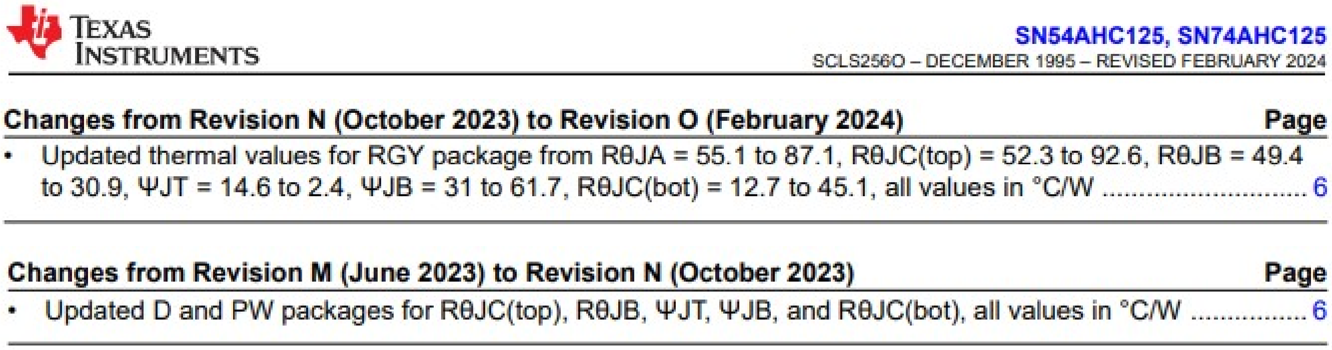


TEXAS INSTRUMENTS

SN54AHC74, SN74AHC74
SCLS255N – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision M (October 2023) to Revision N (February 2024) **Page**

- Updated RθJA value: RGY = 47 to 87.1, all values in °C/W 6



TEXAS INSTRUMENTS

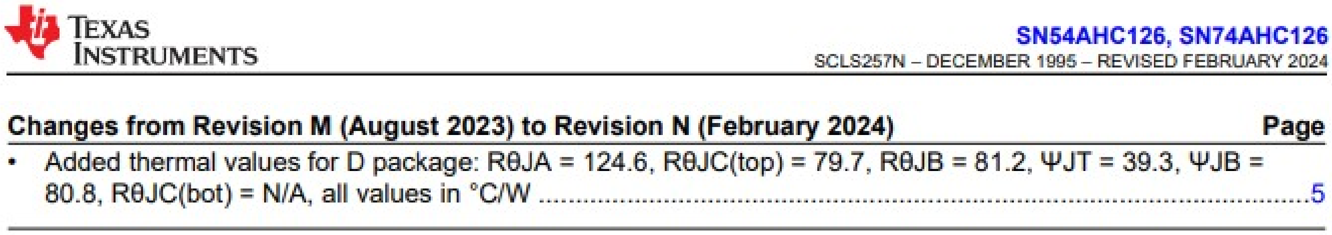
SN54AHC125, SN74AHC125
SCLS256O – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision N (October 2023) to Revision O (February 2024) **Page**

- Updated thermal values for RGY package from RθJA = 55.1 to 87.1, RθJC(top) = 52.3 to 92.6, RθJB = 49.4 to 30.9, ΨJT = 14.6 to 2.4, ΨJB = 31 to 61.7, RθJC(bot) = 12.7 to 45.1, all values in °C/W 6

Changes from Revision M (June 2023) to Revision N (October 2023) **Page**

- Updated D and PW packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W 6

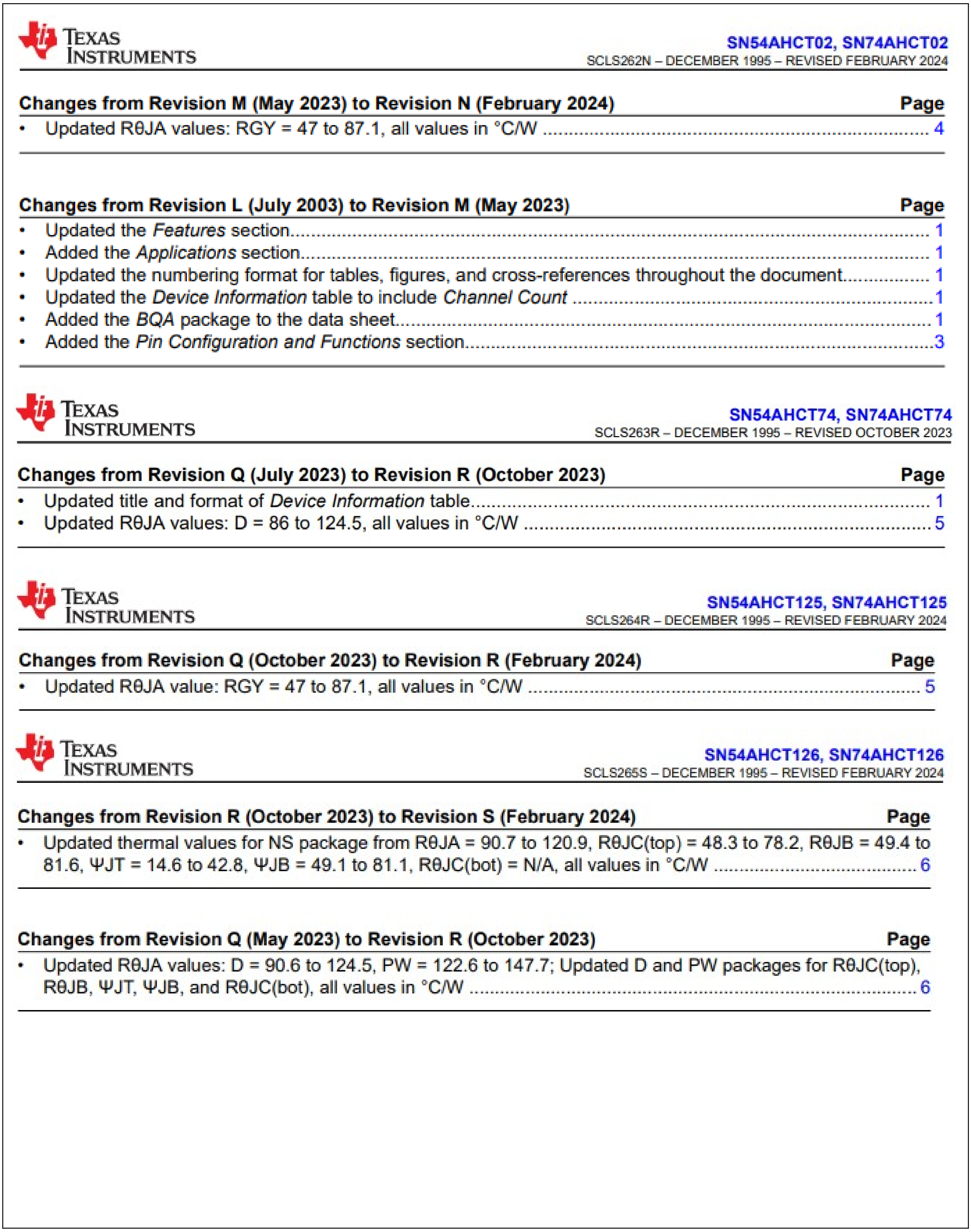


TEXAS INSTRUMENTS

SN54AHC126, SN74AHC126
SCLS257N – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision M (August 2023) to Revision N (February 2024) **Page**

- Added thermal values for D package: RθJA = 124.6, RθJC(top) = 79.7, RθJB = 81.2, ΨJT = 39.3, ΨJB = 80.8, RθJC(bot) = N/A, all values in °C/W 5



TEXAS INSTRUMENTS

SN54AHCT02, SN74AHCT02
SCLS262N – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision M (May 2023) to Revision N (February 2024) Page

- Updated RθJA values: RGY = 47 to 87.1, all values in °C/W 4

Changes from Revision L (July 2003) to Revision M (May 2023) Page

- Updated the *Features* section........ 1
- Added the *Applications* section........ 1
- Updated the numbering format for tables, figures, and cross-references throughout the document........ 1
- Updated the *Device Information* table to include *Channel Count* 1
- Added the *BQA* package to the data sheet........ 1
- Added the *Pin Configuration and Functions* section........ 3

TEXAS INSTRUMENTS

SN54AHCT74, SN74AHCT74
SCLS263R – DECEMBER 1995 – REVISED OCTOBER 2023

Changes from Revision Q (July 2023) to Revision R (October 2023) Page

- Updated title and format of *Device Information* table........ 1
- Updated RθJA values: D = 86 to 124.5, all values in °C/W 5

TEXAS INSTRUMENTS

SN54AHCT125, SN74AHCT125
SCLS264R – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision Q (October 2023) to Revision R (February 2024) Page

- Updated RθJA value: RGY = 47 to 87.1, all values in °C/W 5

TEXAS INSTRUMENTS

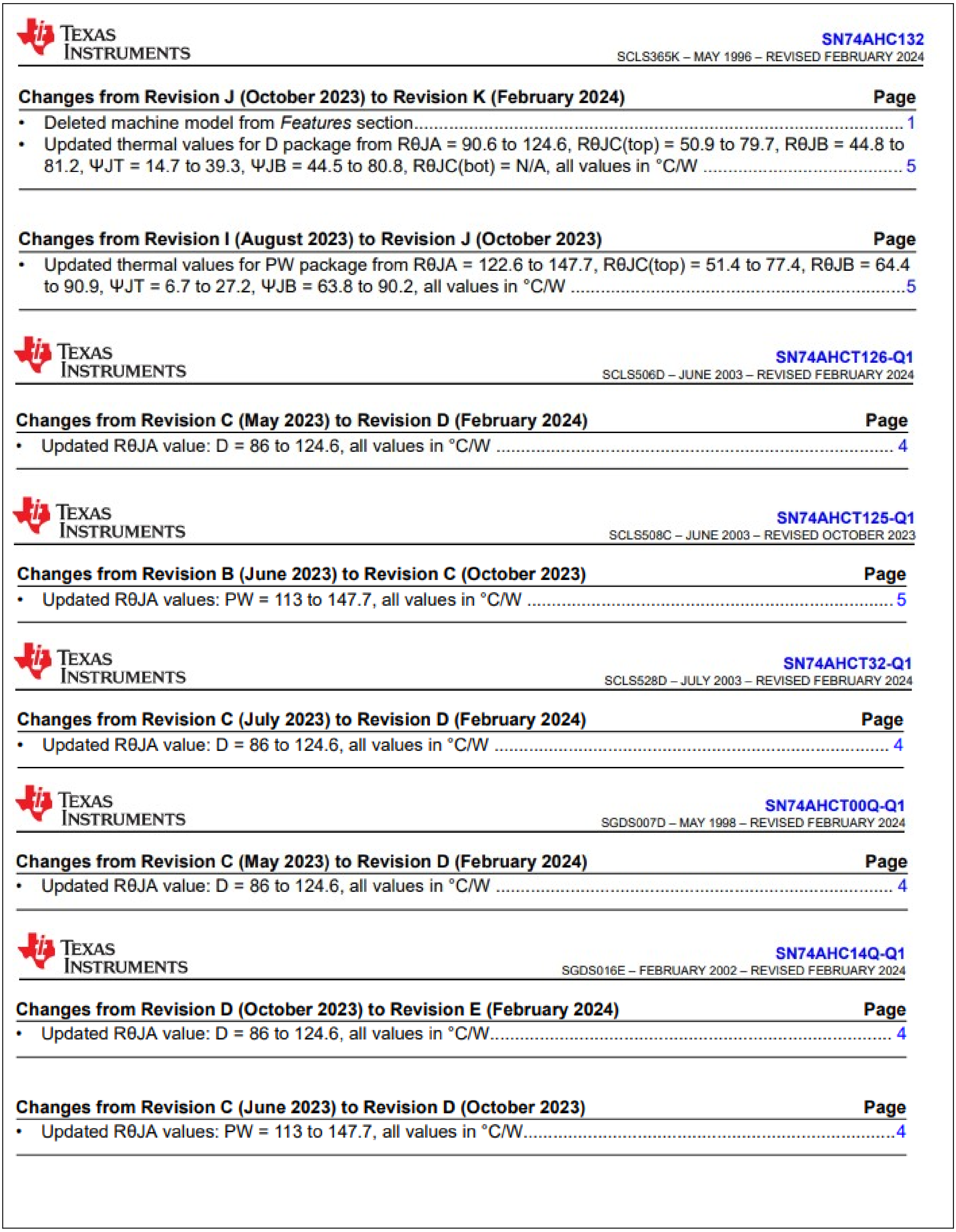
SN54AHCT126, SN74AHCT126
SCLS265S – DECEMBER 1995 – REVISED FEBRUARY 2024

Changes from Revision R (October 2023) to Revision S (February 2024) Page

- Updated thermal values for NS package from RθJA = 90.7 to 120.9, RθJC(top) = 48.3 to 78.2, RθJB = 49.4 to 81.6, ΨJT = 14.6 to 42.8, ΨJB = 49.1 to 81.1, RθJC(bot) = N/A, all values in °C/W 6

Changes from Revision Q (May 2023) to Revision R (October 2023) Page

- Updated RθJA values: D = 90.6 to 124.5, PW = 122.6 to 147.7; Updated D and PW packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W 6



TEXAS INSTRUMENTS

SN74AHC132

SCLS365K – MAY 1996 – REVISED FEBRUARY 2024

Changes from Revision J (October 2023) to Revision K (February 2024) **Page**

- Deleted machine model from *Features* section.. 1
- Updated thermal values for D package from RθJA = 90.6 to 124.6, RθJC(top) = 50.9 to 79.7, RθJB = 44.8 to 81.2, ΨJT = 14.7 to 39.3, ΨJB = 44.5 to 80.8, RθJC(bot) = N/A, all values in °C/W 5

Changes from Revision I (August 2023) to Revision J (October 2023) **Page**

- Updated thermal values for PW package from RθJA = 122.6 to 147.7, RθJC(top) = 51.4 to 77.4, RθJB = 64.4 to 90.9, ΨJT = 6.7 to 27.2, ΨJB = 63.8 to 90.2, all values in °C/W 5

TEXAS INSTRUMENTS

SN74AHCT126-Q1

SCLS506D – JUNE 2003 – REVISED FEBRUARY 2024

Changes from Revision C (May 2023) to Revision D (February 2024) **Page**

- Updated RθJA value: D = 86 to 124.6, all values in °C/W 4

TEXAS INSTRUMENTS

SN74AHCT125-Q1

SCLS508C – JUNE 2003 – REVISED OCTOBER 2023

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

- Updated RθJA values: PW = 113 to 147.7, all values in °C/W 5

TEXAS INSTRUMENTS

SN74AHCT32-Q1

SCLS528D – JULY 2003 – REVISED FEBRUARY 2024

Changes from Revision C (July 2023) to Revision D (February 2024) **Page**

- Updated RθJA value: D = 86 to 124.6, all values in °C/W 4

TEXAS INSTRUMENTS

SN74AHCT00Q-Q1

SGDS007D – MAY 1998 – REVISED FEBRUARY 2024

Changes from Revision C (May 2023) to Revision D (February 2024) **Page**

- Updated RθJA value: D = 86 to 124.6, all values in °C/W 4

TEXAS INSTRUMENTS

SN74AHC14Q-Q1

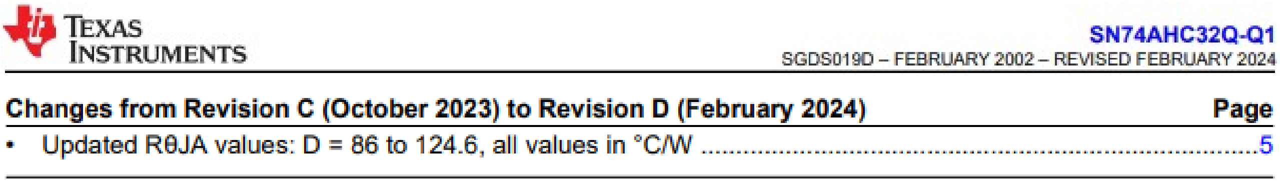
SGDS016E – FEBRUARY 2002 – REVISED FEBRUARY 2024

Changes from Revision D (October 2023) to Revision E (February 2024) **Page**

- Updated RθJA value: D = 86 to 124.6, all values in °C/W... 4

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

- Updated RθJA values: PW = 113 to 147.7, all values in °C/W...4



TEXAS INSTRUMENTS

SN74AHC32Q-Q1

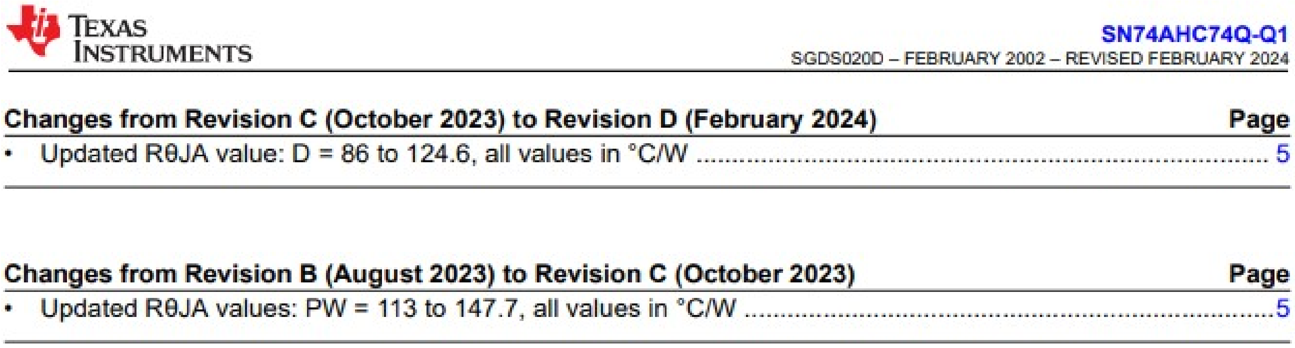
SGDS019D – FEBRUARY 2002 – REVISED FEBRUARY 2024

Changes from Revision C (October 2023) to Revision D (February 2024) **Page**

- Updated RθJA 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 RθJA values: PW = 113 to 147.7, all values in °C/W 5



TEXAS INSTRUMENTS

SN74AHC74Q-Q1

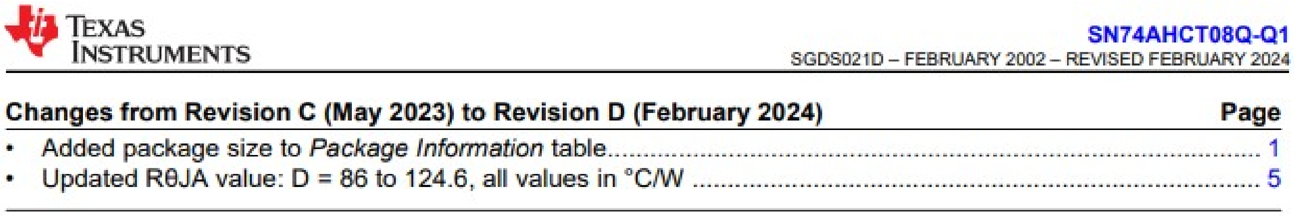
SGDS020D – FEBRUARY 2002 – REVISED FEBRUARY 2024

Changes from Revision C (October 2023) to Revision D (February 2024) **Page**

- Updated RθJA 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 RθJA values: PW = 113 to 147.7, all values in °C/W 5



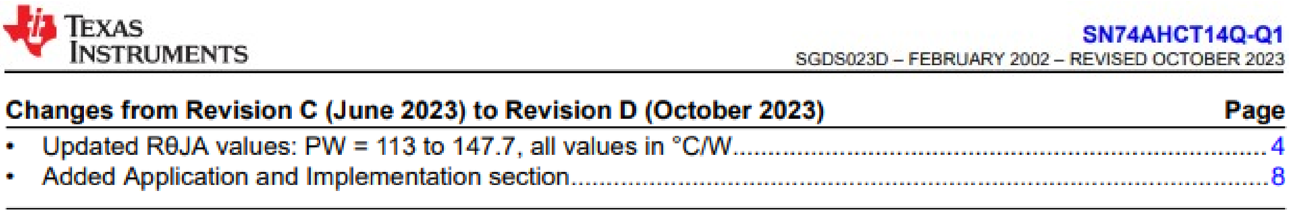
TEXAS INSTRUMENTS

SN74AHCT08Q-Q1

SGDS021D – FEBRUARY 2002 – REVISED FEBRUARY 2024

Changes from Revision C (May 2023) to Revision D (February 2024) **Page**

- Added package size to *Package Information* table........ 1
- Updated RθJA value: D = 86 to 124.6, all values in °C/W 5



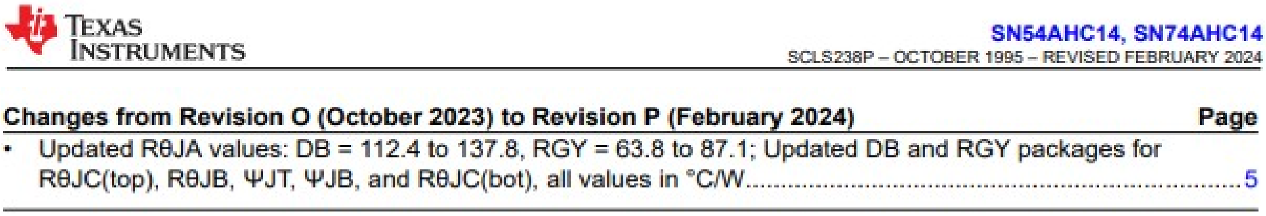
TEXAS INSTRUMENTS

SN74AHCT14Q-Q1

SGDS023D – FEBRUARY 2002 – REVISED OCTOBER 2023

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

- Updated RθJA values: PW = 113 to 147.7, all values in °C/W........ 4
- Added Application and Implementation section........ 8



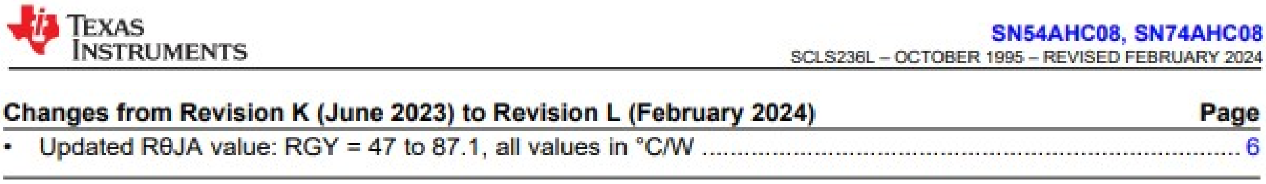
TEXAS INSTRUMENTS

SN54AHC14, SN74AHC14

SCLS238P – OCTOBER 1995 – REVISED FEBRUARY 2024

Changes from Revision O (October 2023) to Revision P (February 2024) **Page**

- Updated RθJA values: DB = 112.4 to 137.8, RGY = 63.8 to 87.1; Updated DB and RGY packages for RθJC(top), RθJB, ΨJT, ΨJB, and RθJC(bot), all values in °C/W........ 5



TEXAS INSTRUMENTS

SN54AHC08, SN74AHC08

SCLS236L – OCTOBER 1995 – REVISED FEBRUARY 2024

Changes from Revision K (June 2023) to Revision L (February 2024) **Page**

- Updated RθJA value: RGY = 47 to 87.1, all values in °C/W 6

The datasheet number will be changing.

Device Family	Change From:	Change To:
SNx4AHC00	SCLS227K	**SCLS227M**
SNx4AHCT04	SCLS232Q	**SCLS232R**
SNx4AHCT08	SCLS237O	**SCLS237P**
SNx4AHC32	SCLS247J	**SCLS247L**
SNx4AHC02	SCLS254L	**SCLS254N**
SNx4AHC74	SCLS255M	**SCLS255N**
SNx4AHC125	SCLS256M	**SCLS256O**
SNx4AHC126	SCLS257M	**SCLS257N**
SNx4AHCT02	SCLS262L	**SCLS262N**
SNx4AHCT74	SCLS263Q	**SCLS263R**
SNx4AHCT125	SCLS264Q	**SCLS264R**
SNx4AHCT126	SCLS265Q	**SCLS265S**
SN74AHC132	SCLS365I	**SCLS365K**
SN74AHCT126-Q1	SCLS506C	**SCLS506D**
SN74AHCT125-Q1	SCLS508B	**SCLS508C**
SN74AHCT32-Q1	SCLS528C	**SCLS528D**
SN74AHCT00Q-Q1	SGDS007C	**SGDS007D**
SN74AHC14Q-Q1	SGDS016C	**SGDS016E**
SN74AHC32Q-Q1	SGDS019B	**SGDS019D**
SN74AHC74Q-Q1	SGDS020B	**SGDS020D**
SN74AHCT08Q-Q1	SGDS021C	**SGDS021D**
SN74AHCT14Q-Q1	SGDS023C	**SGDS023D**
SNx4AHC14	SCLS238O	**SCLS238P**
SNx4AHC08	SCLS236K	**SCLS236L**

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
https://www.ti.com/product/SN54AHC14
https://www.ti.com/product/SN54AHC08

Reason for Change:

Datasheet update driven by changes announced in PCN 20231219000 and 20230927000

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only.

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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