

Downloading Data Sheets from the Internet

Many manufacturers have data sheets available for download from the Internet. Most store the data sheets in the common PDF format that can be read using a reader such as the Adobe Acrobat Reader. Texas Instruments has one of the best sites for accessing and downloading data sheets. An example is shown below.

Downloading the Adobe Acrobat Reader

If you do not already have the Adobe Acrobat Reader, you can download it from the following site:

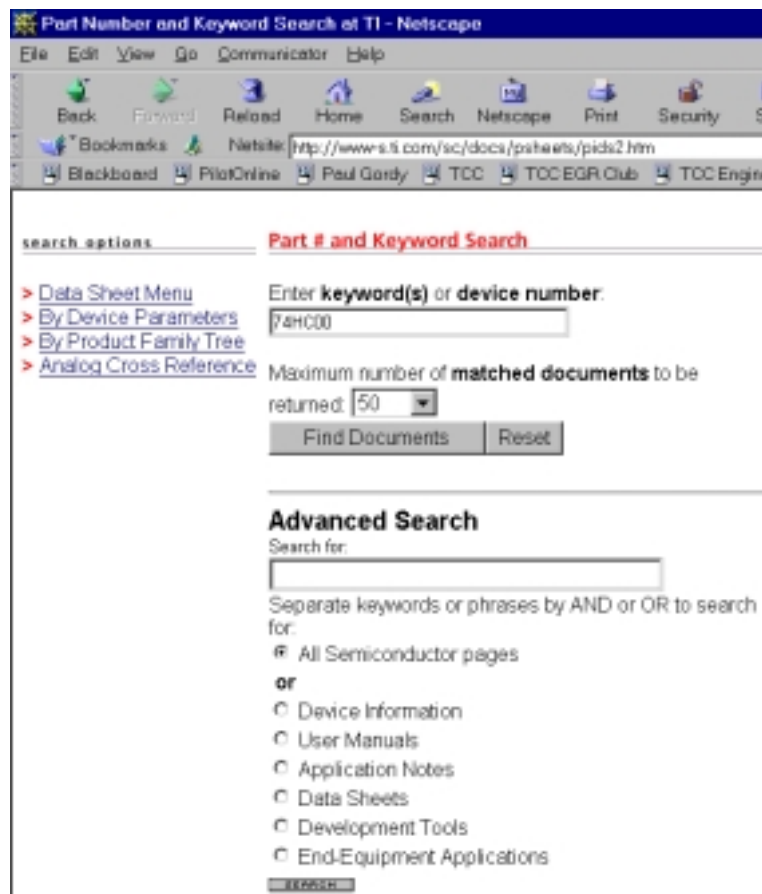
<http://www.adobe.com/prodindex/acrobat/main.html>

Locating and Downloading Data Sheets from Texas Instruments

1. Connect to the following site:

<http://www-s.ti.com/sc/docs/psheets/pids2.htm>

In my example below, note that I entered 74HC00 as a device number and then clicked **on Find Documents**.



- The next screen shows the results of the search. Click on **SN74HC00** for information on that device.

The screenshot shows a Netscape browser window titled "Keyword part search at Texas Instruments - Netscape". The address bar shows the URL "http://www.ti.com/cgi-bin/sci/generic1.cgi". The page header includes the Texas Instruments logo and the tagline "THE WORLD LEADER IN DSP AND ANALOG". Below the header is a search bar with the text "SEARCH" and a dropdown menu for "Specify an area". There are also buttons for "TECH SUPPORT", "KNOWLEDGEBASE", "myWORKSPACE", and "TI&ME".

The search results section is titled "2 Devices found" and contains a table with the following data:

Device Name	Functionality	Device Description	Military Status	Status*
SN74HC00	Quad 2-Input NAND Gates	Quad 2-Input Positive-NAND Gates	No	ACTIVE
CD74HC00	Quad 2-Input NAND Gates	High Speed CMOS Logic Quad 2-Input NAND Gates	No	ACTIVE

Table Data Updated on: 6/5/2001

© Copyright 2001 Texas Instruments Incorporated. All rights reserved. [Trademarks](#) | [Privacy Policy](#) | [Important Notice](#)

- The next screen shows some basic information for the device. For a complete data sheet in Adobe Acrobat format, click on [scls181b.pdf](#) to download the device. Once it was downloaded you might save it on your computer as 74HC00.PDF (a more logical name). The data sheet can be printed from within the Adobe Acrobat Reader.

The screenshot shows a Netscape browser window displaying the Texas Instruments website. The browser's address bar shows the URL: <http://focus.ti.com/docs/prod/productfolder/html/generic/PartNumber=SN74HC00>. The website header features the Texas Instruments logo and the tagline "THE WORLD LEADER IN DSP AND ANALOG". Below the header is a search bar and navigation links for "TECH SUPPORT", "KNOWLEDGEBASE", "myWORKSPACE", and "TI&ME". The main content area is titled "SN74HC00, Quad 2-Input Positive-NAND Gates" and indicates the device status as "ACTIVE".

On the left side, there is a "DATASHEET" section with a link to [scls181b.pdf \(76 kb\)](#). Below this, there are buttons for "ADD TO myWORKSPACE" and "VIEW/PRINT COMPLETE PRODUCT FOLDER". A "PRODUCT INFORMATION" section lists links for "Features", "Description", "Samples", and "Pricing/Availability".

On the right side, there is a table of parameters for the SN74HC00 device:

PARAMETER NAME	SN74HC00
Voltage Nodes (V)	6, 5, 2
Vcc range (V)	2.0 to 6.0
Input Level	CMOS
Output Level	CMOS
Output Drive (mA)	-4/4
No. of Gates	4
Static Current	0.02
tpd(max) (ns)	20

Below the table, there is a "FEATURES" section.

- The next page shows page 1 of the 5 page data sheet.

SN54HC00, SN74HC00 QUADRUPLE 2-INPUT POSITIVE-NAND GATES

SCLS181B - DECEMBER 1982 - REVISED MAY 1997

- Package Options Include Plastic Small-Outline (D), Thin Shrink Small-Outline (PW), and Ceramic Flat (W) Packages, Ceramic Chip Carriers (FK), and Standard Plastic (N) and Ceramic (J) 300-mil DIPs

description

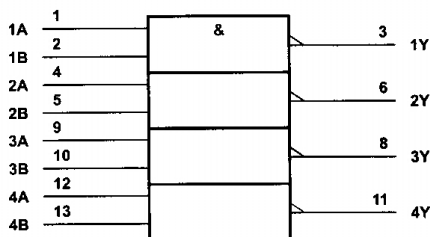
These devices contain four independent 2-input NAND gates. They perform the Boolean function $Y = \overline{A \cdot B}$ or $Y = \overline{A} + \overline{B}$ in positive logic.

The SN54HC00 is characterized for operation over the full military temperature range of -55°C to 125°C . The SN74HC00 is characterized for operation from -40°C to 85°C .

FUNCTION TABLE
(each gate)

INPUTS		OUTPUT
A	B	Y
H	H	L
L	X	H
X	L	H

logic symbol†

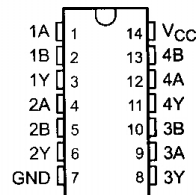


† This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12. Pin numbers shown are for the D, J, N, PW, and W packages.

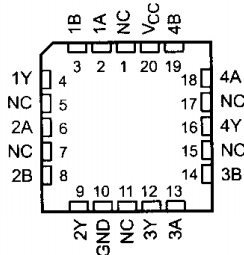
logic diagram (positive logic)



SN54HC00 ... J OR W PACKAGE
SN74HC00 ... D, N, OR PW PACKAGE
(TOP VIEW)



SN54HC00 ... FK PACKAGE
(TOP VIEW)



NC - No internal connection



Please be aware that an important notice concerning availability, standard warranty, and use in critical applications or Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.

**TEXAS
INSTRUMENTS**

POST OFFICE BOX 655303 • DALLAS, TEXAS 75265

Copyright © 1997, Texas Instruments Incorporated