

Data sheet acquired from Harris Semiconductor SCHS205I

CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

High-Speed CMOS Logic Hex Buffers, Inverting and Non-Inverting

February 1998 - Revised February 2005

Features

- Typical Propagation Delay: 6ns at V_{CC} = 5V, C_L = 15pF, T_A = 25°C
- High-to-Low Voltage Level Converter for up to V_I = 16V
- Fanout (Over Temperature Range)
 - Standard Outputs...... 10 LSTTL Loads
 - Bus Driver Outputs 15 LSTTL Loads
- Wide Operating Temperature Range . . . –55°C to 125°C
- Balanced Propagation Delay and Transition Times
- Significant Power Reduction Compared to LSTTL Logic ICs
- HC Types
 - 2V to 6V Operation
 - High Noise Immunity: N_{IL} = 30%, N_{IH} = 30% of V_{CC} at V_{CC} = 5V

Pinout

CD54HC4049, CD54HC4050 (CERDIP) CD74HC4049, CD74HC4050 (PDIP, SOIC, SOP, TSSOP) TOP VIEW

<u>4049</u>	<u>4050</u>	 <u>4050</u>	<u>4049</u>
v_{CC}	V _{CC} 1	16 NC	NC
<u>1Y</u>	1Y 2	15 6Y	6Y
1A	1A 3	14 6A	6A
2 Y	2Y 4	13 NC	NC
2A	2A 5	12 5Y	5Y
3Y	3Y 6	11 5A	5A
3A	3A 7	10 4Y	4Y
GND	GND 8	9 4A	4A

Description

The 'HC4049 and 'HC4050 are fabricated with high-speed silicon gate technology. They have a modified input protection structure that enables these parts to be usedas logic level translators which convert high-level logic to a low-level logic while operating off the low-level logic supply. For example, 15-V input pulse levels can be down-converted to 0-V to 5-V logic levels. The modified input protection structure protects the input from negative electrostatic discharge. These parts also can be used as simple buffers or inverters without level translation. The 'HC4049 and 'HC4050 are enhanced versions of equivalent CMOS types.

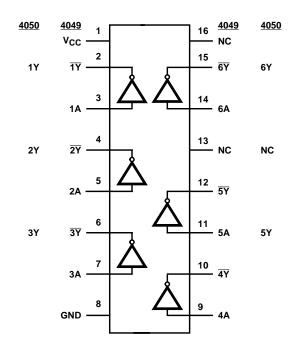
Ordering Information

PART NUMBER	TEMP. RANGE (°C)	PACKAGE
CD54HC4049F3A	-55 to 125	16 Ld CERDIP
CD54HC4050F3A	-55 to 125	16 Ld CERDIP
CD74HC4049E	-55 to 125	16 Ld PDIP
CD74HC4049M	-55 to 125	16 Ld SOIC
CD74HCT4050MT	-55 to 125	16 Ld SOIC
CD74HC4049M96	-55 to 125	16 Ld SOIC
CD74HC4049NSR	-55 to 125	16 Ld SOP
CD74HC4049PW	-55 to 125	16 Ld TSSOP
CD74HC4049PWR	-55 to 125	16 Ld TSSOP
CD74HC4049PWT	-55 to 125	16 Ld TSSOP
CD74HC4050E	-55 to 125	16 Ld PDIP
CD74HC4050M	-55 to 125	16 Ld SOIC
CD74HC4050MT	-55 to 125	16 Ld SOIC
CD74HC4050M96	-55 to 125	16 Ld SOIC
CD74HC4050NSR	-55 to 125	16 Ld SOP
CD74HC4050PW	-55 to 125	16 Ld TSSOP
CD74HC4050PWR	-55 to 125	16 Ld TSSOP
CD74HC4050PWT	-55 to 125	16 Ld TSSOP

NOTE: When ordering, use the entire part number. The suffixes 96 and R denote tape and reel. The suffix T denotes a small-quantity reel of 250.

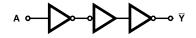
CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

Functional Diagram

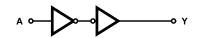


Logic Diagrams

HC4049



HC4050



CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

Absolute Maximum Ratings

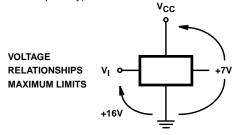
DC Supply Voltage, V _{CC} 0.5V to 7V
Input Voltage Range
DC Input Diode Current, I _{IK}
For V _I < -0.5V20mA
DC Output Diode Current, IOK
For $V_O < -0.5V$ or $V_O > V_{CC} + 0.5V$
DC Output Source or Sink Current per Output Pin, IO
For $V_O > -0.5V$ or $V_O < V_{CC} + 0.5V$
DC V _{CC} or Ground Current, I _{CC or} I _{GND} ±50mA

Operating Conditions

Temperature Range (T _A)–55°C to 125°C
Supply Voltage Range, V _{CC}
HC Types2V to 6V
HCT Types
DC Input Voltage, V ₁ 0V to 15V
DC Output Voltage, VO
Input Rise and Fall Time
2V
4.5V 500ns (Max)
6V

Thermal Information

Package Thermal Impedance, θ _{JA} (see Note 1):
E (PDIP) Package
M (SOIC) Package73°C/W
NS (SOP) Package 64°C/W
PW (TSSOP) Package 108 ^o C/W
Maximum Junction Temperature (Hermetic Package or Die) 175°C
Maximum Junction Temperature (Plastic Package) 150°C
Maximum Storage Temperature Range –65°C to 150°C
Maximum Lead Temperature (Soldering 10s)300°C
(SOIC - Lead Tips Only)



CAUTION: Stresses above those listed in "Absolute Maximum Ratings" may cause permanent damage to the device. This is a stress only rating and operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied.

NOTE:

1. The package thermal impedance is calculated in accordance with JESD 51-7.

DC Electrical Specifications

		TES CONDI		V _{CC}		25°C		-40°C 1	го 85°С		C TO 5°C	
PARAMETER	SYMBOL	V _I (V)	I _O (mA)	(V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNITS
HC TYPES												
High Level Input	V _{IH}	-	-	2	1.5	-	-	1.5	-	1.5	-	V
Voltage				4.5	3.15	-	-	3.15	-	3.15	-	V
				6	4.2	-	-	4.2	-	4.2	-	V
Low Level Input Voltage	V _{IL}	-	-	2	-	-	0.5	-	0.5	-	0.5	V
				4.5	-	-	1.35	-	1.35	-	1.35	V
				6	-	-	1.8	-	1.8	-	1.8	V
High Level Output	V _{OH}	V _{IH} or V _{IL}	-0.02	2	1.9	-	-	1.9	-	1.9	-	V
Voltage CMOS Loads			-0.02	4.5	4.4	-	-	4.4	-	4.4	-	V
OWIGO Educa			-0.02	6	5.9	-	-	5.9	-	5.9	-	V
High Level Output			-4	4.5	3.98	-	-	3.84	-	3.7	-	V
Voltage TTL Loads			-5.2	6	5.48	-	-	5.34	-	5.2	-	V
Low Level Output	V _{OL}	V _{IH} or V _{IL}	0.02	2	-	-	0.1	-	0.1	-	0.1	V
Voltage CMOS Loads			0.02	4.5	-	-	0.1	-	0.1	-	0.1	V
OMOO Eddds			0.02	6	-	-	0.1	-	0.1	-	0.1	V
Low Level Output			4	4.5	-	-	0.26	-	0.33	-	0.4	V
Voltage TTL Loads			5.2	6	-	-	0.26	_	0.33	i	0.4	V
Input Leakage Current	II	V _{CC} or GND	-	6	-	-	±0.1	-	±1	-	±1	μА
		15	-	6	-	-	±0.5	-	±5	-	±5]

CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

DC Electrical Specifications (Continued)

		TE: CONDI		V _{CC}		25°C		–40°C 1	O 85°C		C TO 5°C	
PARAMETER	SYMBOL	V _I (V)	I _O (mA)	(V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNITS
Quiescent Device Current	Icc	V _{CC} or GND	0	6	-	-	2	-	20	-	40	μА

Switching Specifications Input t_r, t_f = 6ns

		TEST		25°C			–40°C TO 85°C		–55°C TO 125°C		
PARAMETER	SYMBOL	CONDITIONS	V _{CC} (V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNITS
HC TYPES											
Propagation Delay,	t _{PLH} , t _{PHL}	$C_L = 50pF$	2	-	-	85	-	105	-	130	ns
nA to nY HC4049 nA to nY HC4050			4.5	-	-	17	-	21	-	26	ns
11/7 (3 111 110 4000			6	-	-	14	-	18	-	22	ns
		C _L = 15pF	5	-	6	-	-	-	-	-	ns
Transition Times (Figure 1)	t _{TLH} , t _{THL}	C _L = 50pF	2	-	-	75	-	95	-	110	ns
			4.5	-	-	15	-	19	-	22	ns
			6	-	-	13	-	16	-	19	ns
Input Capacitance	Cl	-	-	-	-	10	-	10	-	10	pF
Power Dissipation Capacitance (Notes 2, 3)	C _{PD}	-	5	-	35	-	-	-	-	-	pF

NOTES:

- 2. C_{PD} is used to determine the dynamic power consumption, per gate. 3. $P_D = V_{CC}^2 f_i (C_{PD} + C_L)$ where f_i = Input Frequency, C_L = Output Load Capacitance, V_{CC} = Supply Voltage.

Test Circuit and Waveform

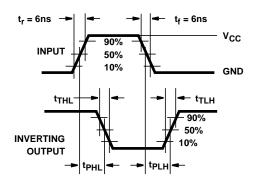


FIGURE 1. HC AND HCU TRANSITION TIMES AND PROPAGATION DELAY TIMES, COMBINATION LOGIC





25-Sep-2013

PACKAGING INFORMATION

Orderable Device	Status	Package Type	_	Pins	_	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking
	(1)		Drawing		Qty	(2)		(3)		(4/5)
5962-8681901EA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-8681901EA CD54HC4049F3A
5962-8682001EA	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-8682001EA CD54HC4050F3A
CD54HC4049F3A	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-8681901EA CD54HC4049F3A
CD54HC4050F3A	ACTIVE	CDIP	J	16	1	TBD	A42	N / A for Pkg Type	-55 to 125	5962-8682001EA CD54HC4050F3A
CD74HC4049E	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4049E
CD74HC4049EE4	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4049E
CD74HC4049M	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049M96	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049M96E4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049M96G4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049ME4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049MG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049MT	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049MTE4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049MTG4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049NSR	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049NSRE4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M



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Orderable Device	Status	Package Type	_	Pins	_	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking
	(1)		Drawing		Qty	(2)		(3)		(4/5)
CD74HC4049NSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M
CD74HC4049PW	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWE4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWG4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWR	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWRE4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWRG4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWT	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWTE4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4049PWTG4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049
CD74HC4050E	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4050E
CD74HC4050EE4	ACTIVE	PDIP	N	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4050E
CD74HC4050M	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050M96	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050M96E4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050M96G4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050ME4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050MG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M





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Orderable Device	Status	Package Type	Package Drawing	Pins	Package Qty	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)
CD74HC4050MT	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050MTE4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050MTG4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050NSR	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050NSRE4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050NSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M
CD74HC4050PW	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWE4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWG4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWR	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWRE4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWRG4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWT	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWTE4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050
CD74HC4050PWTG4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050

⁽¹⁾ The marketing status values are defined as follows: **ACTIVE:** Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSOLETE: TI has discontinued the production of the device.

PACKAGE OPTION ADDENDUM



25-Sep-2013

(2) Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS), Pb-Free (RoHS Exempt), or Green (RoHS & no Sb/Br) - please check http://www.ti.com/productcontent for the latest availability information and additional product content details.

TBD: The Pb-Free/Green conversion plan has not been defined.

Pb-Free (RoHS): TI's terms "Lead-Free" or "Pb-Free" mean semiconductor products that are compatible with the current RoHS requirements for all 6 substances, including the requirement that lead not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI Pb-Free products are suitable for use in specified lead-free processes.

Pb-Free (RoHS Exempt): This component has a RoHS exemption for either 1) lead-based flip-chip solder bumps used between the die and package, or 2) lead-based die adhesive used between the die and leadframe. The component is otherwise considered Pb-Free (RoHS compatible) as defined above.

Green (RoHS & no Sb/Br): TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

- (3) MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.
- (4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.
- (5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.

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OTHER QUALIFIED VERSIONS OF CD54HC4049, CD54HC4050, CD74HC4049, CD74HC4050:

Catalog: CD74HC4049, CD74HC4050

Military: CD54HC4049, CD54HC4050

NOTE: Qualified Version Definitions:

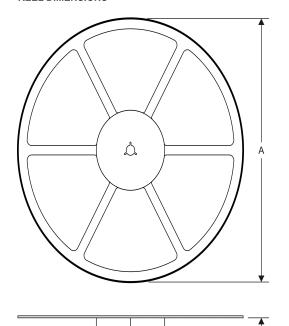
- Catalog TI's standard catalog product
- Military QML certified for Military and Defense Applications

PACKAGE MATERIALS INFORMATION

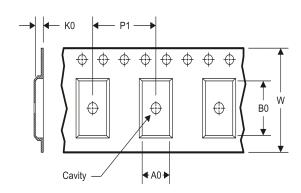
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TAPE AND REEL INFORMATION

REEL DIMENSIONS



TAPE DIMENSIONS



A0	Dimension designed to accommodate the component width
В0	Dimension designed to accommodate the component length
K0	Dimension designed to accommodate the component thickness
W	Overall width of the carrier tape
P1	Pitch between successive cavity centers

TAPE AND REEL INFORMATION

*All dimensions are nominal

Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
CD74HC4049M96	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
CD74HC4049NSR	so	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
CD74HC4049PWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
CD74HC4049PWT	TSSOP	PW	16	250	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
CD74HC4050M96	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
CD74HC4050NSR	so	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
CD74HC4050PWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
CD74HC4050PWT	TSSOP	PW	16	250	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1

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*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
CD74HC4049M96	SOIC	D	16	2500	333.2	345.9	28.6
CD74HC4049NSR	SO	NS	16	2000	367.0	367.0	38.0
CD74HC4049PWR	TSSOP	PW	16	2000	367.0	367.0	35.0
CD74HC4049PWT	TSSOP	PW	16	250	367.0	367.0	35.0
CD74HC4050M96	SOIC	D	16	2500	333.2	345.9	28.6
CD74HC4050NSR	SO	NS	16	2000	367.0	367.0	38.0
CD74HC4050PWR	TSSOP	PW	16	2000	367.0	367.0	35.0
CD74HC4050PWT	TSSOP	PW	16	250	367.0	367.0	35.0

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