

Data sheet acquired from Harris Semiconductor SCHS205I

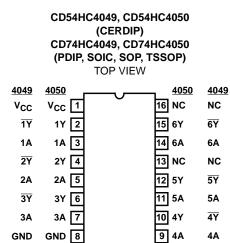
CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

February 1998 - Revised February 2005

Features

- Typical Propagation Delay: 6ns at $V_{CC} = 5V$, $C_L = 15pF$, $T_A = 25^{\circ}C$
- 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



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

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.

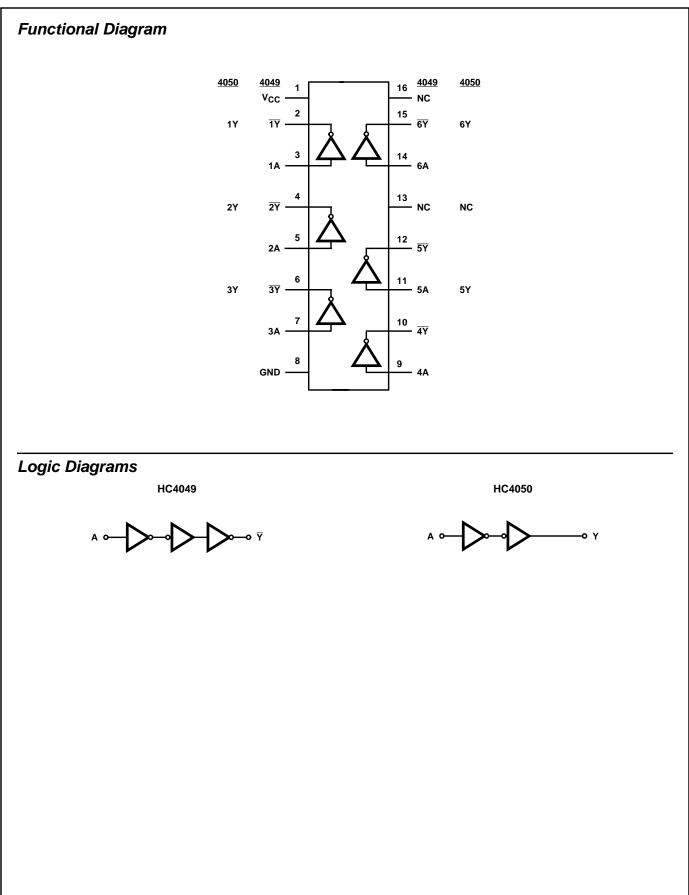
Ordering Information

PART NUMBER	TEMP. RANGE (^o 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.

CAUTION: These devices are sensitive to electrostatic discharge. Users should follow proper IC Handling Procedures.

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Absolute Maximum Ratings

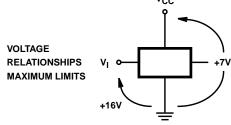
DC Supply Voltage, V _{CC} 0.5V to 7V
Input Voltage Range
DC Input Diode Current, IIK
For V _I < –0.5V–20mA
DC Output Diode Current, I _{OK}
For $V_O < -0.5V$ or $V_O > V_{CC} + 0.5V\pm 20$ mA
DC Output Source or Sink Current per Output Pin, IO
For $V_0 > -0.5V$ or $V_0 < V_{CC} + 0.5V$ ±25mA
DC V _{CC} or Ground Current, I _{CC or} I _{GND} ±50mA

Operating Conditions

Temperature Range (T_A)
Supply Voltage Range, V _{CC}
HC Types
HCT Types4.5V to 5.5V
DC Input Voltage, V ₁ 0V to 15V
DC Output Voltage, V _O 0V to V _{CC}
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 ^o C/W
NS (SOP) Package 64°C/W
PW (TSSOP) Package 108°C/W
Maximum Junction Temperature (Hermetic Package or Die) 175 ^o C
Maximum Junction Temperature (Plastic Package)
Maximum Storage Temperature Range65°C to 150°C
Maximum Lead Temperature (Soldering 10s)
(SOIC - Lead Tips Only)
Vcc



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

		TE: CONDI		V _{CC}		25 ⁰ C		–40 ⁰ C 1	0 85°C		C TO 5°C	
PARAMETER	SYMBOL	V _I (V)	I _O (mA)	(Ŭ)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNITS
HC TYPES												
High Level Input	VIH	-	-	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	VIL	-	-	2	-	-	0.5	-	0.5	-	0.5	V
Voltage				4.5	-	-	1.35	-	1.35	-	1.35	V
				6	-	-	1.8	-	1.8	-	1.8	V
High Level Output Voltage CMOS Loads	V _{OH}	V _{IH} or V _{IL}	-0.02	2	1.9	-	-	1.9	-	1.9	-	V
			-0.02	4.5	4.4	-	-	4.4	-	4.4	-	V
			-0.02	6	5.9	-	-	5.9	-	5.9	-	V
High Level Output	1		-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}	$V_{\text{IH}} \text{ or } V_{\text{IL}}$	0.02	2	-	-	0.1	-	0.1	-	0.1	V
Voltage CMOS Loads			0.02	4.5	-	-	0.1	-	0.1	-	0.1	V
			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	-	0.4	V
Input Leakage Current	lı	V _{CC} or GND	-	6	-	-	±0.1	-	±1	-	±1	μΑ
		15	-	6	-	-	±0.5	-	±5	-	±5	1

CD54HC4049, CD74HC4049, CD54HC4050, CD74HC4050

		-	EST	v _{cc}		25 ⁰ C				–40°C TO 85°C			–55°C TO 125°C		
PARAMETER	ЗҮМВО	L V _I (V)	I _O (mA)	(V)	MI	N T	YP	MAX	MIN	MA	٩X	MIN	MAX		
Quiescent Device I _{CC} Current		V _{CC} or GND	0	6	-		-	2	-	2	0	-	40	μA	
Switching Specif	ications	Input t _r , t _f =	6ns							40 ⁰ C 1	<u></u>	_55	ос то		
			TEST		25 ⁰ C			85 ⁰ C		125°C					
PARAMETER		SYMBOL	CONDITION	s v _{co}	; (V)	MIN	TYP	MA	х мі	NN	IAX	MIN	MAX		
HC TYPES					•										
Propagation Delay,		t _{PLH} , t _{PHL}	$C_L = 50 pF$	2	2	-	-	85	-		105	-	130	ns	
nA to nY HC4049 nA to nY HC4050				4.	.5	-	-	17	-		21	-	26	ns	
				6	6	-	-	14	-		18	-	22	ns	
			C _L = 15pF	5	5	-	6	-	-		-	-	-	ns	
Transition Times (Figu	ıre 1)	t _{TLH} , t _{THL}	$C_L = 50 pF$	2	2	-	-	75	-		95	-	110	ns	
				4.	.5	-	-	15	-		19	-	22	ns	
				6	6	-	-	13	-		16	-	19	ns	
Input Capacitance		Cl	-	-		-	-	10	-		10	-	10	pF	
Power Dissipation Ca	oacitance	C _{PD}	_	5		-	35	_			_	_	1	pF	

NOTES:

(Notes 2, 3)

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

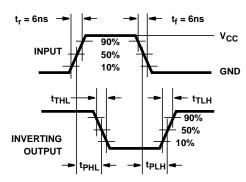


FIGURE 1. HC AND HCU TRANSITION TIMES AND PROPAGATION DELAY TIMES, COMBINATION LOGIC



25-Sep-2013

PACKAGING INFORMATION

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



PACKAGE OPTION ADDENDUM

25-Sep-2013

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)	Samples
CD74HC4049NSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4049M	Samples
CD74HC4049PW	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWE4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWG4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWR	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWRE4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWRG4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWT	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWTE4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4049PWTG4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4049	Samples
CD74HC4050E	ACTIVE	PDIP	Ν	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4050E	Samples
CD74HC4050EE4	ACTIVE	PDIP	Ν	16	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	-55 to 125	CD74HC4050E	Samples
CD74HC4050M	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050M96	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050M96E4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050M96G4	ACTIVE	SOIC	D	16	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Sample
CD74HC4050ME4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Sample
CD74HC4050MG4	ACTIVE	SOIC	D	16	40	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Sample



PACKAGE OPTION ADDENDUM

25-Sep-2013

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)	Samples
CD74HC4050MT	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050MTE4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050MTG4	ACTIVE	SOIC	D	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050NSR	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050NSRE4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050NSRG4	ACTIVE	SO	NS	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HC4050M	Samples
CD74HC4050PW	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWE4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWG4	ACTIVE	TSSOP	PW	16	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWR	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWRE4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWRG4	ACTIVE	TSSOP	PW	16	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Sample
CD74HC4050PWT	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWTE4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples
CD74HC4050PWTG4	ACTIVE	TSSOP	PW	16	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	HJ4050	Samples

⁽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.



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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

Texas Instruments





TAPE AND REEL INFORMATION

TAPE DIMENSIONS



A0	Dimension designed to accommodate the component width
B0	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

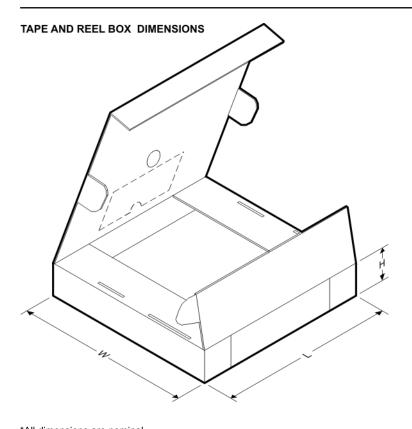
All dimensions are nominal												
Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
CD74HC4049M96	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
CD74HC4049NSR	SO	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
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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PACKAGE MATERIALS INFORMATION

14-Jul-2012



*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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