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SN74AHC00, Status: ACTIVE

Quadruple 2-Input Positive-NAND Gates

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Features	Samples	Technical Documents
Quality & Pb-Free Data	Pricing/Packaging	Applications Notes
Related Products	Inventory	Simulation Models
Tools & Software	Symbols/Footprints	Reference Designs

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Datasheet



SN54AHC00, SN74AHC00 (Rev. I) (sn74ahc00.pdf, 637 KB)
 01 Jul 2003 [Download](#)


	SN54AHC00	SN74AHC00
Voltage Nodes(V)	5, 3.3	5, 3.3
Vcc range(V)	2.0 to 5.5	2.0 to 5.5
Input Level	CMOS	CMOS
Output Level	CMOS	CMOS
Output Drive(mA)	-8/8	-8/8
No. of Gates	4	4
Static Current	0.02	0.02
tpd max(ns)	8.5	8.5
	Samples	Samples
	Inventory	Inventory

Product Information

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



- Operating Range 2-V to 5.5-V V_{CC}
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- ESD Protection Exceeds JESD 22
 - 2000-V Human-Body Model (A114-A)
 - 200-V Machine Model (A115-A)
 - 1000-V Charged-Device Model (C101)

 Description

The 'AHC00 devices perform the Boolean function $Y = (A \cdot B) \setminus$ or $Y = A \setminus + B \setminus$ in positive logic.

Pricing/Packaging/CAD Design Tools/Samples								
			Packaging				CAD Design Tools	Samples
Device	Status	Temp (°C)	Industry Standard (TI Pkg) Pins	Top Side Marking	Standard Pack Quantity	Footprints	Samples	
SN74AHC00D	ACTIVE	-40 to 85	SOIC (D) 14	View	50	View	Purchase Samples	
SN74AHC00DBLE	OBSOLETE	-40 to 85	SSOP (DB) 14	View		View	Not Available	
SN74AHC00DBR	ACTIVE	-40 to 85	SSOP (DB) 14	View	2000	View	Contact TI Distributor or Sales Office	
SN74AHC00DBRE4	ACTIVE	-40 to 85	SSOP (DB) 14	View	2000	View	Request Free Samples	
SN74AHC00DE4	ACTIVE	-40 to 85	SOIC (D) 14	View	50	View	Purchase Samples	
SN74AHC00DGVR	ACTIVE	-40 to 85	TVSOP (DGV) 14		2000	View	Contact TI Distributor or Sales Office	
SN74AHC00DGVRE4	ACTIVE	-40 to 85	TVSOP (DGV) 14		2000	View	Purchase Samples	
SN74AHC00DR	ACTIVE	-40 to 85	SOIC (D) 14	View	2500	View	Contact TI Distributor or Sales Office	
SN74AHC00DRE4	ACTIVE	-40 to 85	SOIC (D) 14	View	2500	View	Request Free Samples	
SN74AHC00N	ACTIVE	-40 to 85	PDIP (N) 14	View	25	View	Contact TI Distributor or Sales Office	
SN74AHC00NE4	ACTIVE	-40 to 85	PDIP (N) 14	View	25	View	Request Free Samples	
SN74AHC00NSR	ACTIVE	-40 to 85	SO (NS) 14	View	2000	View	Contact TI Distributor or Sales Office	
SN74AHC00NSRE4	ACTIVE	-40 to 85	SO (NS) 14	View	2000	View	Purchase Samples	
SN74AHC00PW	ACTIVE	-40 to 85	TSSOP (PW) 14	View	90	View	Purchase Samples	
SN74AHC00PWE4	ACTIVE	-40 to 85	TSSOP (PW) 14	View	90	View	Purchase Samples	

Quality & Lead (Pb)-Free Data					
	Product Content				MTBF/FIT Rate
Device	Eco Plan*	Lead/Ball Finish	MSL Rating/Peak Reflow	Details	Details
SN74AHC00D 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DBR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DBRE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DGVR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View

SN74AHC00DGVRE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00DRE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00N 	Pb-Free (RoHS)	CU NIPDAU	Level-NC-NC-NC	View	View
SN74AHC00NE4 	Pb-Free (RoHS)	CU NIPDAU	Level-NC-NC-NC	View	View
SN74AHC00NSR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00NSRE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PW 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PWE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PWG4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PWR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PWRE4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00PWRG4 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View
SN74AHC00RGYR 	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR	View	View

* The planned eco-friendly classification: Pb-Free (RoHS) or Green (RoHS & no Sb/Br) - please click on the Product Content Details "View" link in the table above for the latest availability information and additional product content details.

If the information you are requesting is not available online at this time, contact one of our [Product Information Centers](#) regarding the availability of this information.