



74HC14D/AUJ Information



For Reference Only

Part Number 74HC14D/AUJ

Manufacturer NXP

Category Integrated Circuits (ICs)

Logic - Gates and Inverters

Description IC HEX SCHMITT-TRIG INV 14-SOIC

Package 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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74HC14D/AUJ Specifications

Manufacturer Part Number 74HC14D/AUJ Manufacturer NXP Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC (0.154", 3.90mm Width) Series 74HC Logic Type Inverter Number of Circuits 6 Number of Inputs 6 Features Schmitt Trigger Voltage - Supply 2 V ~ 6 V Current - Quiescent (Max) 2μA Current - Output High, Low 5.2mA, 5.2mA Logic Level - Low 0.3 V ~ 1.2 V Logic Level - High 1.5 V ~ 4.2 V Max Propagation Delay @ V, Max CL 21ns @ 6V, 50pF Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount		
Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC $(0.154", 3.90 \text{mm Width})$ Series 74HC Logic Type Inverter Number of Circuits 6 Number of Inputs 6 Features Schmitt Trigger Voltage - Supply 2 $V \sim 6V$ Current - Quiescent (Max) 2 μ A Current - Output High, Low 5.2 μ A Logic Level - Low 0.3 $V \sim 1.2V$ Logic Level - High 1.5 $V \sim 4.2V$ Operating Temperature 240°C $\sim 125^{\circ}$ C	Manufacturer Part Number	74HC14D/AUJ
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-SOIC } (0.154\text{"}, 3.90\text{mm Width}) \\ \text{Series} & 74\text{HC} \\ \text{Logic Type} & \text{Inverter} \\ \text{Number of Circuits} & 6 \\ \text{Number of Inputs} & 6 \\ \text{Features} & \text{Schmitt Trigger} \\ \text{Voltage - Supply} & 2 \text{ V} \sim 6 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 2\mu\text{A} \\ \text{Current - Output High, Low} & 5.2\text{mA}, 5.2\text{mA} \\ \text{Logic Level - Low} & 0.3 \text{ V} \sim 1.2 \text{ V} \\ \text{Logic Level - High} & 1.5 \text{ V} \sim 4.2 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 21\text{ns @ 6V, 50pF} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \end{array}$	Manufacturer	NXP
Package $14\text{-SOIC } (0.154\text{"}, 3.90 \text{mm Width})$ Series 74HC Logic Type Inverter $Number of Circuits \qquad 6$ Number of Inputs 6 Features $Schmitt Trigger$ Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu \text{A}$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ Logic Level - Low $0.3 \text{ V} \sim 1.2 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $2\ln \text{s@ 6V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Category	Integrated Circuits (ICs)
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Number of Inputs6FeaturesSchmitt TriggerVoltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ Logic Level - Low $0.3 \text{ V} \sim 1.2 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $21\text{ns @ 6V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Logic Type	Inverter
$\begin{tabular}{lll} Features & Schmitt Trigger \\ Voltage - Supply & 2 \ V \sim 6 \ V \\ Current - Quiescent (Max) & 2 \mu A \\ Current - Output High, Low & 5.2 mA, 5.2 mA \\ Logic Level - Low & 0.3 \ V \sim 1.2 \ V \\ Logic Level - High & 1.5 \ V \sim 4.2 \ V \\ Max Propagation Delay @ V, Max CL & 21 ns @ 6 V, 50 pF \\ Operating Temperature & -40 °C \sim 125 °C \\ \end{tabular}$	Number of Circuits	6
Voltage - Supply $2\ V \sim 6\ V$ $Current - Quiescent (Max) \qquad 2\mu A$ $Current - Output High, Low \qquad 5.2mA, 5.2mA$ $Logic Level - Low \qquad 0.3\ V \sim 1.2\ V$ $Logic Level - High \qquad 1.5\ V \sim 4.2\ V$ $Max\ Propagation\ Delay\ @\ V,\ Max\ CL \qquad 21ns\ @\ 6V,\ 50pF$ $Operating\ Temperature \qquad -40^{\circ}C \sim 125^{\circ}C$	Number of Inputs	6
Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2mA$, $5.2mA$ Logic Level - Low $0.3 \text{ V} \sim 1.2 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $21ns$ @ 6V, $50pF$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Features	Schmitt Trigger
Current - Output High, Low 5.2mA , 5.2mA Logic Level - Low $0.3 \text{ V} \sim 1.2 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL 21ns @ 6 V , 50pF Operating Temperature $-40 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C}$	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.3 \text{ V} \sim 1.2 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL 21ns @ 6V , 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Current - Quiescent (Max)	2μΑ
Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL 21ns @ 6V, 50pF Operating Temperature $-40 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C}$	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL 21ns @ 6V, 50pF Operating Temperature -40°C ~ 125°C	Logic Level - Low	0.3 V ~ 1.2 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Logic Level - High	1.5 V ~ 4.2 V
- I · · · · · · · · · · · · · · · · · ·	Max Propagation Delay @ V, Max CL	21ns @ 6V, 50pF
Mounting Type Surface Mount	Operating Temperature	-40°C ~ 125°C
	Mounting Type	Surface Mount
Supplier Device Package 14-SO	Supplier Device Package	14-SO
Package / Case 14-SOIC (0.154", 3.90mm Width)	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

74HC14D/AUJ Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

74HC14D/AUJ Payment Methods





















74HC14D/AUJ Shipping Methods













If you have any question about 74HC14D/AUJ, please do not hesitate to contact us!

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