

74HC132D,653 Information



For Reference Only

Part Number 74HC132D,653

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

Description IC GATE NAND 4CH 2-INP 14-SO **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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74HC132D,653 Specifications

Manufacturer Part Number 74HC132D,653 Manufacturer Nexperia USA Inc. Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC (0.154", 3.90mm Width) Series 74HC Logic Type NAND Gate Number of Circuits 4 Number of Inputs 2 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 Suralize Device Package		
CategoryIntegrated Circuits (ICs)Package $14\text{-SOIC }(0.154^{"}, 3.90\text{mm Width})$ Series 74HC Logic TypeNAND GateNumber of Circuits 4 Number of Inputs 2 FeaturesSchmitt 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 $21\text{ns} \otimes 6\text{V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Manufacturer Part Number	74HC132D,653
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-SOIC } (0.154\text{"}, 3.90 \text{mm Width}) \\ \text{Series} & 74\text{HC} \\ \text{Logic Type} & \text{NAND Gate} \\ \text{Number of Circuits} & 4 \\ \text{Number of Inputs} & 2 \\ \text{Features} & \text{Schmitt Trigger} \\ \text{Voltage - Supply} & 2 \text{ V} \sim 6 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 2 \mu \text{A} \\ \text{Current - Output High, Low} & 5.2 \text{mA} \\ \text{Logic Level - Low} & 0.3 \text{ V} \sim 1.2 \text{ V} \\ \text{Logic Level - High} & 1.5 \text{ V} \sim 4.2 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 21 \text{ns @ 6V, 50pF}} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \end{array}$	Manufacturer	Nexperia USA Inc.
Package 14-SOIC (0.154", 3.90mm Width)Series 74HC Logic TypeNAND GateNumber of Circuits 4 Number of Inputs 2 FeaturesSchmitt TriggerVoltage - Supply $2\text{ V} \sim 6\text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ 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 $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Category	Integrated Circuits (ICs)
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Number of Circuits4Number of Inputs2FeaturesSchmitt 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 21ns @ 6V, 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Series	74HC
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$\begin{array}{lll} Features & Schmitt Trigger \\ Voltage - Supply & 2 \ V \sim 6 \ V \\ Current - Quiescent (Max) & 2 \mu A \\ Current - Output High, Low & 5.2 mA, 5.2 mA \\ Logic Level - Low & 0.3 \ V \sim 1.2 \ V \\ Logic Level - High & 1.5 \ V \sim 4.2 \ V \\ Max \ Propagation Delay @ V, Max \ CL & 21 ns @ 6V, 50 pF \\ Operating Temperature & -40 ^{\circ}C \sim 125 ^{\circ}C \\ Mounting \ Type & Surface \ Mount \\ \end{array}$	Number of Circuits	4
Voltage - Supply $2\ V \sim 6\ V$ $Current - Quiescent (Max) \\ 2\mu A$ $Current - Output High, Low \\ Logic Level - Low \\ O.3\ V \sim 1.2\ V$ $Logic Level - High \\ Max\ Propagation\ Delay\ @\ V,\ Max\ CL \\ Operating\ Temperature \\ Mounting\ Type \\ Surface\ Mount$	Number of Inputs	2
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 $21ns \otimes 6V$, $50pF$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount	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 @ 6V, 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	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 $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	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 $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL21ns @ 6V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount	Logic Level - Low	0.3 V ~ 1.2 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount	Logic Level - High	1.5 V ~ 4.2 V
Mounting Type Surface Mount	Max Propagation Delay @ V, Max CL	21ns @ 6V, 50pF
2.55	Operating Temperature	-40°C ~ 125°C
Symplica Davida Parkaga	Mounting Type	Surface Mount
Supplier Device Package 14-50	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?

74HC132D,653 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.

74HC132D,653 Payment Methods



















74HC132D,653 Shipping Methods













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