



## **74VHC00MX Information**



For Reference Only

Part Number 74VHC00MX

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

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

For the pricing/inventory/lead time, please contact

us

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# 74VHC00MX Specifications

Manufacturer Part Number         74VHC00MX           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74VHC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 5.5 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         8mA, 8mA           Logic Level - Low         0.5V           Logic Level - High         1.5V           Max Propagation Delay @ V, Max CL         7.5ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount		
CategoryIntegrated Circuits (ICs)Package14-SOIC (0.154", 3.90mm Width)Series74VHCLogic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - High1.5VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Manufacturer Part Number	74VHC00MX
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Number of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5VLogic Level - High1.5VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Series	74VHC
Number of Inputs2Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 VLogic Level - High1.5 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Logic Type	NAND Gate
Features-Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $8\text{mA}$ , $8\text{mA}$ Logic Level - Low $0.5\text{V}$ Logic Level - High $1.5\text{V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface Mount	Number of Circuits	4
Voltage - Supply $2\ V \sim 5.5\ V$ $Current - Quiescent (Max) 2\mu A Current - Output High, Low 8mA, 8mA Logic Level - Low \\ Logic Level - High \\ 1.5V Max Propagation Delay @ V, Max CL \\ Operating Temperature -40^{\circ}C \sim 85^{\circ}C Mounting Type Surface Mount$	Number of Inputs	2
Current - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5VLogic Level - High1.5VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Features	-
Current - Output High, Low 8mA, 8mA  Logic Level - Low 0.5V  Logic Level - High 1.5V  Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount	Voltage - Supply	2 V ~ 5.5 V
Logic Level - Low0.5VLogic Level - High1.5VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Current - Quiescent (Max)	2μΑ
Logic Level - High1.5VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface Mount	Logic Level - Low	0.5V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type Surface Mount	Logic Level - High	1.5V
Mounting Type Surface Mount	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
2.5.	Operating Temperature	-40°C ~ 85°C
G 1' D ' D 1	Mounting Type	Surface Mount
Supplier Device Package 14-SOIC	Supplier Device Package	14-SOIC
Package / Case 14-SOIC (0.154", 3.90mm Width)	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

#### **74VHC00MX 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.

## 74VHC00MX Payment Methods



















## **74VHC00MX Shipping Methods**













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