



74VHC00MX Information



For Reference Only

Part Number 74VHC00MX

Manufacturer Fairchild/ON Semiconductor

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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74VHC00MX Specifications

Manufacturer Part Number 74VHC00MX Manufacturer Fairchild/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 Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)		
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Number 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 MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Logic Type	NAND Gate
Features Voltage - Supply 2 V ~ 5.5 V Current - Quiescent (Max) Current - Output High, Low 8mA, 8mA Logic Level - Low 0.5V Logic Level - High 1.5V Max Propagation Delay @ V, Max CL Operating Temperature 7.5ns @ 5V, 50pF Operating Type Surface Mount Supplier Device Package Package / Case 14-SOIC 14-SOIC 14-SOIC (0.154", 3.90mm Width)	Number of Circuits	4
Voltage - Supply $2\ V \sim 5.5\ V$ $Current - Quiescent (Max) \qquad 2\mu A$ $Current - Output High, Low \qquad 8mA, 8mA$ $Logic Level - Low \qquad 0.5V$ $Logic Level - High \qquad 1.5V$ $Max Propagation Delay @ V, Max CL \qquad 7.5ns @ 5V, 50pF$ $Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C$ $Mounting Type \qquad Surface Mount$ $Supplier Device Package \qquad 14-SOIC$ $Package / Case \qquad 14-SOIC (0.154", 3.90mm Width)$	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 MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Features	-
Current - Output High, Low Logic Level - Low Logic Level - High 1.5V Max Propagation Delay @ V, Max CL Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 8mA, 8mA 1.5V 7.5NS @ 5V, 50pF -40°C ~ 85°C Surface Mount 14-SOIC 14-SOIC (0.154", 3.90mm Width)	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 MountSupplier Device Package14-SOICPackage / Case14-SOIC (0.154", 3.90mm Width)	Current - Quiescent (Max)	2μΑ
Logic Level - High Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Logic Level - Low	0.5V
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Logic Level - High	1.5V
Mounting Type Surface Mount Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package 14-SOIC Package / Case 14-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C
Package / Case 14-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-SOIC
	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.

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74VHC00MX Shipping Methods













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