



### **MM74HC4049MX Information**

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For Reference Only

Part Number MM74HC4049MX

Manufacturer Fairchild/ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC INVERTER HEX 1INPUT 16SOIC **Package** 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **Certified Quality**

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# **MM74HC4049MX Specifications**

Manufacturer Part NumberMM74HC4049MXManufacturerFairchild/ON SemiconductorCategoryIntegrated Circuits (ICs)Logic - Gates and InvertersPackage $16\text{-SOIC }(0.154^{"}, 3.90\text{mm Width})$ Series $74\text{HC}$ Logic TypeInverterNumber of Circuits $6$ Number of Inputs $6$ Features-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 $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15\text{ns}$ @ $6\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         16-SOIC (0.154", 3.90mm Width)           Series         74HC           Logic Type         Inverter           Number of Circuits         6           Number of Inputs         6           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         5.2mA, 5.2mA           Logic Level - Low         0.5 V ~ 1.8 V           Logic Level - High         1.5 V ~ 4.2 V           Max Propagation Delay @ V, Max CL         15ns @ 6V, 50pF           Operating Temperature         -40°C ~ 85°C	Manufacturer Part Number	MM74HC4049MX
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 16\text{-SOIC } (0.154\text{"}, 3.90\text{mm Width}) \\ \text{Series} & 74\text{HC} \\ \text{Logic Type} & \text{Inverter} \\ \text{Number of Circuits} & 6 \\ \text{Number of Inputs} & 6 \\ \text{Features} & - \\ \text{Voltage - Supply} & 2 \text{ V} \sim 6 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 2\mu\text{A} \\ \text{Current - Output High, Low} & 5.2\text{mA}, 5.2\text{mA} \\ \text{Logic Level - Low} & 0.5 \text{ V} \sim 1.8 \text{ V} \\ \text{Logic Level - High} & 1.5 \text{ V} \sim 4.2 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 15\text{ns @ 6V, 50pF} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 85^{\circ}\text{C} \\ \end{array}$	Manufacturer	Fairchild/ON Semiconductor
Package 16-SOIC (0.154", 3.90mm Width)  Series 74HC  Logic Type Inverter  Number of Circuits 6  Number of Inputs 6  Features - Voltage - Supply 2 $V \sim 6$ V  Current - Quiescent (Max) 2 $\mu$ A  Current - Output High, Low 5.2mA, 5.2mA  Logic Level - Low 0.5 $V \sim 1.8$ V  Logic Level - High 1.5 $V \sim 4.2$ V  Max Propagation Delay @ $V$ , Max CL 15ns @ $V \sim 6$ C  Operating Temperature - $V \sim 6$ C	Category	Integrated Circuits (ICs)
Series $74HC$ Logic TypeInverterNumber of Circuits6Number of Inputs6Features-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 $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15\text{ns}$ @ $6\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$		Logic - Gates and Inverters
Logic Type Inverter  Number of Circuits 6  Number of Inputs 6  Features - Voltage - Supply 2 V ~ 6 V  Current - Quiescent (Max) 2 $\mu$ A  Current - Output High, Low 5.2mA, 5.2mA  Logic Level - Low 0.5 V ~ 1.8 V  Logic Level - High 1.5 V ~ 4.2 V  Max Propagation Delay @ V, Max CL 15ns @ 6V, 50pF  Operating Temperature -40°C ~ 85°C	Package	16-SOIC (0.154", 3.90mm Width)
Number of Circuits6Number of Inputs6Features-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 $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15\text{ns} @ 6\text{V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Series	74HC
Number of Inputs 6 Features - Voltage - Supply 2 $V \sim 6 V$ Current - Quiescent (Max) 2 $\mu$ A Current - Output High, Low 5.2mA, 5.2mA Logic Level - Low 0.5 $V \sim 1.8 V$ Logic Level - High 1.5 $V \sim 4.2 V$ Max Propagation Delay @ V, Max CL 15ns @ 6V, 50pF Operating Temperature -40°C $\sim 85$ °C	Logic Type	Inverter
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Number of Circuits	6
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2mA, 5.2mA$ Logic Level - Low $0.5\ V \sim 1.8\ V$ Logic Level - High $1.5\ V \sim 4.2\ V$ Max Propagation Delay @ V, Max CL $15ns\ @ 6V, 50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Number of Inputs	6
Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2mA$ , $5.2mA$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15ns$ @ 6V, $50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$	Features	-
Current - Output High, Low $5.2 \text{mA}$ , $5.2 \text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15 \text{ns}$ @ $6 \text{ V}$ , $50 \text{pF}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 85 ^{\circ}\text{C}$	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Current - Quiescent (Max)	2μΑ
Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $15\text{ns}$ @ $6\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL 15ns @ 6V, 50pF  Operating Temperature -40°C ~ 85°C	Logic Level - Low	0.5 V ~ 1.8 V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	Logic Level - High	1.5 V ~ 4.2 V
	Max Propagation Delay @ V, Max CL	15ns @ 6V, 50pF
	Operating Temperature	-40°C ~ 85°C
Mounting Type Surface Mount	Mounting Type	Surface Mount
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Package / Case 16-SOIC (0.154", 3.90mm Width)	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

## **MM74HC4049MX 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.

## **MM74HC4049MX Payment Methods**





















## **MM74HC4049MX Shipping Methods**













If you have any question about MM74HC4049MX, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com