



### **M74HC00TTR Information**



For Reference Only

Part Number M74HC00TTR

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE NAND 4CH 2-INP 14-TSSOP **Package** 14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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## **M74HC00TTR Specifications**

Manufacturer Part Number         M74HC00TTR           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           Package         14-TSSOP (0.173", 4.40mm Width)           Series         74HC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         1μA           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         13ns @ 6V, 50pF           Operating Temperature         -55°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-TSSOP		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         74HC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         1μA           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         13ns @ 6V, 50pF           Operating Temperature         -55°C ~ 125°C           Mounting Type         Surface Mount	Manufacturer Part Number	M74HC00TTR
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-TSSOP } (0.173", 4.40 \text{mm Width}) \\ \text{Series} & 74 \text{HC} \\ \text{Logic Type} & \text{NAND Gate} \\ \text{Number of Circuits} & 4 \\ \text{Number of Inputs} & 2 \\ \text{Features} & - \\ \text{Voltage - Supply} & 2 \text{ V} \sim 6 \text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 1 \mu \text{A} \\ \text{Current - Output High, Low} & 5.2 \text{mA}, 5.2 \text{mA} \\ \text{Logic Level - Low} & 0.5 \text{ V} \sim 1.8 \text{ V} \\ \text{Logic Level - High} & 1.5 \text{ V} \sim 4.2 \text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 13 \text{ns @ 6V, 50pF} \\ \text{Operating Temperature} & -55^{\circ}\text{C} \sim 125^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \end{array}$	Manufacturer	STMicroelectronics
Package       14-TSSOP (0.173", 4.40mm Width)         Series       74HC         Logic Type       NAND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       1μA         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       13ns @ 6V, 50pF         Operating Temperature       -55°C ~ 125°C         Mounting Type       Surface Mount	Category	Integrated Circuits (ICs)
Series $74HC$ Logic TypeNAND GateNumber of Circuits $4$ Number of Inputs $2$ Features $-$ Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $1\mu\text{A}$ 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 $13\text{ns} @ 6\text{V}, 50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount		Logic - Gates and Inverters
Logic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $1 \mu A$ 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 $13 \text{ns} \otimes 6 \text{ V}, 50 \text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Package	14-TSSOP (0.173", 4.40mm Width)
Number of Circuits4Number of Inputs2Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $1 \mu A$ 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 $13 \text{ns} \otimes 6 \text{ V}$ , $50 \text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Series	74HC
Number of Inputs 2  Features -  Voltage - Supply 2 $V \sim 6 V$ Current - Quiescent (Max) 1 $\mu$ 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 13ns @ $6V$ , $50pF$ Operating Temperature - $55^{\circ}$ C $\sim 125^{\circ}$ C  Mounting Type Surface Mount	Logic Type	NAND Gate
Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $1 \mu A$ 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 $13 \text{ns} \otimes 6 \text{V}, 50 \text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Number of Circuits	4
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $1\mu A$ 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 $13ns\ @ 6V, 50pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting Type $Surface\ Mount$	Number of Inputs	2
Current - Quiescent (Max) $ 1\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 $ 13ns @ 6V, 50pF $ Operating Temperature $ -55^{\circ}C \sim 125^{\circ}C $ Mounting Type $ Surface Mount $	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 $13\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	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 $13\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Current - Quiescent (Max)	1μΑ
Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $13\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL13ns @ 6V, 50pFOperating Temperature-55°C ~ 125°CMounting TypeSurface Mount	Logic Level - Low	0.5 V ~ 1.8 V
Operating Temperature -55°C ~ 125°C  Mounting Type Surface Mount	Logic Level - High	1.5 V ~ 4.2 V
Mounting Type Surface Mount	Max Propagation Delay @ V, Max CL	13ns @ 6V, 50pF
	Operating Temperature	-55°C ~ 125°C
Supplier Device Package 14-TSSOP	Mounting Type	Surface Mount
	Supplier Device Package	14-TSSOP
Package / Case 14-TSSOP (0.173", 4.40mm Width)	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?		Report errors?

#### **M74HC00TTR 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.

# **M74HC00TTR Payment Methods**



















### **M74HC00TTR Shipping Methods**













If you have any question about M74HC00TTR, please do not hesitate to contact us!

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