



## 74VCX38MTCX Information



For Reference Only

Part Number 74VCX38MTCX

Manufacturer Fairchild/ON Semiconductor

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

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



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## 74VCX38MTCX Specifications

Manufacturer       74VCX38MTCX         Manufacturer       Fairchild/ON Semiconductor         Category       Integrated Circuits (ICs)         Logic - Gates and Inverters         Package       14-TSSOP (0.173", 4.40mm Width)         Series       74VCX         Logic Type       NAND Gate         Number of Circuits       4         Number of Inputs       2         Features       Open Drain         Voltage - Supply       1.2 V ~ 3.6 V         Current - Quiescent (Max)       20µA         Current - Output High, Low       -, 24mA         Logic Level - Low       0.7 V ~ 0.8 V         Logic Level - High       1.6 V ~ 2 V         Max Propagation Delay @ V, Max CL       2.8ns @ 3.3V, 30pF         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Supplier Device Package       14-TSSOP         Package / Case       14-TSSOP (0.173", 4.40mm Width)		
CategoryIntegrated Circuits (ICs)Package $14$ -TSSOP $(0.173", 4.40mm Width)$ Series $74VCX$ Logic TypeNAND GateNumber of Circuits $4$ Number of Inputs $2$ FeaturesOpen DrainVoltage - Supply $1.2 \text{ V} \sim 3.6 \text{ V}$ Current - Quiescent (Max) $20\mu\text{A}$ Current - Output High, Low $-, 24\text{mA}$ Logic Level - Low $0.7 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.6 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $2.8\text{ns}$ @ $3.3\text{ V}$ , $30\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Manufacturer Part Number	74VCX38MTCX
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} & 14\text{-TSSOP } (0.173", 4.40 \text{mm Width}) \\ \text{Series} & 74\text{VCX} \\ \text{Logic Type} & \text{NAND Gate} \\ \text{Number of Circuits} & 4 \\ \text{Number of Inputs} & 2 \\ \text{Features} & \text{Open Drain} \\ \text{Voltage - Supply} & 1.2\text{ V} \sim 3.6\text{ V} \\ \text{Current - Quiescent } (\text{Max}) & 20\mu\text{A} \\ \text{Current - Output High, Low} & -, 24\text{mA} \\ \text{Logic Level - Low} & 0.7\text{ V} \sim 0.8\text{ V} \\ \text{Logic Level - High} & 1.6\text{ V} \sim 2\text{ V} \\ \text{Max Propagation Delay @ V, Max CL} & 2.8\text{ns @ } 3.3\text{V}, 30\text{pF}} \\ \text{Operating Temperature} & -40^{\circ}\text{C} \sim 85^{\circ}\text{C} \\ \text{Mounting Type} & \text{Surface Mount} \\ \text{Supplier Device Package} & 14\text{-TSSOP} \\ \end{array}$	Manufacturer	Fairchild/ON Semiconductor
Package $14\text{-TSSOP}$ (0.173", 4.40mm Width)Series $74\text{VCX}$ Logic TypeNAND GateNumber of Circuits $4$ Number of Inputs $2$ FeaturesOpen DrainVoltage - Supply $1.2\text{ V} \sim 3.6\text{ V}$ Current - Quiescent (Max) $20\mu\text{A}$ Current - Output High, Low $-,24\text{mA}$ Logic Level - Low $0.7\text{ V} \sim 0.8\text{ V}$ Logic Level - High $1.6\text{ V} \sim 2\text{ V}$ Max Propagation Delay @ V, Max CL $2.8\text{ns}$ @ $3.3\text{V}$ , $30\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Category	Integrated Circuits (ICs)
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Features Open Drain  Voltage - Supply 1.2 V ~ 3.6 V  Current - Quiescent (Max) 20 $\mu$ A  Current - Output High, Low -, 24mA  Logic Level - Low 0.7 V ~ 0.8 V  Logic Level - High 1.6 V ~ 2 V  Max Propagation Delay @ V, Max CL 2.8ns @ 3.3V, 30pF  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Supplier Device Package 14-TSSOP	Number of Circuits	4
Voltage - Supply $1.2 \text{ V} \sim 3.6 \text{ V}$ Current - Quiescent (Max) $20\mu\text{A}$ Current - Output High, Low $-, 24\text{mA}$ Logic Level - Low $0.7 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.6 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $2.8\text{ns} \otimes 3.3\text{V}, 30\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type $\text{Surface Mount}$ Supplier Device Package $14\text{-TSSOP}$	Number of Inputs	2
Current - Quiescent (Max) 20 $\mu$ A  Current - Output High, Low -, 24mA  Logic Level - Low 0.7 V ~ 0.8 V  Logic Level - High 1.6 V ~ 2 V  Max Propagation Delay @ V, Max CL 2.8ns @ 3.3V, 30pF  Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Supplier Device Package 14-TSSOP	Features	Open Drain
Current - Output High, Low-, 24mALogic Level - Low $0.7 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.6 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $2.8 \text{ns}$ @ $3.3 \text{ V}$ , $30 \text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Voltage - Supply	1.2 V ~ 3.6 V
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Logic Level - High  1.6 V ~ 2 V  Max Propagation Delay @ V, Max CL  2.8ns @ 3.3V, 30pF  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP	Current - Output High, Low	-, 24mA
Max Propagation Delay @ V, Max CL2.8ns @ 3.3V, 30pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-TSSOP	Logic Level - Low	0.7 V ~ 0.8 V
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Supplier Device Package 14-TSSOP	Logic Level - High	1.6 V ~ 2 V
Mounting Type Surface Mount Supplier Device Package 14-TSSOP	Max Propagation Delay @ V, Max CL	2.8ns @ 3.3V, 30pF
Supplier Device Package 14-TSSOP	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Package / Case 14-TSSOP (0.173", 4.40mm Width)	Supplier Device Package	14-TSSOP
	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?		Report errors?

#### 74VCX38MTCX 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.

### 74VCX38MTCX Payment Methods



















### 74VCX38MTCX Shipping Methods













If you have any question about 74VCX38MTCX, please do not hesitate to contact us!

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