

# 74LCX08BQX

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## 74LCX08BQX Information

Part Number	74LCX08BQX	
Manufacturer	ON Semiconductor	
www.bolemper.com	Integrated Circuits (ICs) Logic - Gates and Inverters	
Description	IC GATE AND 4CH 2-INP 14DQFN	
Package	14-WFQFN Exposed Pad	
	For the pricing/inventory/lead time, please contact us	
For Reference Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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### 74LCX08BQX Specifications

Manufacturer Part Number 74LCX08BQX   Manufacturer ON Semiconductor   Category Integrated Circuits (ICs)   Logic - Gates and Inverters Logic - Gates and Inverters   Package 14-WFQFN Exposed Pad   Series 74LCX   Logic Type AND Gate   Number of Circuits 4   Number of Inputs 2   Features -   Voltage - Supply 2V ~ 3.6 V   Current - Quiescent (Max) 10µA   Current - Output High, Low 24mA, 24mA   Logic Level - Low 0.7 V ~ 0.8 V   Logic Level - High 1.7 V ~ 2 V   Max Propagation Delay @ V, Max CL 5.5ns @ 3.3V, 50pF   Operating Temperature 40°C ~ 85°C   Mounting Type Surface Mount   Supplier Device Package 14-DQFN (3x2.5)   Package / Case 14-WFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)CategoryLogic - Gates and InvertersPackage14-WFQFN Exposed PadSeries74 LCXLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10µALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature4.0°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-WFQFN Exposed PadPackage / Case14-WFQFN Exposed Pad	Manufacturer Part Number	74LCX08BQX
Logic - Gates and Inverters     Package   14-WFQFN Exposed Pad     Series   74LCX     Logic Type   AND Gate     Number of Circuits   4     Number of Inputs   2     Features   -     Voltage - Supply   2 V ~ 3.6 V     Current - Quiescent (Max)   10µA     Current - Output High, Low   24mA, 24mA     Logic Level - Low   0.7 V ~ 0.8 V     Jogic Level - High   1.7 V ~ 2 V     Max Propagation Delay @ V, Max CL   5.5ns @ 3.3V, 50pF     Operating Temperature   40°C ~ 85°C     Mounting Type   Surface Mount     Supplier Device Package   14-DQFN (3x2.5)     Package / Case   14-WFQFN Exposed Pad	Manufacturer	ON Semiconductor
Package14-WFQFN Exposed PadSeries74LCXLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10µACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature4-0°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Category	Integrated Circuits (ICs)
Series   74LCX     Logic Type   AND Gate     Number of Circuits   4     Number of Inputs   2     Features   -     Voltage - Supply   2 V ~ 3.6 V     Current - Quiescent (Max)   10µA     Current - Output High, Low   24mA, 24mA     Logic Level - Low   0.7 V ~ 0.8 V     Logic Level - High   1.7 V ~ 2 V     Max Propagation Delay @ V, Max CL   5.5ns @ 3.3V, 50pF     Operating Temperature   440°C ~ 85°C     Mounting Type   Surface Mount     Supplier Device Package   14-DQFN (3x2.5)     Package / Case   14-WFQFN Exposed Pad		Logic - Gates and Inverters
Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10µACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)	Package	14-WFQFN Exposed Pad
Number of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10µACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WEQFN Exposed Pad	Series	74LCX
Number of Inputs2Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10μACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Logic Type	AND Gate
Features-Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10µACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Number of Circuits	4
Voltage - Supply2 V ~ 3.6 VCurrent - Quiescent (Max)10μACurrent - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Number of Inputs	2
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Current - Output High, Low24mA, 24mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Voltage - Supply	2 V ~ 3.6 V
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Logic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Current - Output High, Low	24mA, 24mA
Max Propagation Delay @ V, Max CL5.5ns @ 3.3V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Logic Level - Low	0.7 V ~ 0.8 V
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Logic Level - High	1.7 V ~ 2 V
Mounting TypeSurface MountSupplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Max Propagation Delay @ V, Max CL	5.5ns @ 3.3V, 50pF
Supplier Device Package14-DQFN (3x2.5)Package / Case14-WFQFN Exposed Pad	Operating Temperature	$-40^{\circ}$ C ~ $85^{\circ}$ C
Package / Case 14-WFQFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	14-DQFN (3x2.5)
Report errors?	Package / Case	14-WFQFN Exposed Pad
		Report errors?

### 74LCX08BQX 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 SUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### 74LCX08BQX Payment Methods



# 74LCX08BQX Shipping Methods



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