



74AHC04BQ-Q100X Information



For Reference Only

Part Number 74AHC04BQ-Q100X

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

Description IC HEX INVERTER TTL 14DHVQFN

Package 14-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









74AHC04BQ-Q100X Specifications

Manufacturer 74AHC04BQ-Q100X Manufacturer Nexperia USA Inc. Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-VFQFN Exposed Pad Series Automotive, AEC-Q100, 74AHC Logic Type Inverter Number of Circuits 6 Number of Inputs 6 Features - Voltage - Supply 2 V ~ 5.5 V Current - Quiescent (Max) 2μA Current - Output High, Low 8mA, 8mA Logic Level - Low 0.5 V ~ 1.65 V Logic Level - High 1.5 V ~ 3.85 V Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs)Logic - Gates and InvertersPackage $14\text{-VFQFN Exposed Pad}$ SeriesAutomotive, AEC-Q100, 74AHCLogic TypeInverterNumber of Circuits6Number of Inputs6Features-Voltage - Supply $2\text{ V} \sim 5.5\text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low 8mA , 8mA Logic Level - Low $0.5\text{ V} \sim 1.65\text{ V}$ Logic Level - High $1.5\text{ V} \sim 3.85\text{ V}$ Max Propagation Delay @ V, Max CL 7.5ns @ 5V , 5opF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package 14-QFN ($3.2\text{x}2.5$)Package / Case 14-VFQFN Exposed Pad	Manufacturer Part Number	74AHC04BQ-Q100X
PackageLogic - Gates and InvertersPackage14-VFQFN Exposed PadSeriesAutomotive, AEC-Q100, 74AHCLogic TypeInverterNumber of Circuits6Number of Inputs6Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-QFN (3.2x2.5)Package / Case14-VFQFN Exposed Pad	Manufacturer	Nexperia USA Inc.
Package 14-VFQFN Exposed Pad Series Automotive, AEC-Q100, 74AHC Logic Type Inverter Number of Circuits 6 Number of Inputs 6 Features - Voltage - Supply 2 V ~ 5.5 V Current - Quiescent (Max) 2μA Current - Output High, Low 8mA, 8mA Logic Level - Low 0.5 V ~ 1.65 V Logic Level - High 1.5 V ~ 3.85 V Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q100, 74AHCLogic TypeInverterNumber of Circuits6Number of Inputs6Features-Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $8mA$, $8mA$ Logic Level - Low $0.5 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14-QFN (3.2x2.5)$ Package / Case $14-VFQFN \text{ Exposed Pad}$		Logic - Gates and Inverters
Logic TypeInverterNumber of Circuits6Number of Inputs6Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-QFN (3.2x2.5)Package / Case14-VFQFN Exposed Pad	Package	14-VFQFN Exposed Pad
Number of Circuits6Number of Inputs6Features-Voltage - Supply2 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.5 V ~ 1.65 VLogic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-QFN (3.2x2.5)Package / Case14-VFQFN Exposed Pad	Series	Automotive, AEC-Q100, 74AHC
Number of Inputs 6 Features - Voltage - Supply 2 V ~ 5.5 V Current - Quiescent (Max) 2μA Current - Output High, Low 8mA, 8mA Logic Level - Low 0.5 V ~ 1.65 V Logic Level - High 1.5 V ~ 3.85 V Max Propagation Delay @ V, Max CL 7.5ns @ 5V, 50pF Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad	Logic Type	Inverter
Features-Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low 8mA , 8mA Logic Level - Low $0.5 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL 7.5ns @ 5V , 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package 14-QFN ($3.2\text{x}2.5$)Package / Case 14-VFQFN Exposed Pad	Number of Circuits	6
Voltage - Supply $2\ V \sim 5.5\ V$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $8mA, 8mA$ Logic Level - Low $0.5\ V \sim 1.65\ V$ Logic Level - High $1.5\ V \sim 3.85\ V$ Max Propagation Delay @ V, Max CL $7.5ns\ @ 5V, 50pF$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type $Surface\ Mount$ Supplier Device Package $14-QFN\ (3.2x2.5)$ Package / Case $14-VFQFN\ Exposed\ Pad$	Number of Inputs	6
Current - Quiescent (Max) $2\mu A$ 2μ	Features	-
Current - Output High, Low $8mA$, $8mA$ Logic Level - Low $0.5 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL 7.5ns @ 5V , 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package 14-QFN ($3.2\text{x}2.5$)Package / Case 14-VFQFN Exposed Pad	Voltage - Supply	2 V ~ 5.5 V
Logic Level - Low $0.5 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5 \text{ns} \otimes 5 \text{V}$, 50pF Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14-\text{QFN} (3.2 \text{x} 2.5)$ Package / Case $14-\text{VFQFN}$ Exposed Pad	Current - Quiescent (Max)	2μΑ
Logic Level - High1.5 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-QFN (3.2x2.5)Package / Case14-VFQFN Exposed Pad	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-QFN (3.2x2.5)Package / Case14-VFQFN Exposed Pad	Logic Level - Low	0.5 V ~ 1.65 V
Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad	Logic Level - High	1.5 V ~ 3.85 V
Mounting Type Surface Mount Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package 14-QFN (3.2x2.5) Package / Case 14-VFQFN Exposed Pad	Operating Temperature	-40°C ~ 125°C
Package / Case 14-VFQFN Exposed Pad	Mounting Type	Surface Mount
	Supplier Device Package	14-QFN (3.2x2.5)
Report errors?	Package / Case	14-VFQFN Exposed Pad
		Report errors?

74AHC04BQ-Q100X 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.

74AHC04BQ-Q100X Payment Methods





















74AHC04BQ-Q100X Shipping Methods













If you have any question about 74AHC04BQ-Q100X, please do not hesitate to contact us!

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