



## 74LVC00AD-Q100J Information



For Reference Only

Part Number 74LVC00AD-Q100J

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE NAND 4CH 2-INP 14-SO **Package** 14-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



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.









## 74LVC00AD-Q100J Specifications

Manufacturer Part Number         74LVC00AD-Q100J           Manufacturer         Nexperia USA Inc.           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74LVC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         1.2 V ~ 3.6 V           Current - Quiescent (Max)         40μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.12 V ~ 0.8 V           Logic Level - High         1.08 V ~ 2 V           Max Propagation Delay @ V, Max CL         4.3ns @ 3.3V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74LVC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         1.2 V ~ 3.6 V           Current - Quiescent (Max)         40μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.12 V ~ 0.8 V           Logic Level - High         1.08 V ~ 2 V           Max Propagation Delay @ V, Max CL         4.3ns @ 3.3V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	74LVC00AD-Q100J
Package         14-SOIC (0.154", 3.90mm Width)           Series         74LVC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         1.2 V ~ 3.6 V           Current - Quiescent (Max)         40μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.12 V ~ 0.8 V           Logic Level - High         1.08 V ~ 2 V           Max Propagation Delay @ V, Max CL         4.3ns @ 3.3V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)	Manufacturer	Nexperia USA Inc.
Package       14-SOIC (0.154", 3.90mm Width)         Series       74LVC         Logic Type       NAND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       1.2 V ~ 3.6 V         Current - Quiescent (Max)       40μA         Current - Output High, Low       24mA, 24mA         Logic Level - Low       0.12 V ~ 0.8 V         Logic Level - High       1.08 V ~ 2 V         Max Propagation Delay @ V, Max CL       4.3ns @ 3.3V, 50pF         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Supplier Device Package       14-SO         Package / Case       14-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series         74LVC           Logic Type         NAND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         1.2 V ~ 3.6 V           Current - Quiescent (Max)         40μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.12 V ~ 0.8 V           Logic Level - High         1.08 V ~ 2 V           Max Propagation Delay @ V, Max CL         4.3ns @ 3.3V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)		Logic - Gates and Inverters
Logic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply1.2 V ~ 3.6 VCurrent - Quiescent (Max)40μACurrent - Output High, Low24mA, 24mALogic Level - Low0.12 V ~ 0.8 VLogic Level - High1.08 V ~ 2 VMax Propagation Delay @ V, Max CL4.3ns @ 3.3V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-SOPackage / Case14-SOIC (0.154", 3.90mm Width)	Package	14-SOIC (0.154", 3.90mm Width)
Number of Circuits4Number of Inputs2Features-Voltage - Supply $1.2 \text{ V} \sim 3.6 \text{ V}$ Current - Quiescent (Max) $40\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.12 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.08 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $4.3\text{ns}$ @ $3.3\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14-\text{SO}$ Package / Case $14-\text{SOIC}$ ( $0.154$ ", $3.90\text{mm}$ Width)	Series	74LVC
Number of Inputs 2 Features - Voltage - Supply 1.2 V ~ 3.6 V Current - Quiescent (Max) 40 $\mu$ A Current - Output High, Low 24mA, 24mA Logic Level - Low 0.12 V ~ 0.8 V Logic Level - High 1.08 V ~ 2 V Max Propagation Delay @ V, Max CL 4.3ns @ 3.3V, 50pF Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Supplier Device Package 14-SO Package / Case 14-SOIC (0.154", 3.90mm Width)	Logic Type	NAND Gate
Features-Voltage - Supply $1.2 \text{ V} \sim 3.6 \text{ V}$ Current - Quiescent (Max) $40\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.12 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.08 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $4.3\text{ns}$ @ $3.3\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOIC}$ ( $0.154^{\circ}$ , $3.90\text{mm}$ Width)	Number of Circuits	4
Voltage - Supply $1.2 \text{ V} \sim 3.6 \text{ V}$ $\text{Current - Quiescent (Max)} \qquad 40 \mu \text{A}$ $\text{Current - Output High, Low} \qquad 24 \text{mA, } 24 \text{mA}$ $\text{Logic Level - Low} \qquad 0.12 \text{ V} \sim 0.8 \text{ V}$ $\text{Logic Level - High} \qquad 1.08 \text{ V} \sim 2 \text{ V}$ $\text{Max Propagation Delay @ V, Max CL}} \qquad 4.3 \text{ns @ } 3.3 \text{ V, } 50 \text{pF}}$ $\text{Operating Temperature}} \qquad -40^{\circ}\text{C} \sim 125^{\circ}\text{C}}$ $\text{Mounting Type} \qquad \text{Surface Mount}}$ $\text{Supplier Device Package}} \qquad 14-\text{SO}$ $\text{Package / Case}} \qquad 14-\text{SOIC (0.154", } 3.90 \text{mm Width)}}$	Number of Inputs	2
Current - Quiescent (Max) $40\mu A$ $24mA$ , $24mA$	Features	-
Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.12 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.08 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $4.3\text{ns}$ @ $3.3\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SO}$ Package / Case $14\text{-SOIC}$ ( $0.154\text{"}$ , $3.90\text{mm}$ Width)	Voltage - Supply	1.2 V ~ 3.6 V
Logic Level - Low  Logic Level - High  1.08 V ~ 2 V  Max Propagation Delay @ V, Max CL  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  0.12 V ~ 0.8 V  4.3ns @ 3.3V, 50pF  5urface Mount  14-SO	Current - Quiescent (Max)	40μΑ
Logic Level - High  1.08 V ~ 2 V  Max Propagation Delay @ V, Max CL  4.3ns @ 3.3V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Current - Output High, Low	24mA, 24mA
Max Propagation Delay @ V, Max CL  4.3ns @ 3.3V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Logic Level - Low	0.12 V ~ 0.8 V
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Logic Level - High	1.08 V ~ 2 V
Mounting Type Surface Mount  Supplier Device Package 14-SO  Package / Case 14-SOIC (0.154", 3.90mm Width)	Max Propagation Delay @ V, Max CL	4.3ns @ 3.3V, 50pF
Supplier Device Package 14-SO Package / Case 14-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 125°C
Package / Case 14-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-SO
Report errors?	Package / Case	14-SOIC (0.154", 3.90mm Width)
		Report errors?

### 74LVC00AD-Q100J 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.

### 74LVC00AD-Q100J Payment Methods



















# 74LVC00AD-Q100J Shipping Methods













If you have any question about 74LVC00AD-Q100J, please do not hesitate to contact us!

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