

# **74LVC2G08DP-Q100H**

## 74LVC2G08DP-Q100H Information



For Reference Only

Part Number 74LVC2G08DP-Q100H

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

Description IC GATE AND 2CH 2-INP 8-TSSOP

Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
For the pricing/inventory/lead time, please contact

of the pricing/

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



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## **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.









# 74LVC2G08DP-Q100H Specifications

Manufacturer Part Number         74LVC2G08DP-Q100H           Manufacturer         Nexperia USA Inc.           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         74LVC           Logic Type         AND Gate           Number of Circuits         2           Number of Inputs         2           Features         -           Voltage - Supply         1.65 V ~ 5.5 V           Current - Quiescent (Max)         4μA           Current - Output High, Low         32mA, 32mA           Logic Level - Low         0.7 V ~ 0.8 V           Logic Level - High         1.7 V ~ 2 V           Max Propagation Delay @ V, Max CL         3.8ns @ 5V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         8-TSSOP           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         74LVC           Logic Type         AND Gate           Number of Circuits         2           Number of Inputs         2           Features         -           Voltage - Supply         1.65 V ~ 5.5 V           Current - Quiescent (Max)         4μA           Current - Output High, Low         32mA, 32mA           Logic Level - Low         0.7 V ~ 0.8 V           Logic Level - High         1.7 V ~ 2 V           Max Propagation Delay @ V, Max CL         3.8ns @ 5V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         8-TSSOP           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer Part Number	74LVC2G08DP-Q100H
PackageLogic - Gates and InvertersPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series74LVCLogic TypeAND GateNumber of Circuits2Number of Inputs2Features-Voltage - Supply $1.65 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $4\mu\text{A}$ Current - Output High, Low $32\text{mA}$ , $32\text{mA}$ Logic Level - Low $0.7 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.7 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $3.8\text{ns} \text{ @ 5V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer	Nexperia USA Inc.
Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         74LVC           Logic Type         AND Gate           Number of Circuits         2           Number of Inputs         2           Features         -           Voltage - Supply         1.65 V ~ 5.5 V           Current - Quiescent (Max)         4μA           Current - Output High, Low         32mA, 32mA           Logic Level - Low         0.7 V ~ 0.8 V           Logic Level - High         1.7 V ~ 2 V           Max Propagation Delay @ V, Max CL         3.8ns @ 5V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         8-TSSOP           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Category	Integrated Circuits (ICs)
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Logic TypeAND GateNumber of Circuits2Number of Inputs2Features-Voltage - Supply1.65 V ~ 5.5 VCurrent - Quiescent (Max)4μACurrent - Output High, Low32mA, 32mALogic Level - Low0.7 V ~ 0.8 VLogic Level - High1.7 V ~ 2 VMax Propagation Delay @ V, Max CL3.8ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
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Number of Inputs 2 Features - Voltage - Supply 1.65 V ~ 5.5 V  Current - Quiescent (Max) 4 $\mu$ A  Current - Output High, Low 32mA, 32mA  Logic Level - Low 0.7 V ~ 0.8 V  Logic Level - High 1.7 V ~ 2 V  Max Propagation Delay @ V, Max CL 3.8ns @ 5V, 50pF  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Supplier Device Package 8-TSSOP  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Logic Type	AND Gate
Features-Voltage - Supply $1.65 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $4\mu\text{A}$ Current - Output High, Low $32\text{mA}$ , $32\text{mA}$ Logic Level - Low $0.7 \text{ V} \sim 0.8 \text{ V}$ Logic Level - High $1.7 \text{ V} \sim 2 \text{ V}$ Max Propagation Delay @ V, Max CL $3.8\text{ns}$ @ 5V, $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $8\text{-TSSOP}$ Package / Case $8\text{-TSSOP}$ , $8\text{-MSOP}$ ( $0.118^{\circ}$ , $3.00\text{mm}$ Width)	Number of Circuits	2
Voltage - Supply $ 1.65 \text{ V} \sim 5.5 \text{ V} $ $ \text{Current - Quiescent (Max)} $ $ 4\mu A $ $ \text{Current - Output High, Low} $ $ 32\text{mA, } 32\text{mA} $ $ \text{Logic Level - Low} $ $ 0.7 \text{ V} \sim 0.8 \text{ V} $ $ \text{Logic Level - High} $ $ 1.7 \text{ V} \sim 2 \text{ V} $ $ \text{Max Propagation Delay @ V, Max CL} $ $ 3.8\text{ns @ 5V, } 50\text{pF} $ $ \text{Operating Temperature} $ $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C} $ $ \text{Mounting Type} $ $ \text{Surface Mount} $ $ \text{Supplier Device Package} $ $ 8-\text{TSSOP} $ $ \text{Package / Case} $ $ 8-\text{TSSOP, } 8-\text{MSOP (0.118", } 3.00\text{mm Width)} $	Number of Inputs	2
Current - Quiescent (Max) $4\mu A$ $32mA, 32mA$ $1.7 V \sim 0.8 V$ $1.7 V \sim 2 V$ $1.7 V \sim 1.8 V$ $1.7 V \sim 2 V$ $1.8 V \sim 1.8 V$ $1.7 V \sim 1.8 V$ $1.$	Features	-
Current - Output High, Low  32mA, 32mA  Logic Level - Low  0.7 V ~ 0.8 V  Logic Level - High  1.7 V ~ 2 V  Max Propagation Delay @ V, Max CL  3.8ns @ 5V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  8-TSSOP  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Voltage - Supply	1.65 V ~ 5.5 V
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Current - Quiescent (Max)	$4\mu$ A
Logic Level - High  1.7 V ~ 2 V  Max Propagation Delay @ V, Max CL  3.8ns @ 5V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  8-TSSOP  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Output High, Low	32mA, 32mA
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Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Max Propagation Delay @ V, Max CL	3.8ns @ 5V, 50pF
Supplier Device Package  8-TSSOP  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Operating Temperature	-40°C ~ 125°C
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-TSSOP
Report errors?	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
		Report errors?

### 74LVC2G08DP-Q100H 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.

### 74LVC2G08DP-Q100H Payment Methods



















# 74LVC2G08DP-Q100H Shipping Methods













If you have any question about 74LVC2G08DP-Q100H, please do not hesitate to contact us!

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