



74HCT08D Information



For Reference Only

Part Number 74HCT08D

Manufacturer Toshiba Semiconductor and Storage

Category Integrated Circuits (ICs)

Logic - Gates and Inverters

Description IC GATE AND 4CH 2-INP 14SOIC **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.









74HCT08D Specifications

Manufacturer Part Number 74HCT08D Manufacturer Toshiba Semiconductor and Storage Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC (0.154", 3.90mm Width) Series 74HCT Logic Type AND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1μA Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	•	
Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC (0.154", 3.90mm Width) Series 74HCT Logic Type AND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1μA Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Manufacturer Part Number	74HCT08D
Logic - Gates and Inverters Package 14-SOIC (0.154", 3.90mm Width) Series 74HCT Logic Type AND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1μA Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Manufacturer	Toshiba Semiconductor and Storage
Package 14-SOIC (0.154", 3.90mm Width) Series 74HCT Logic Type AND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1μA Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Category	Integrated Circuits (ICs)
Series 74HCT Logic Type AND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1μA Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC		Logic - Gates and Inverters
Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)1μACurrent - Output High, Low4mA, 4mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL18ns @ 5.5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOIC	Package	14-SOIC (0.154", 3.90mm Width)
Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1 μ A Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Series	74HCT
Number of Inputs 2 Features - Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1 μ A Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Logic Type	AND Gate
Features - Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $1\mu\text{A}$ Current - Output High, Low 4mA , 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL $18\text{ns} \approx 5.5\text{V}$, 50pF Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting Type 5mount Supplier Device Package 14-SOIC	Number of Circuits	4
Voltage - Supply 4.5 V ~ 5.5 V Current - Quiescent (Max) 1 μ A Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Number of Inputs	2
Current - Quiescent (Max) $1\mu A$ Current - Output High, Low $4mA, 4mA$ Logic Level - Low $0.8V$ Logic Level - High $2V$ Max Propagation Delay @ V, Max CL $18ns @ 5.5V, 50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface Mount$ Supplier Device Package $14-SOIC$	Features	-
Current - Output High, Low 4mA, 4mA Logic Level - Low 0.8V Logic Level - High 2V Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Voltage - Supply	4.5 V ~ 5.5 V
Logic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL18ns @ 5.5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOIC	Current - Quiescent (Max)	1μΑ
Logic Level - High Max Propagation Delay @ V, Max CL 18ns @ 5.5V, 50pF Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Current - Output High, Low	4mA, 4mA
Max Propagation Delay @ V, Max CL18ns @ 5.5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOIC	Logic Level - Low	0.8V
Operating Temperature -40°C ~ 85°C Mounting Type Surface Mount Supplier Device Package 14-SOIC	Logic Level - High	2V
Mounting Type Surface Mount Supplier Device Package 14-SOIC	Max Propagation Delay @ V, Max CL	18ns @ 5.5V, 50pF
Supplier Device Package 14-SOIC	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
	Supplier Device Package	14-SOIC
Package / Case 14-SOIC (0.154", 3.90mm Width)	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

74HCT08D 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.

74HCT08D Payment Methods



















74HCT08D Shipping Methods













If you have any question about 74HCT08D, please do not hesitate to contact us!

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