

### **74AC08SC Information**

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For Reference Only

Part Number 74AC08SC

Manufacturer Fairchild/ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE AND 4CH 2-INP 14-SOIC **Package** 14-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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# 74AC08SC Specifications

Manufacturer Part Number         74AC08SC           Manufacturer         Fairchild/ON Semiconductor           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74AC           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.9 V ~ 1.65 V           Logic Level - High         2.1 V ~ 3.85 V           Max Propagation Delay @ V, Max CL         7.5ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Supplier Device Package         14-SOIC           Package / Case         14-SOIC (0.154", 3.90mm Width)		
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PackageLogic - Gates and InvertersPackage $14\text{-SOIC}$ (0.154", 3.90mm Width)Series $74\text{AC}$ Logic TypeAND GateNumber of Circuits $4$ Number of Inputs $2$ Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOIC}$	Manufacturer	Fairchild/ON Semiconductor
Package       14-SOIC (0.154", 3.90mm Width)         Series       74AC         Logic Type       AND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       2μA         Current - Output High, Low       24mA, 24mA         Logic Level - Low       0.9 V ~ 1.65 V         Logic Level - High       2.1 V ~ 3.85 V         Max Propagation Delay @ V, Max CL       7.5ns @ 5V, 50pF         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Supplier Device Package       14-SOIC	Category	Integrated Circuits (ICs)
Series $74AC$ Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOIC}$		Logic - Gates and Inverters
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Number of Inputs2Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2μACurrent - Output High, Low24mA, 24mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.1 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOIC	Logic Type	AND Gate
Features $ \begin{array}{c} - \\ \text{Voltage - Supply} \\ \text{Current - Quiescent (Max)} \\ \text{Current - Output High, Low} \\ \text{Logic Level - Low} \\ \text{Logic Level - High} \\ \text{Max Propagation Delay @ V, Max CL} \\ \text{Operating Temperature} \\ \text{Mounting Type} \\ \text{Surface Mount} \\ \text{Supplier Device Package} \\ \end{array} $	Number of Circuits	4
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $24mA, 24mA$ Logic Level - Low $0.9\ V \sim 1.65\ V$ Logic Level - High $2.1\ V \sim 3.85\ V$ Max Propagation Delay @ V, Max CL $7.5ns \ @ 5V, 50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type $Surface \ Mount$ Supplier Device Package $14-SOIC$	Number of Inputs	2
Current - Quiescent (Max) $2\mu A$ $2\mu A$ $24mA$ , $24mA$ $2$	Features	-
Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOIC}$	Voltage - Supply	2 V ~ 6 V
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Logic Level - High  2.1 V ~ 3.85 V  Max Propagation Delay @ V, Max CL  7.5ns @ 5V, 50pF  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOIC	Current - Output High, Low	24mA, 24mA
Max Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOIC	Logic Level - Low	0.9 V ~ 1.65 V
Operating Temperature -40°C ~ 85°C  Mounting Type Surface Mount  Supplier Device Package 14-SOIC	Logic Level - High	2.1 V ~ 3.85 V
Mounting Type Surface Mount Supplier Device Package 14-SOIC	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package 14-SOIC	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Package / Case 14-SOIC (0.154", 3.90mm Width)	Supplier Device Package	14-SOIC
	Package / Case	14-SOIC (0.154", 3.90mm Width)
Report errors?		Report errors?

#### **74AC08SC 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.

# 74AC08SC Payment Methods









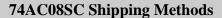
























If you have any question about 74AC08SC, please do not hesitate to contact us!

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