



### **SN74AHC08PWRG4 Information**



For Reference Only

Part Number SN74AHC08PWRG4

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE AND 4CH 2-INP 14-TSSOP **Package** 14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

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## **SN74AHC08PWRG4 Specifications**

Manufacturer Part Number         SN74AHC08PWRG4           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters         Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         74AHC           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           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         7.9ns @ 5V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14 TSSOP           Package / Case         14 TSSOP (0.173" 4.40mm Width)		
CategoryIntegrated Circuits (ICs)Package $14\text{-TSSOP}$ (0.173", $4.40\text{mm}$ Width)Series $74\text{AHC}$ Logic TypeAND GateNumber of Circuits $4$ Number of Inputs $2$ Features $-$ Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $8\text{mA}$ , $8\text{mA}$ 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 $7.9\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Manufacturer Part Number	SN74AHC08PWRG4
PackageLogic - Gates and InvertersPackage14-TSSOP (0.173", 4.40mm Width)Series74AHCLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-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 CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOP	Manufacturer	Texas Instruments
Package $14\text{-TSSOP }(0.173", 4.40\text{mm Width})$ Series $74\text{AHC}$ Logic TypeAND GateNumber of Circuits $4$ Number of Inputs $2$ Features-Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $8\text{mA}$ , $8\text{mA}$ 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 $7.9\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Category	Integrated Circuits (ICs)
Series $74AHC$ Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-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 $7.9ns @ 5V, 50pF$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$		Logic - Gates and Inverters
Logic Type AND Gate  Number of Circuits 4  Number of Inputs 2  Features - Voltage - Supply 2 $V \sim 5.5 V$ Current - Quiescent (Max) 2 $V \sim 5.5 V$ Current - Output High, Low 8 $V \sim 1.65 V$ Logic Level - Low 0.5 $V \sim 1.65 V$ Logic Level - High 1.5 $V \sim 3.85 V$ Max Propagation Delay @ $V \sim 5.5 V$ Operating Temperature -40°C $\sim 125$ °C  Mounting Type Surface Mount  Supplier Device Package 14-TSSOP	Package	14-TSSOP (0.173", 4.40mm Width)
Number of Circuits4Number of Inputs2Features-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 CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOP	Series	74AHC
Number of Inputs 2  Features -  Voltage - Supply 2 $V \sim 5.5 V$ Current - Quiescent (Max) 2 $\mu$ A  Current - Output High, Low 8 $\mu$ A, 8 $\mu$ A  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 7.9 $\mu$ S $v \sim 1.25 °C$ Mounting Type Surface Mount  Supplier Device Package 14-TSSOP	Logic Type	AND Gate
Features - Voltage - Supply $2 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $8\text{mA}$ , $8\text{mA}$ 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 $7.9\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount  Supplier Device Package $14\text{-TSSOP}$	Number of Circuits	4
Voltage - Supply $2\ V \sim 5.5\ V$ $Current - Quiescent (Max) 2\mu A Current - Output High, Low 8mA, 8mA Logic Level - Low \\ Logic Level - High \\ Max \ Propagation Delay @ V, Max \ CL \\ Operating Temperature -40^{\circ}C \sim 125^{\circ}C Mounting \ Type \\ Supplier Device \ Package 14-TSSOP$	Number of Inputs	2
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 $7.9ns \otimes 5V$ , $50pF$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount Supplier Device Package $14\text{-TSSOP}$	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 $7.9\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	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 $7.9 \text{ns} \otimes 5 \text{V}, 50 \text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Current - Quiescent (Max)	2μΑ
Logic Level - High $1.5 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.9 \text{ns} \otimes 5 \text{V}, 50 \text{pF}$ Operating Temperature $-40 ^{\circ}\text{C} \sim 125 ^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$	Current - Output High, Low	8mA, 8mA
Max Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOP	Logic Level - Low	0.5 V ~ 1.65 V
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOP	Logic Level - High	1.5 V ~ 3.85 V
Mounting Type Surface Mount Supplier Device Package 14-TSSOP	Max Propagation Delay @ V, Max CL	7.9ns @ 5V, 50pF
Supplier Device Package 14-TSSOP	Operating Temperature	-40°C ~ 125°C
	Mounting Type	Surface Mount
Package / Case 14 TSSOP (0.173" 4.40mm Width)	Supplier Device Package	14-TSSOP
14-155Or (0.175, 4.40IIIII WIQIII)	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors?		Report errors?

#### **SN74AHC08PWRG4** 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.

### **SN74AHC08PWRG4 Payment Methods**



















### **SN74AHC08PWRG4 Shipping Methods**













If you have any question about SN74AHC08PWRG4, please do not hesitate to contact us!

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