

# SN74AHCT08QPWRG4Q1

### SN74AHCT08QPWRG4Q1 Information



For Reference Only

Part Number SN74AHCT08QPWRG4Q1

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

us

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## **Certified Quality**

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### SN74AHCT08QPWRG4Q1 Specifications

| Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         Automotive, AEC-Q100, 74AHCT           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         4.5 V ~ 5.5 V           Current - Quiescent (Max)         2µA           Current - Output High, Low         8mA, 8mA           Logic Level - Low         0.8V           Logic Level - High         2V           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) |                                   |                                 |
|---|-----------------------------------|---------------------------------|
| Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         Automotive, AEC-Q100, 74AHCT           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         4.5 V ~ 5.5 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         8mA, 8mA           Logic Level - Low         0.8V           Logic Level - High         2V           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)  | Manufacturer Part Number          | SN74AHCT08QPWRG4Q1              |
| Logic - Gates and Inverters         Package       14-TSSOP (0.173", 4.40mm Width)         Series       Automotive, AEC-Q100, 74AHCT         Logic Type       AND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       4.5 V ~ 5.5 V         Current - Quiescent (Max)       2μA         Current - Output High, Low       8mA, 8mA         Logic Level - Low       0.8V         Logic Level - High       2V         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)   | Manufacturer                      | Texas Instruments               |
| Package14-TSSOP (0.173", 4.40mm Width)SeriesAutomotive, AEC-Q100, 74AHCTLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)2µACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  | Category                          | Integrated Circuits (ICs)       |
| SeriesAutomotive, AEC-Q100, 74AHCTLogic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  |                                   | Logic - Gates and Inverters     |
| Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  | Package                           | 14-TSSOP (0.173", 4.40mm Width) |
| Number of Circuits4Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  | Series                            | Automotive, AEC-Q100, 74AHCT    |
| Number of Inputs2Features-Voltage - Supply4.5 V ~ 5.5 VCurrent - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)   | Logic Type                        | AND Gate                        |
| Features  Voltage - Supply  4.5 V ~ 5.5 V  Current - Quiescent (Max)  Current - Output High, Low  8mA, 8mA  Logic Level - Low  0.8V  Logic Level - High  2V  Max Propagation Delay @ V, Max CL  Operating Temperature  7.9ns @ 5V, 50pF  Operating Type  Surface Mount  Supplier Device Package  Package / Case  14-TSSOP (0.173", 4.40mm Width)  | Number of Circuits                | 4                               |
| Voltage - Supply $4.5 \text{ V} \sim 5.5 \text{ V}$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $8\text{mA}, 8\text{mA}$ Logic Level - Low $0.8\text{V}$ Logic Level - High $2\text{V}$ Max Propagation Delay @ V, Max CL $7.9\text{ns @ 5V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type $\text{Surface Mount}$ Supplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP (0.173", 4.40mm Width)}$  | Number of Inputs                  | 2                               |
| Current - Quiescent (Max)2μACurrent - Output High, Low8mA, 8mALogic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  | Features                          | -                               |
| Current - Output High, Low  8mA, 8mA  Logic Level - Low  0.8V  Logic Level - High  2V  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)  | Voltage - Supply                  | 4.5 V ~ 5.5 V                   |
| Logic Level - Low0.8VLogic Level - High2VMax Propagation Delay @ V, Max CL7.9ns @ 5V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)  | Current - Quiescent (Max)         | 2μΑ                             |
| Logic Level - High  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)   | Current - Output High, Low        | 8mA, 8mA                        |
| 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)  | Logic Level - Low                 | 0.8V                            |
| Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)  | Logic Level - High                | 2V                              |
| Mounting Type Surface Mount Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)   | Max Propagation Delay @ V, Max CL | 7.9ns @ 5V, 50pF                |
| Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)   | Operating Temperature             | -40°C ~ 125°C                   |
| Package / Case 14-TSSOP (0.173", 4.40mm Width)  | Mounting Type                     | Surface Mount                   |
|   | Supplier Device Package           | 14-TSSOP                        |
| Report errors?  | Package / Case                    | 14-TSSOP (0.173", 4.40mm Width) |
| Report errors:  |                                   | Report errors?                  |

### SN74AHCT08QPWRG4Q1 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.

#### SN74AHCT08QPWRG4Q1 Payment Methods



















#### SN74AHCT08QPWRG4Q1 Shipping Methods













If you have any question about SN74AHCT08QPWRG4Q1, please do not hesitate to contact us!

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