



Image may be representation.  
See specifications for product details.



## MC74VHC1G00DFT2

Manufacturer Part Number	<b>MC74VHC1G00DFT2</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MC74VHC1G00DFT2
ECAD Model	Request Free CAD Models
Parts Description	IC GATE NAND 1CH 2-INP SC-70
Package	5-TSSOP, SC-70-5, SOT-353
Data sheet	<b>MC74VHC1G00, MC74VHC1GT00.pdf</b> <b>MC74VHC1G00, MC74VHC1GT00.pdf</b>

**Get a Quote**

MC74VHC1G00DFT2 - onsemi.New Original in Stock. Download Linear Technology MC74VHC1G00DFT2 datasheet/specifications on AllelcoElec.com.  
Request a quote for MC74VHC1G00DFT2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MC74VHC1G00DFT2 Tech Specifications  
MC74VHC1G00DFT2 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Mounting Type	Surface Mount
Voltage - Supply	2V ~ 5.5V	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package	SC-88A (SC-70-5/SOT-353)	Logic Type	NAND Gate
Series	74VHC	Input Logic Level - Low	0.5V ~ 1.65V
Package / Case	5-TSSOP, SC-70-5, SOT-353	Input Logic Level - High	1.5V ~ 3.85V
Package	Bulk	Features	-
Operating Temperature	-55°C ~ 125°C	Current - Quiescent (Max)	1 µA
Number of Inputs	2	Current - Output High, Low	8mA, 8mA
Number of Circuits	1	Base Product Number	74VHC1G00

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MC74VHC1G00DFT2

Product Attribute				
Part Number	MC74VHC1G00DFT2	MC74VHC14DTR2G	MC74VHC1G00DFT1G	MC74VHC1G01DFT2G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Number of Inputs	2	1	2	2
Package	Bulk	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Features	-	Schmitt Trigger	-	Open Drain
Number of Circuits	1	6	1	1
Supplier Device Package	SC-88A (SC-70-5/SOT-353)	14-TSSOP	SC-88A (SC-70-5/SOT-353)	SC-88A (SC-70-5/SOT-353)
Base Product Number	74VHC1G00	74VHC14	74VHC1G00	74VHC1G01
Logic Type	NAND Gate	Inverter	NAND Gate	NAND Gate
Operating Temperature	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Current - Output High, Low	8mA, 8mA	8mA, 8mA	8mA, 8mA	-, 8mA
Input Logic Level - High	1.5V ~ 3.85V	2.2V ~ 3.85V	1.5V ~ 3.85V	1.5V ~ 3.85V
Input Logic Level - Low	0.5V ~ 1.65V	0.9V ~ 1.65V	0.5V ~ 1.65V	0.5V ~ 1.65V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF	10.6ns @ 5V, 50pF	7.5ns @ 5V, 50pF	7.5ns @ 5V, 50pF
Current - Quiescent (Max)	1 µA	2 µA	1 µA	1 µA
Package / Case	5-TSSOP, SC-70-5, SOT-353	14-TSSOP (0.173", 4.40mm Width)	5-TSSOP, SC-70-5, SOT-353	5-TSSOP, SC-70-5, SOT-353
Series	74VHC	74VHC	74VHC	74VHC
Voltage - Supply	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V	2V ~ 5.5V

### MC74VHC1G00DFT2 Datasheet PDF

Download MC74VHC1G00DFT2 pdf datasheets and onsemi documentation for MC74VHC1G00DFT2 - onsemi.

#### Datasheets

[MC74VHC1G00, MC74VHC1GT00.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

#### PCN Design/Specification

[SC88/A Copper Wire 17/Jun/2011.pdf](#)

#### HTML Datasheet



## Customers Also Interested in

### Recommended Products



**MC74VHC14DTR2G**  
onsemi  
IC INVERTER 6CH 1-INP 14TSSOP



**MC74VHC1G00DFT1G**  
onsemi  
IC GATE NAND 1CH 2-INP SC88A



**MC74VHC157DTR2G**  
onsemi  
IC MULTIPLEXER 4 X 2:1 16TSSOP



**MC74VHC1G00DF1G**  
AMI Semiconductor/onsemi



**MC74VHC1G01DFT2G**  
onsemi  
IC GATE NAND OD 1CH 2-INP SC88A



**MC74VHC157DR2G**  
onsemi  
IC MULTIPLEXER 4 X 2:1 16SOIC



**MC74VHC1G00DFT2G**  
onsemi  
IC GATE NAND 1CH 2-INP SC88A



**MC74VHC1G02DFT1**  
onsemi  
IC GATE NOR 1CH 2-INP SC88A



**MC74VHC1G01**  
AMI Semiconductor/onsemi



**MC74VHC14DTR2**  
onsemi  
IC INVERTER 6CH 1-INP 14TSSOP



**MC74VHC1G01DFT1G**  
onsemi  
IC GATE NAND OD 1CH 2-INP 5TSOP



**MC74VHC1G00**  
AMI Semiconductor/onsemi



**MC74VHC1G00DFT1G**  
onsemi  
IC GATE NAND 1CH 2-INP 5TSOP



**MC74VHC157DTR2**  
onsemi  
IC MULTIPLEXER 4 X 2:1 16TSSOP



**MC74VHC1G00DFT1**  
onsemi  
IC GATE NAND 1CH 2-INP SC88A



**MC74VHC1G00DFT1**  
onsemi  
IC GATE NAND 1CH 2-INP 5TSOP



**MC74VHC1G01DFT1G**  
onsemi  
IC GATE NAND OD 1CH 2-INP SC88A



**MC74VHC157DR2**  
onsemi  
IC MULTIPLEXER 4 X 2:1 16SOIC

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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Email

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## Certifications & Memberships



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