

NAND Gate, 74VHC00, 2 Input, 8 mA, 2 V to 5.5 V, SOIC-14

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SO-14
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for 74VHC00M or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

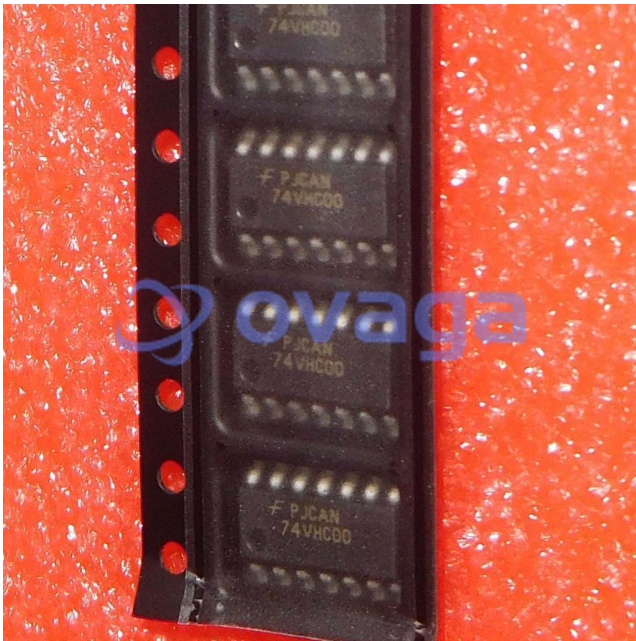
[RFQ](#)

## General Description

The VHC00 is an advanced high-speed CMOS 2-Input NAND Gate fabricated with silicon gate CMOS technology. It achieves the high-speed operation similar to equivalent Bipolar Schottky TTL while maintaining the CMOS low power dissipation. The internal circuit is composed of 3 stages, including buffer output, which provide high noise immunity and stable output. An input protection circuit insures that 0V to 7V can be applied to the input pins without regard to the supply voltage. This device can be used to interface 5V to 3V systems and two supply systems such as battery backup. This circuit prevents device destruction due to mismatched supply and input voltages.

## Application

ONSEMI



## Related Products



### [MM74HC14MX](#)

ON Semiconductor, LLC  
SOIC-14



### [74ACT00SC](#)

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### [74VHC74MTC](#)

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### [74LVTH244MTC](#)

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### [74LCX541MTCX](#)

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### [MM74HC595MTCX](#)

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### [MC74VHCT50ADTR2G](#)

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### [74LCX125BQX](#)

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DQFN-14