

Inverting Buffer / CMOS Logic Level Shifter CMOS Logic Level Shifter, Inverters 3-5.5V
Single TTL

Manufacturers	ON Semiconductor, LLC
Package/Case	SC-70-5
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for M74VHC1GT04DFT1G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MC74VHC1GT04 is a single inverting buffer fabricated in silicon gate CMOS technology. It achieves high speed operation while maintaining CMOS low power dissipation. The internal circuit is composed of three stages, including a buffer output which provides high noise immunity and stable output. The device input has a low input threshold and the output has a full 5V CMOS level output swing. The input protection circuitry on this device is overvoltage tolerant, allowing the device to be used as a logic-level translator. The MC74VHC1GT04 input structure provides protection when voltages up to 5.5V are applied, regardless of the supply voltage, allowing the part to be used to interface 1.8/3.3V/5V circuits. The output structures also provide protection when etc.

Features

High Speed: = 5V

Low Power Dissipation: = 25°C

TTL-Compatible Inputs: = 2.0V

CMOS-Compatible Outputs: $VOH > 0.8V_{CC}$; $VOL < 0.1V_{CC}$ @Load

Power Down Protection Provided on Inputs and Outputs

Balanced Propagation Delays

Pin and Function Compatible with Other Standard Logic Families

Chip Complexity:>

Pb-Free Packages are Available

Application

ONSEMI

Related Products



[MM74HC14MX](#)

ON Semiconductor, LLC
SOIC-14



[MM74HC595MTCX](#)

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