

2-input AND gate - Description: PicoGate 2-Input AND Gate; TTL Enabled ; Logic switching levels: TTL ; Number of pins: 5 ; Output drive capability: +/- 8 mA ; Power dissipation considerations: Low Power ; Propagation delay: 3.6 ns; Voltage: 4.5-5.5 V

Manufacturers	NXP Semiconductor
Package/Case	SOT-23-5
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 74AHCT1G08GV or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

74AHCT1G08GV is a type of integrated circuit (IC) manufactured by Texas Instruments. It is a single 2-input positive-AND gate, meaning it takes two binary inputs and produces a binary output that is true (1) only when both inputs are true (1).

Features

High-speed operation: it can operate at speeds up to 5.5 MHz.

Low power consumption: it operates at a low power supply voltage of 2V to 5.5V and has low quiescent power consumption.

High noise immunity: it has a high noise immunity of 30% of the supply voltage.

Schmitt-trigger inputs: it has Schmitt-trigger inputs for improved noise immunity and hysteresis.

Application

Digital logic circuits: it can be used as a building block for various digital logic circuits such as AND gates, OR gates, XOR gates, etc.

Signal conditioning: it can be used to clean up noisy signals or to convert signals from one logic level to another.

Power management: it can be used as a power switch or in power management circuits.



Related Products



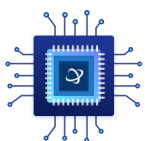
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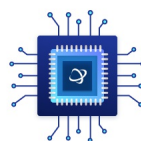
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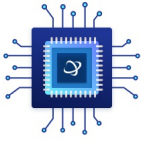
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