

## Product Overview

### MC74ACT132: Quad 2-Input NAND Gate with Schmitt Trigger Input

For complete documentation, see the data sheet.

The MC74AC/74ACT132 contains four 2-input NAND gates which are capable of transforming slowly changing input signals into sharply defined, jitter-free output signals. In addition, they have greater noise margin than conventional NAND gates.

Each circuit contains a 2-input Schmitt trigger. The Schmitt trigger uses positive feedback to effectively speed-up slow input transitions, and provide different input threshold voltages for positive and negative-going transitions. This hysteresis between the positive-going and negative-going input threshold is determined by resistor ratios and is essentially insensitive to temperature and supply voltage variations.

### Features

- Schmitt Trigger Inputs
- Outputs Source/Sink 24 mA
- ACT132 Has TTL Compatible Inputs PIN CONFIGURATION J Suffix Case 632-08 (Ceramic) N Suffix Case 646-06 (Plastic) D Suffix - Case 751A-03 (SOIC)
- Pb-Free Packages are Available

### Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
MC74ACT132DG	Pb-free	Active	NAND	4	4.5	5.5	null	24	SOIC-14
	Halide free								
MC74ACT132DR2G	Pb-free	Active	NAND	4	4.5	5.5	null	24	SOIC-14
	Halide free								

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Created on: 4/22/2019