

Product Overview

MC74HCU04A: Unbuffered Hex Inverter

For complete documentation, see the data sheet.

High-Performance Silicon-Gate CMOS The MC74HCU04A is identical in pinout to the LS04 and the MC14069UB. The device inputs are compatible with standard CMOS outputs; with pullup resistors, they are compatible with LSTTL outputs. This device consists of six single-stage inverters. These inverters are well suited for use as oscillators, pulse shapers, and in many other applications requiring a high-input impedance amplifier. For digital applications, the HC04A is recommended.

Features

- Output Drive Capability: 10 LSTTL Loads
- Outputs Directly Interface to CMOS, NMOS, and TTL
- Operating Voltage Range: 2 to 6 V; 2.5 to 6 V in Oscillator Configurations
- Low Input Current: 1 mA
- High Noise Immunity Characteristic of CMOS Devices
- In Compliance with the Requirements Defined by JEDEC Standard No. 7A
- Chip Complexity: 12 FETs or 3 Equivalent Gates
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
MC74HCU04ADG	Pb-free	Active	Inverter	6	2	6	null	4	SOIC-14
	Halide free								
MC74HCU04ADR2G	Pb-free	Active	Inverter	6	2	6	null	4	SOIC-14
	Halide free								
MC74HCU04ADTR2G	Pb-free	Active	Inverter	6	2	6	null	4	TSSOP-14
	Halide free								
NLV74HCU04ADG	AEC Qualified	Active	Inverter	6	2	6	14	4	SOIC-14
	PPAP Capable								
	Pb-free								
	Halide free								
NLV74HCU04ADR2G	AEC Qualified	Active	Inverter	6	2	6	14	4	SOIC-14
	PPAP Capable								
	Pb-free								
	Halide free								
NLV74HCU04ADTR2G	AEC Qualified	Active	Inverter	6	2	6	14	4	TSSOP-14
	PPAP Capable								
	Pb-free								
	Halide free								

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