Product Overview

MM74HCT14: Hex Inverting Schmitt Trigger

For complete documentation, see the data sheet.

The MM74HCT14 utilizes advanced silicon-gate CMOS technology to achieve the low power dissipation and high noise immunity of standard CMOS, as well as the capability to drive 10 LS-TTL loads. The 74HCT logic family is functionally and pinout-compatible with the standard 74LS logic family. Inputs are protected from damage due to static discharge by internal diode clamps to VCC and ground.

Features

- Typical Propagation Delay: 13ns
- Wide Power Supply Range: 4.5V-5.5V
- Low Quiescent Current: 10µA Maximum
- Low Input Current: 1µA Maximum
- Fanout of 10 LS-TTL Loads
- Typical Hysteresis Voltage: 0.6V at VCC = 4.5V
- TTL, LS Pin-out and Input Threshold Compatible

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Type	Channels	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
MM74HCT14M	0.18	Pb-free Halide free non AEC-Q and PPAP	Active	Inverter	6	4.5	5.5	null	null	SOIC-14
MM74HCT14MTC	0.134	Pb-free Halide free non AEC-Q and PPAP	Active	Inverter	6	4.5	5.5	null	null	TSSOP-14 WB
MM74HCT14MTCX	0.1276	Pb-free Halide free non AEC-Q and PPAP	Active	Inverter	6	4.5	5.5	null	null	TSSOP-14 WB
MM74HCT14MX	0.2211	Pb-free Halide free non AEC-Q and PPAP	Active	Inverter	6	4.5	5.5	null	null	SOIC-14

For more information please contact your local sales support at www.onsemi.com.

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