# MOTOROLA SEMICONDUCTOR TECHNICAL DATA

# Product Preview

# Low-Voltage CMOS Hex Inverter, Open Drain With 5V-Tolerant Inputs

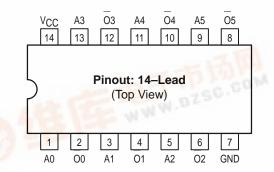
The MC74LCX05 is a high performance open drain hex inverter operating from a 2.7 to 3.6V supply. High impedance TTL compatible inputs significantly reduce current loading to input drivers. A V<sub>I</sub> specification of 5.5V allows MC74LCX05 inputs to be safely driven from 5V devices.

The MC74LCX05 requires the addition of an external resistor to perform a wire–NOR function. The open drain output with a 5V pull–up resistor can be utilized to drive 5V CMOS inputs. Current drive capability is 24mA at the outputs.

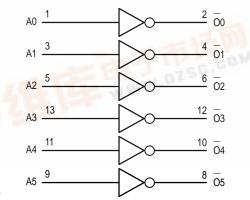
- Designed for 2.7 to 3.6V V<sub>CC</sub> Operation
- 5V Tolerant Inputs Interface Capability With 5V TTL Logic
- LVTTL Compatible
- LVCMOS Compatible

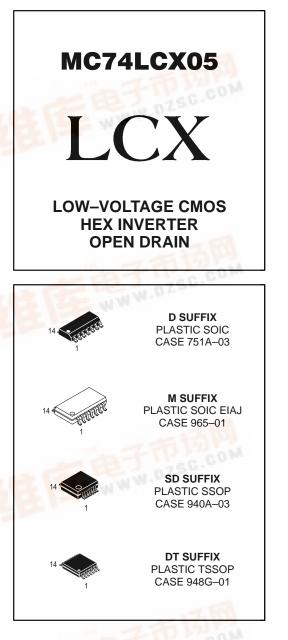
f.dzsc.com

- 24mA Output Sink Capability
- Near Zero Static Supply Current (10µA) Substantially Reduces System Power Requirements
- Latchup Performance Exceeds 500mA
- ESD Performance: Human Body Model >2000V; Machine Model >200V









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### PIN NAMES

Pins	Function
<u>A</u> n	Data Inputs
On	Outputs

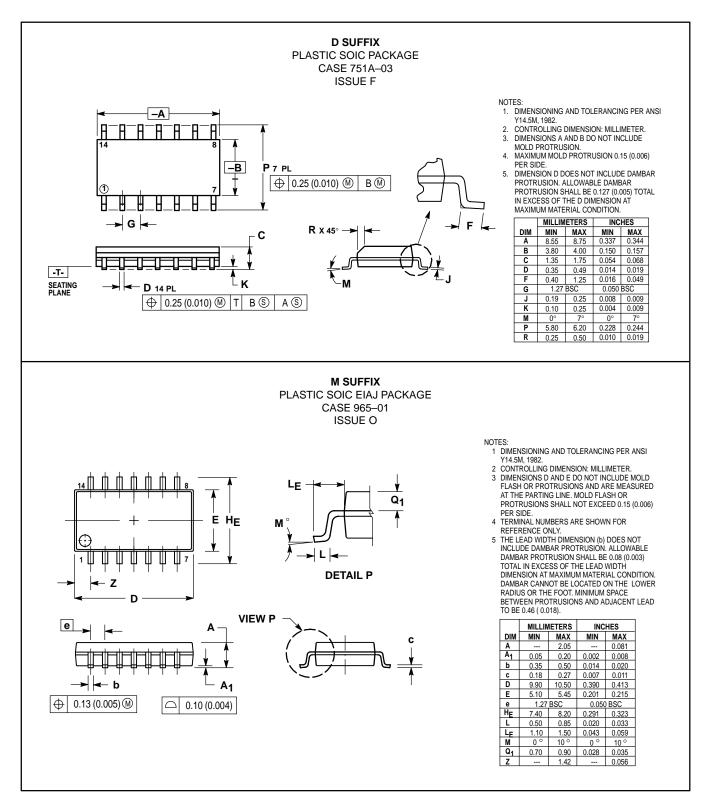
#### FUNCTION TABLE

An	Ön
L	H
H	L

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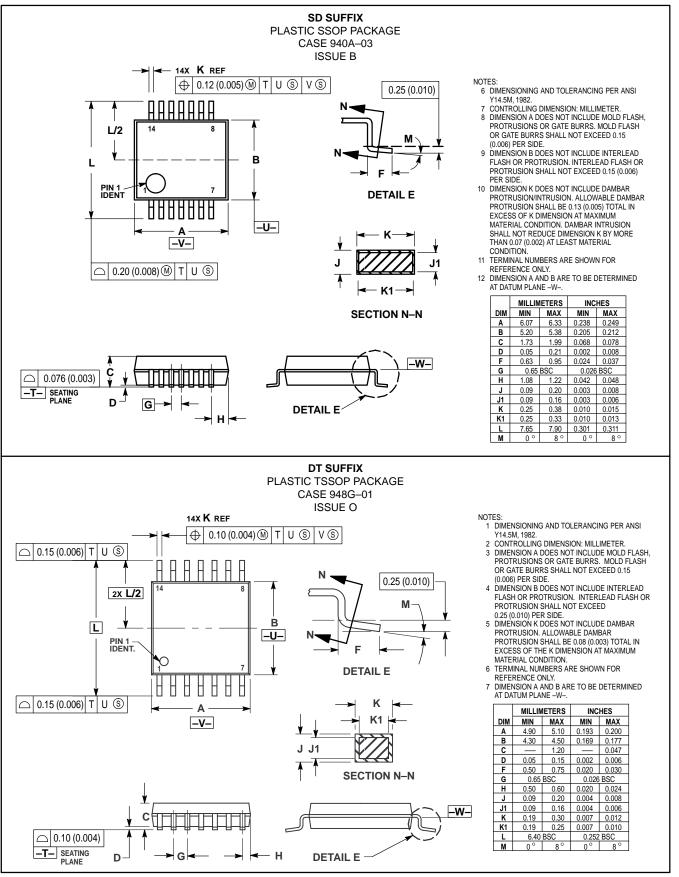


### **OUTLINE DIMENSIONS**



## MC74LCX05

#### OUTLINE DIMENSIONS



### MC74LCX05

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