


## Identity Comparator 8-Bit Inverting 20-Pin PDIP Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	DIP
<b>Product Type:</b>	Logic ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The 'HC688 and 'HCT688 are 8-bit magnitude comparators designed for use in computer and logic applications that require the comparison of two 8-bit binary words. When the compared words are equal the output (Y) is low and can be used as the enabling input for the next device in a cascaded application.

## Key Features

Cascadable

Fanout (Over Temperature Range)

Standard Outputs . . . . . 10 LSTTL Loads

Bus Driver Outputs . . . . . 15 LSTTL Loads

Wide Operating Temperature Range . . . -55°C to 125°C

Balanced Propagation Delay and Transition Times

Significant Power Reduction Compared to LSTTL Logic ICs

HC Types

2V to 6V Operation

High Noise Immunity: NIL = 30%, NIH = 30% of VCC at VCC = 5V

HCT Types

4.5V to 5.5V Operation

Direct LSTTL Input Logic Compatibility, VIL = 0.8V (Max), VIH = 2V (Min)

CMOS Input Compatibility, I<sub>II</sub>μA at VOL, VOH

## Recommended For You

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**CD4070BE**

Texas Instruments, Inc

DIP14

**CD74HCT138E**

Texas Instruments, Inc

DIP16

**CD4098BE**

Texas Instruments, Inc

DIP

**CD74HC08E**

Texas Instruments, Inc

DIP

**CD74HC4075E**

Texas Instruments, Inc

DIP

**CD74ACT74E**

Texas Instruments, Inc

DIP-14

**CD74HC75E**

Texas Instruments, Inc

DIP

**CD4504BE**

Texas Instruments, Inc

DIP16

**CD4068BE**

Texas Instruments, Inc

DIP

**CD4081BE**

Texas Instruments, Inc

DIP14

**CD4001BE**

Texas Instruments, Inc

DIP14

**CD4512BE**

Texas Instruments, Inc

DIP16

**CD4069UBE**

Texas Instruments, Inc

DIP14

**CD74HCT151E**

Texas Instruments, Inc

DIP

**CD74HC04M**

Texas Instruments, Inc

SOP14