


Multiplexer 1-Element CMOS 8-IN 16-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The 'HC157, 'HCT157, 'HC158, and 'HCT158 are quad 2-input multiplexers which select four bits of data from two sources under the control of a common Select input (S). The Enable input (E) is active Low. When (E) is High, all of the outputs in the 158, the inverting type, (1Y\~4Y) are forced High and in the 157, the non-inverting type, all of the outputs (1Y\~4Y) are forced Low, regardless of all other input conditions.

Moving data from two groups of registers to four common output busses is a common use of these devices. The state of the Select input determines the particular register from which the data comes. They can also be used as function generators.

Key Features

Common Select Inputs

Separate Enable Inputs

Buffered inputs and Outputs

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, III μ A at VOL, VOH

The CD54HC158 and CD74HC158 are obsolete and no longer are supplied.

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Recommended For You

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