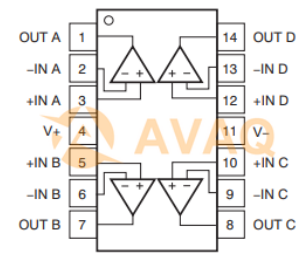


Op Amp Quad Low Power Amplifier R-R O/P $\pm 18V/36V$ 14-Pin TSSOP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: TSSOP14

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The SN74AHCT138Q 3-line to 8-line decoder/demultiplexer is designed to be used in high-performance memory-decoding and data-routing applications that require very short propagation-delay times. In high-performance memory systems, this decoder can be used to minimize the effects of system decoding.

When employed with high-speed memories utilizing a fast enable circuit, the delay times of this decoder and the enable time of the memory usually are less than the typical access time of the memory. This means that the effective system delay introduced by the decoder is negligible.

The conditions at the binary-select inputs and the three enable inputs select one of eight output lines. Two active-low and one active-high enable inputs reduce the need for external gates or inverters when expanding. A 24-line decoder can be implemented without external inverters and a 32-line decoder requires only one inverter. An enable input can be used as a data input for demultiplexing applications.

Key Features

Qualified for Automotive Applications

EPIC (Enhanced-Performance Implanted CMOS) Process

Inputs Are TTL-Voltage Compatible

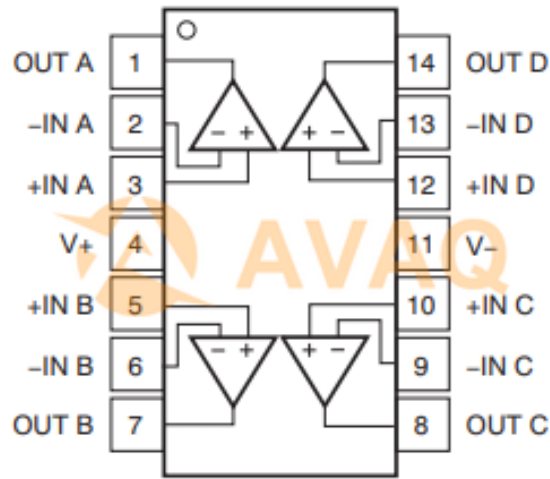
Designed Specifically for High-Speed Memory Decoders and Data-Transmission Systems

Incorporates Three Enable Inputs to Simplify Cascading and/or Data Reception

Latch-Up Performance Exceeds 250 mA Per JESD 17

ESD Protection Exceeds 2000 V Per MIL-STD-883, Method 3015; Exceeds 200 V Using Machine Model (C = 200 pF, R = 0)

EPIC is a trademark of Texas Instruments.



Recommended For You

OPA445BM

Texas Instruments, Inc
CAN

OPA1611AIDR

Texas Instruments, Inc
SOP8

OPA388QDBVRQ1

Texas Instruments, Inc
SOT23-5

OPA2365AQDRQ1

Texas Instruments, Inc
SOP8

OPA334AIDBVR

Texas Instruments, Inc
SOT23-6

OPA2835IDCSR

Texas Instruments, Inc
MSOP10

OPA656U

Texas Instruments, Inc
SOP8

OPA360AIDCKR

Texas Instruments, Inc
SC70-6

LMI11H/NOPB

Texas Instruments, Inc
CAN8

OPA353UA

Texas Instruments, Inc
SOP8

LMI3700MX/NOPB

Texas Instruments, Inc
SOP16

OPA633KP

Texas Instruments, Inc
DIP8

OPA453FAKTWT

Texas Instruments, Inc
TO263-7

OPA4251UA

Texas Instruments, Inc
SOP14

LMV321M5X/NOPB

Texas Instruments, Inc
SOT23-5