
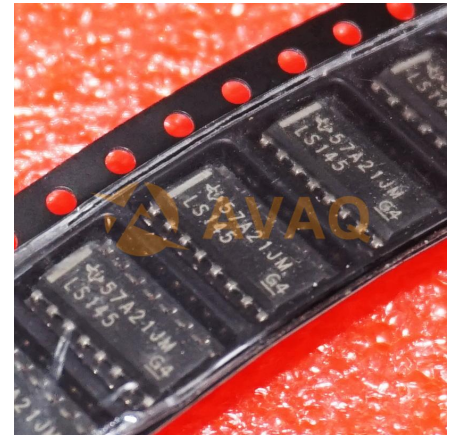


## Decoder/Driver Single 4-to-10 16-Pin SOIC T/R

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SOP16
<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

Each circuit in SNx414 and SNx4LS14 functions as an inverter. However, because of the Schmitt-Trigger action, they have different input threshold levels for positive-going (VT+) and negative-going (VT-) signals.

These circuits are temperature compensated and can be triggered from the slowest of input ramps and still give clean, jitter-free output signals.

## Key Features

Full Decoding of Input Logic

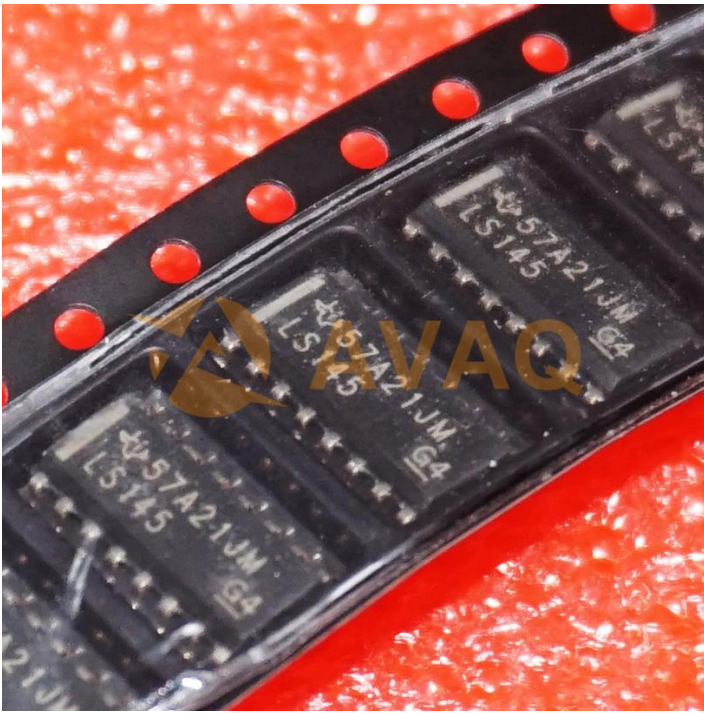
SN54145, SN74145, and SN74LS145 Have 80-mA Sink-current Capability

All Outputs Are Off for Invalid BCD Input Conditions

Low Power Dissipation of 'LS145 . . .35 mW Typical

### Description

These monolithic BCD-to-decimal decoder/drivers consist of eight inverters and ten four-input NAND gates. The inverters are connected in pairs to make BCD input data available for decoding by the NAND gates. Full decoding of valid BCD input logic ensures that all outputs remain off for all invalid binary input conditions. These decoders feature high-performance, n-p-n output transistors designed for use as indicator/relay drivers or as open-collector logic-circuit drivers. Each of the high-breakdown output transistors (15 volts) of the SN54145, SN74145, or SN74LS145 will sink up to 80 milliamperes of current. Each input is one Series 54/74 or Series 54LS/74LS standard load, respectively. Inputs and outputs are entirely compatible for use with TTL or DTL logic circuits, and the outputs are compatible for interfacing with most MOS integrated circuits. Power dissipation is typically 215 milliwatts for the '145 and 35 milliwatts for the 'LS145.



## Recommended For You

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### SN74S38N

Texas Instruments, Inc

DIP

### SN7438N

Texas Instruments, Inc

DIP14

### SN75462P

Texas Instruments, Inc

DIP8

### SN74F08D

Texas Instruments, Inc

SOP-14

### SN74LS257BN

Texas Instruments, Inc

DIP16

### SN75452BP

Texas Instruments, Inc

DIP8

### SN74LS245DW

Texas Instruments, Inc

SOP20

### SN74LS74AN

Texas Instruments, Inc

DIP

### SN74S74N

Texas Instruments, Inc

DIP

### SN7406N

Texas Instruments, Inc

DIP-14

### SN74CBTLV3257D

Texas Instruments, Inc

SOP-16P

### SN74HC138DR

Texas Instruments, Inc

SOP16

### SN74LS14N

Texas Instruments, Inc

DIP

### SN74HC139N

Texas Instruments, Inc

DIP

### SN74AVC16T245DGGR

Texas Instruments, Inc

TSSOP48