

Shift Register Single 8-Bit Serial to Serial/Parallel 16-Pin SSOP T/R

Manufacturer:	Texas Instruments, Inc	<input type="text" value="SN74HC595DBR Image"/>
Package/Case:	SSOP16	Images are for reference only
Product Type:	Logic ICs	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The SNx4HC595 devices contain an 8-bit, serial-in, parallel-out shift register that feeds an 8-bit D-type storage register. The storage register has parallel 3-state outputs. Separate clocks are provided for both the shift and storage register. The shift register has a direct overriding clear (SRCLR) input, serial (SER) input, and serial outputs for cascading. When the output-enable (OE) input is high, the outputs are in the high-impedance state.

Key Features

8-Bit Serial-In, Parallel-Out Shift

Wide Operating Voltage Range of 2 V to 6 V

High-Current 3-State Outputs Can Drive Up to 15 LSTTL Loads

Low Power Consumption: 80- μ A (Maximum) ICC

tpd = 13 ns (Typical)

\pm 6-mA Output Drive at 5 V

Low Input Current: 1 μ A (Maximum)

Shift Register Has Direct Clear

On Products Compliant to MIL-PRF-38535, All Parameters Are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.

APPLICATIONS

Network Switches

Power Infrastructure

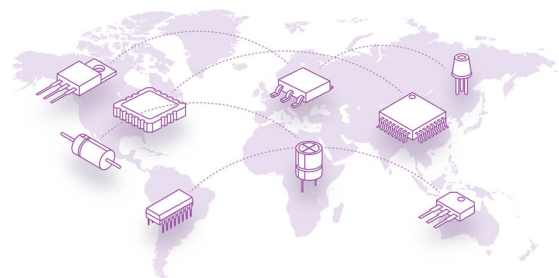
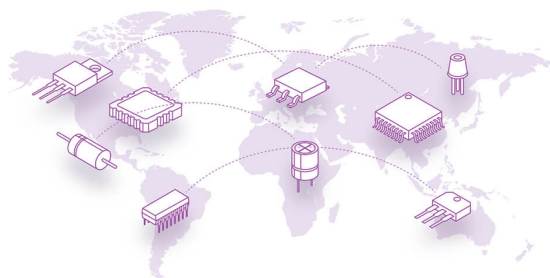
LED Displays

Servers

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Recommended For You

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

SN74CBILV3257D

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