SN74LVC1G29DCTR

Decoder/Demultiplexer Single 2-to-3 8-Pin SSOP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SM8
Product Type:	Logic ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

This decoder is designed for 1.65-V to 5.5-V VCC operation.

The SN74LVC1G29 device is a 2-of-3 decoder/demultiplexer. When the enable (G) input signal is low, only one of the outputs is in the low state, depending on the input levels of A0 and A1. When G is high, Y0, Y1, and Y2 are high, regardless of the input states.

This device is fuly specified for partial-power-down applications using Ioff. The Ioff circuitry disable the outputs, preventing damaging current backflow through the device when it is powered down.

NanoFree package technology is a major breakthrough in IC packaging concepts, using the die as the package.

Key Features

Available in the Texas Instruments NanoFree Package

Supports 5-V VCC Operation

Inputs Accept Voltages to 5.5 V

Supports Down Translation to VCC

Max tpd of 5.1 ns at 3.3 V

Low Power Consumption, 10-µA Max ICC

±24-mA Output Drive at 3.3 V

Typical VOLP (Output Ground Bounce) <0.8 V at VCC = 3.3 V, TA = 25°C

Typical VOHV (Output VOH Undershoot) >2 V at VCC = 3.3 V, TA = 25°C

Ioff Supports Live Insertion, Partial-Power-Down Mode, and Back-Drive Protection

Latch-Up Performance Exceeds 100 mA Per JESD 78, Class II

ESD Protection Exceeds JESD 22
2000-V Human-Body Model (A114-A)

200-V Machine Model (A115-A)

1000-V Charged-Device Model (C101)

Description
This decoder is designed for 1.65-V to 5.5-V VCC operation.
The SN74LVC1G29 device is a 2-of-3 decoder/demultiplexer. When the enable (G is high, Y0, Y1, and Y2 are high, regardless of the input states.
This device is fuly specified for partial-power-down applications using Ioff. The Ioff circuitry disable the outputs, preventing damaging current backflow through the device when it is powered down.
NanoFree? package technology is a major breakthrough in IC packaging concepts, using the die as the package.

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

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