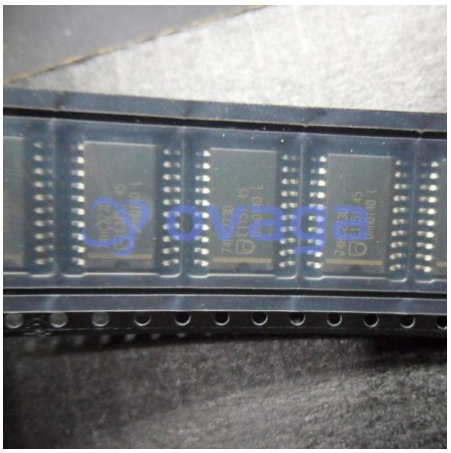
74HC273D

Data Sheet

D-TYPE FLIP FLOP, OCTAL,Flip-Flop Type:D, Propagation Delay:13ns, Frequency:122MHz, Output Current:5.2mA, Trigger Type:Positive Edge, IC Output Type:Non Inverted, Family Type:HC

Manufacturers	NXP Semiconductor
Package/Case	SOP-20
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 74HC273D or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

74HC273D is a type of integrated circuit (IC) that belongs to the 74HC series, which is a family of high-speed CMOS logic ICs. Specifically, 74HC273D is an octal D-type flip-flop with reset, which means it has 8 flip-flops (also known as registers) that can store digital data, and it has a reset function to clear the stored data.

Features

High-speed CMOS technology: The 74HC273D operates at a high-speed clock frequency, making it suitable for applications that require fast data storage and retrieval.

Octal flip-flop: It has 8 flip-flops, which allows for the storage of 8 bits of data.

Reset function: It has a reset input that can be used to clear the stored data and reset the flip-flops to a known state.

Wide operating voltage range: The 74HC273D can operate with a wide range of supply voltages, typically from 2V to 6V, making it compatible with various digital systems.

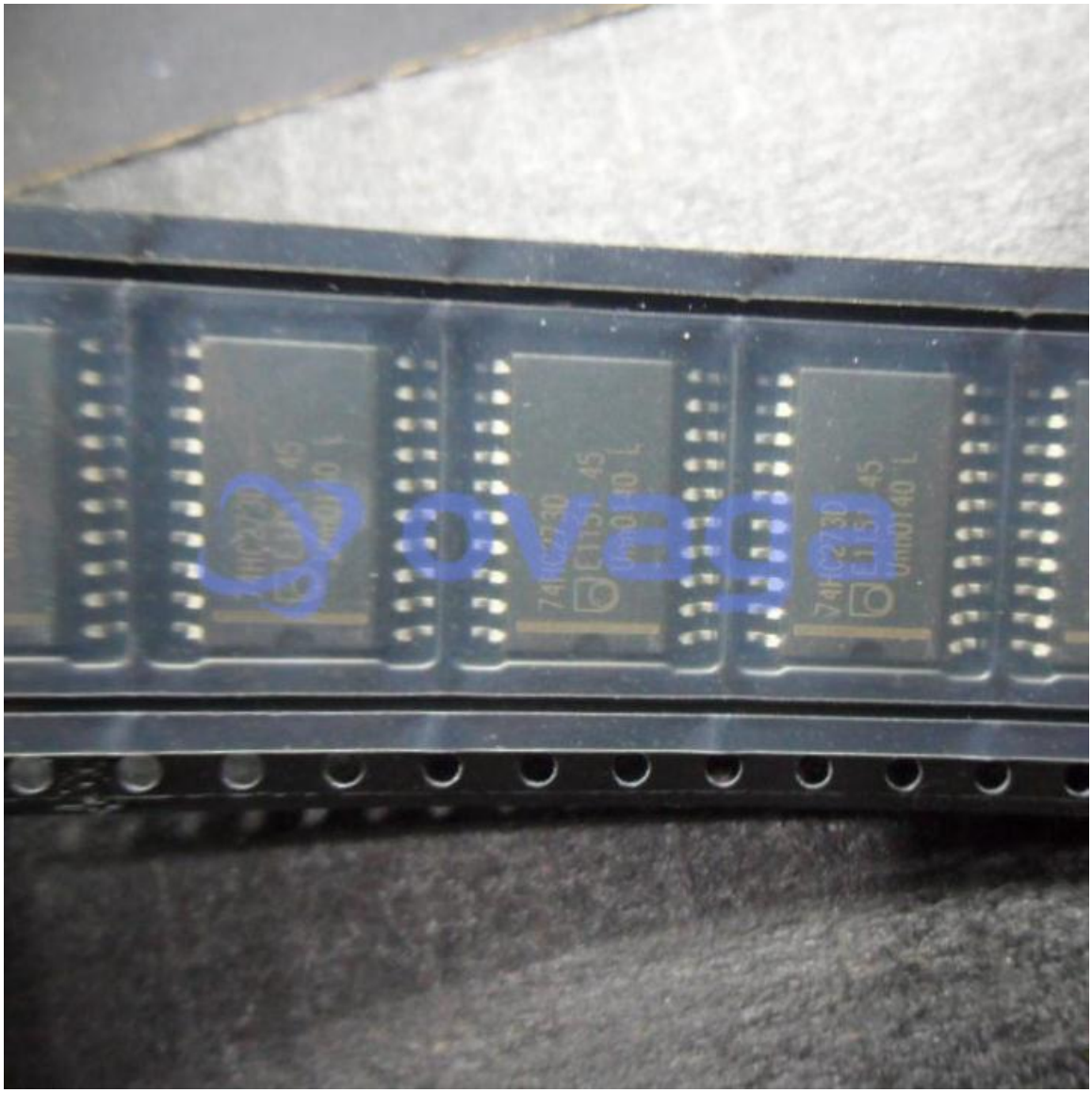
3-state outputs: It has 3-state outputs, which means that the outputs can be in a high-impedance state, allowing for multiple devices to be connected to the same output without interference.

Application

Data storage and retrieval: The flip-flops in 74HC273D can be used to store and retrieve digital data in various applications, such as register files, memory buffers, and data latches.

Control and synchronization: The flip-flops can be used to store control signals, timing signals, and synchronization signals in digital systems.

State machine design: The flip-flops can be used to design state machines, which are sequential logic circuits used in applications such as digital counters, sequencers, and controllers.



Related Products

[74LVC32APW](#)

NXP Semiconductor

TSSOP-14

[74LVC14APW](#)

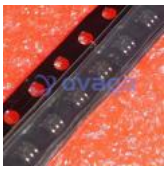
NXP Semiconductor

TSSOP-14

[74LVC162245ADGG](#)

NXP Semiconductor

TSSOP48



[74AUP1G157GW](#)

NXP Semiconductor

SOT363

[74HCT595BQ](#)

NXP Semiconductor

SOP

[74LVC2G66DP](#)

NXP Semiconductor

SSOP-8

[74HC1G125GW](#)

NXP Semiconductor

SOT353

[74LVC08APW](#)

NXP Semiconductor

TSSOP-14