

Product Overview

MC74LVX374: Octal D Flip-Flop with 3-State Outputs

For complete documentation, see the data sheet.

The MC74LVX374 is an advanced high speed CMOS octal D-type flip-flop with 3-state outputs. The inputs tolerate voltages up to 7V, allowing the interface of 5V systems to 3V systems. This 8-bit D-type flip-flop is controlled by a clock input and an output enable input. When the output enable input is high, the eight outputs are in a high impedance state.

Features

- High Speed: $f_{max} = 160\text{MHz}$ (Typ) at $V_{CC} = 3.3\text{V}$
- Low Power Dissipation: $I_{CC} = 4\mu\text{A}$ (Max) at $T_A = 25\text{C}$
- Power Down Protection Provided on Inputs
- Balanced Propagation Delays
- Low Noise: $V_{OLP} = 0.8\text{V}$ (Max)
- Pin and Function Compatible with Other Standard Logic Families
- Latchup Performance Exceeds 300mA
- ESD Performance: $\text{HBM} > 2000\text{V}$; Machine Model $> 200\text{V PIN}$
- Pb-Free Packages are Available*

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
MC74LVX374DTR2G	Pb-free Halide free	Active	D-Type	8	2	3.6	14.1	4	TSSOP-20
MC74LVX374DWR2G	Pb-free Halide free	Active	D-Type	8	2	3.6	14.1	4	SOIC-20W

For more information please contact your local sales support at www.onsemi.com.

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