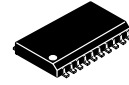


D- p L p
3- 3- 3- 3-

With 5 V-Tolerant Inputs

C74L 573



SOIC-20
 DW SUFFIX
 CASE 751D



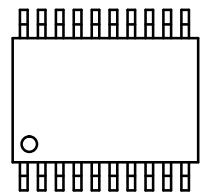
The MC74LVX573 is an advanced high speed CMOS octal latch with 3 state outputs. The inputs tolerate voltages up to 7.0 V, allowing the interface of 5.0 V systems to 3.0 V systems.

This 8 bit D type latch is controlled by a latch enable 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: $t_{PD} = 6.4 \text{ ns (Typ)}$ 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 300 mA
- ESD Performance: Human Body Model > 2000 V;
 Machine Model > 200 V
- These Devices are Pb Free and are RoHS Compliant

MARKING DIAGRAMS



ORDERING INFORMATION

MC74LVX573

RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter	Min	Max	Unit
		-		
Δ Δ				

DC ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Test Conditions	V _{CC} V	T _A = 25 C			T _A = -40 to 85 C		Unit
				Min	Typ	Max	Min	Max	
	-	C							
	-								
	-	- μ - μ -							
	-	μ μ							
									μ
	-								μ

MC74LVX573

CAPACITIVE CHARACTERISTICS

Symbol	Parameter	T _A = 25 C			T _A = -40 to 85 C		Unit
		Min	Typ	Max	Min	Max	
	-						

-

NOISE CHARACTERISTICS

Symbol	Characteristic	T _A = 25 C		Unit
		Typ	Max	
		-	-	

MC74LVX573

SWITCHING WAVEFORMS

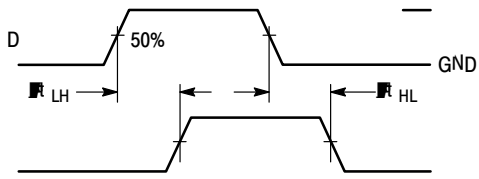


Figure 2.

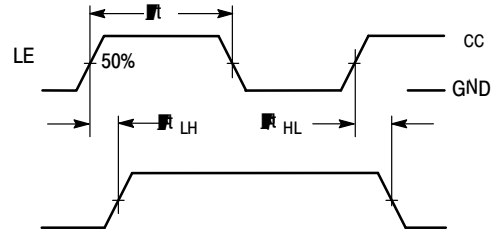


Figure 3.

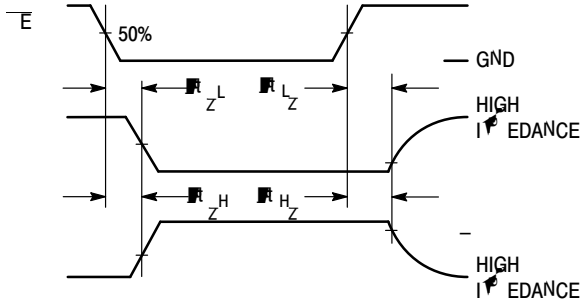


Figure 4.

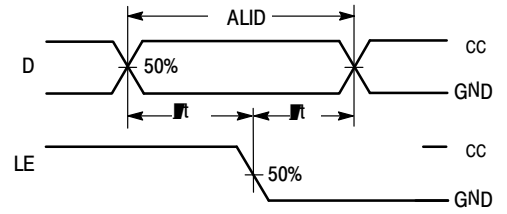
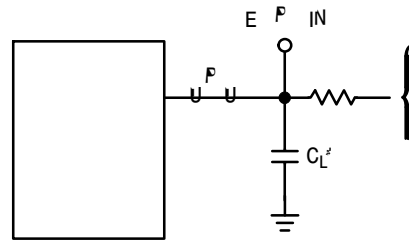
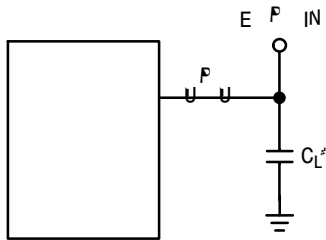
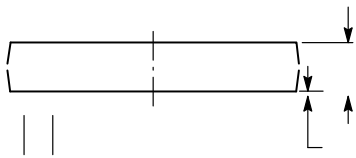


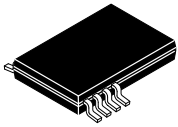
Figure 5.



SOIC-20 WB
CASE 751D-05
ISSUE H

DATE 22 APR 2015





SCALE 2:1

TSSOP-20 WB
CASE 948E
ISSUE D

DATE 17 FEB 2016

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