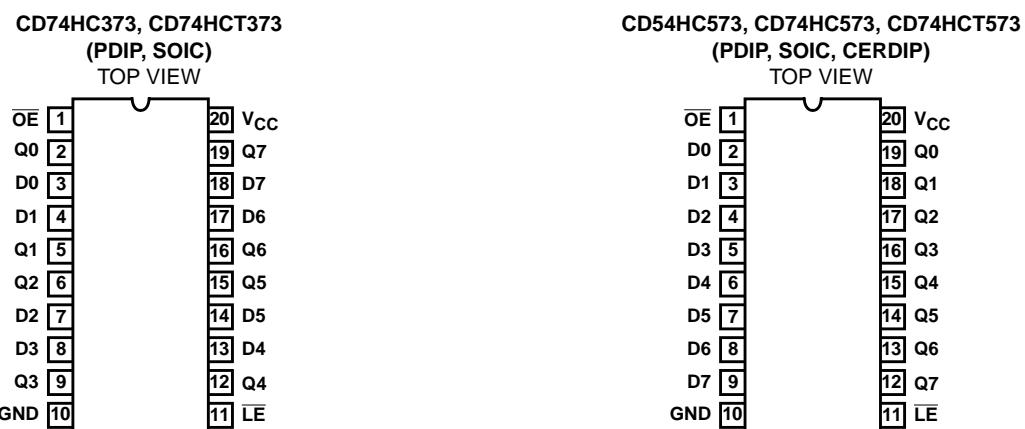


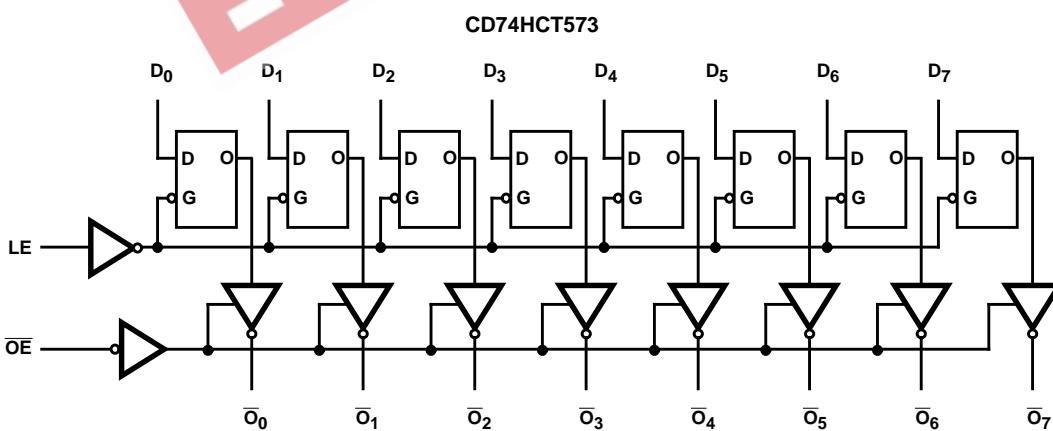
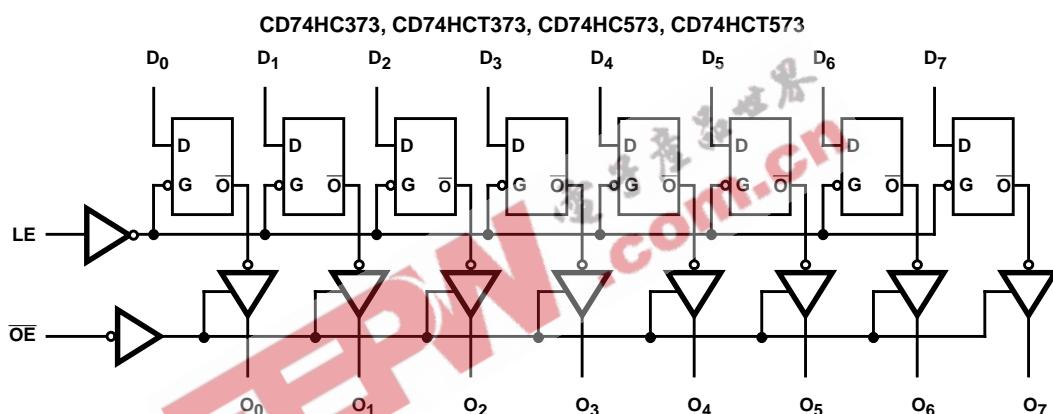


## CD74HC373, CD74HCT373, CD54HC573, CD74HC573, CD74HCT573

### Pinout



### Functional Block Diagrams



TRUTH TABLE

OUTPUT ENABLE	LATCH ENABLE	DATA	OUTPUT
L	H	H	H
L	H	L	L
L	L	I	L
L	L	h	H
H	X	X	Z

NOTE: H = High Voltage Level, L = Low Voltage Level, X = Don't Care, Z = High Impedance State, I = Low voltage level one set-up time prior to the high to low latch enable transition, h = High voltage level one set-up time prior to the high to low latch enable transition.





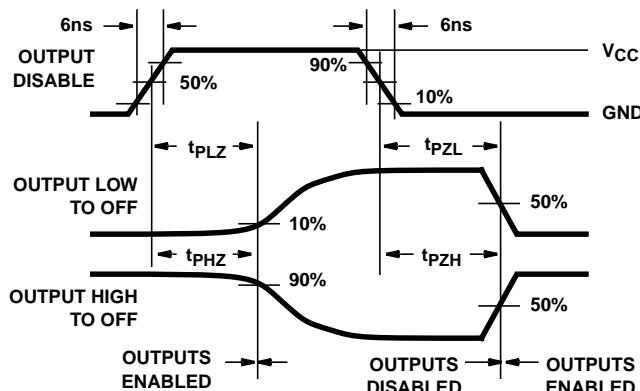




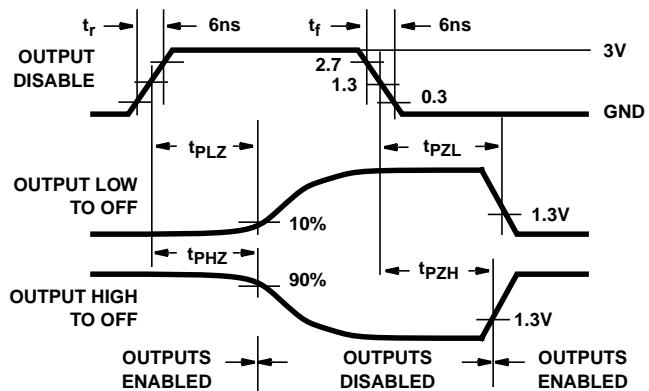


## CD74HC373, CD74HCT373, CD54HC573, CD74HC573, CD74HCT573

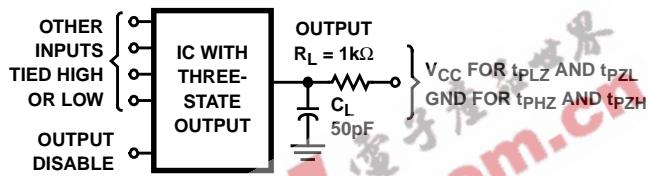
### Test Circuits and Waveforms (Continued)



**FIGURE 7. HC THREE-STATE PROPAGATION DELAY WAVEFORM**



**FIGURE 8. HCT THREE-STATE PROPAGATION DELAY WAVEFORM**



NOTE: Open drain waveforms  $t_{PLZ}$  and  $t_{PZL}$  are the same as those for three-state shown on the left. The test circuit is Output  $R_L = 1\text{k}\Omega$  to  $V_{CC}$ ,  $C_L = 50\text{pF}$ .

**FIGURE 9. HC AND HCT THREE-STATE PROPAGATION DELAY TEST CIRCUIT**

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