74LVC573A

Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

Rev. 5 — 19 February 2013

Product data sheet

1. General description

The 74LVC573A consists of eight D-type transparent latches, featuring separate D-type inputs for each latch and 3-state true outputs for bus-oriented applications. A Latch Enable (LE) input and an Output Enable (OE) input are common to all internal latches.

When LE is HIGH, data at the Dn inputs enters the latches. In this condition, the latches are transparent, that is, a latch output changes each time its corresponding D-input changes. When LE is LOW, the latches store the information that was present at the D-inputs one set-up time preceding the HIGH-to-LOW transition of LE.

When \overline{OE} is LOW, the contents of the eight latches are available at the outputs. When \overline{OE} is HIGH, the outputs go to the high impedance OFF-state. Operation of the \overline{OE} input does not affect the state of the latches.

Inputs can be driven from either 3.3 V or 5 V devices. When disabled, up to 5.5 V can be applied to the outputs. These features allow the use of these devices as translators in mixed 3.3 V or 5 V applications.

The 74LVC573A is functionally identical to the 74LVC373A, but has a different pin arrangement.

2. Features and benefits

- 5 V tolerant inputs/outputs, for interfacing with 5 V logic
- Supply voltage range from 1.2 V to 3.6 V
- CMOS low power consumption
- Direct interface with TTL levels
- High-impedance when V_{CC} = 0 V
- Flow-through pinout architecture
- Complies with JEDEC standard:
 - ◆ JESD8-7A (1.65 V to 1.95 V)
 - ◆ JESD8-5A (2.3 V to 2.7 V)
 - ◆ JESD8-C/JESD36 (2.7 V to 3.6 V)
- ESD protection:
 - ◆ HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-B exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



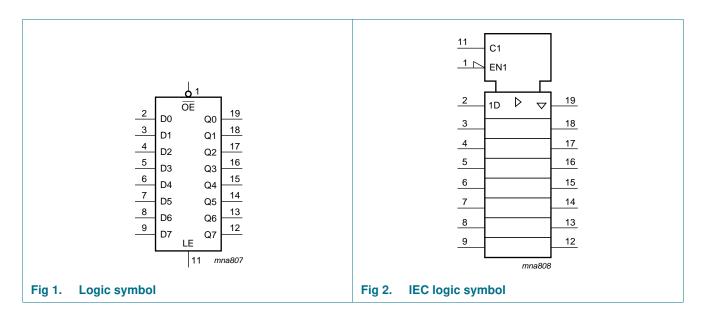
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3. Ordering information

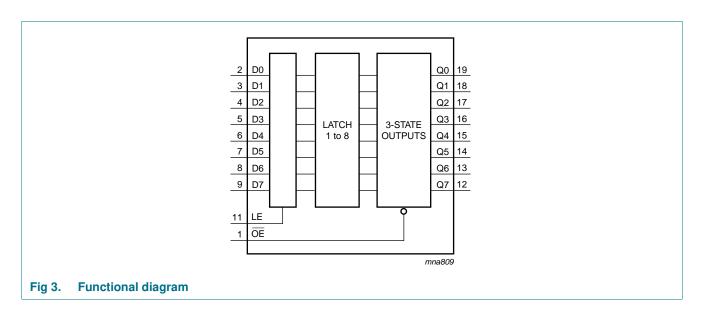
Table 1. Ordering information

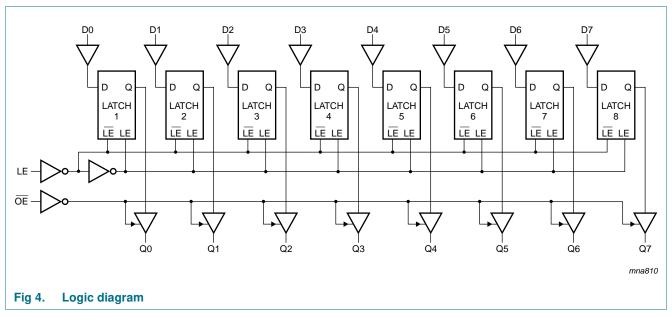
Type number	Package			
	Temperature range	Name	Description	Version
74LVC573AD	–40 °C to +125 °C	SO20	plastic small outline package; 20 leads; body width 7.5 mm	SOT163-1
74LVC573ADB	–40 °C to +125 °C	SSOP20	plastic shrink small outline package; 20 leads; body width 5.3 mm	SOT339-1
74LVC573APW	–40 °C to +125 °C	TSSOP20	plastic thin shrink small outline package; 20 leads; body width 4.4 mm	SOT360-1
74LVC573ABQ	–40 °C to +125 °C	DHVQFN20	plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 20 terminals; body 2.5 \times 4.5 \times 0.85 mm	SOT764-1
74LVC573ABX	–40 °C to +125 °C	DHXQFN20	plastic dual in-line compatible thermal enhanced extremely thin quad flat package; no leads; 20 terminals; body $4.5 \times 2.5 \times 0.5$ mm	SOT1045-2

4. Functional diagram



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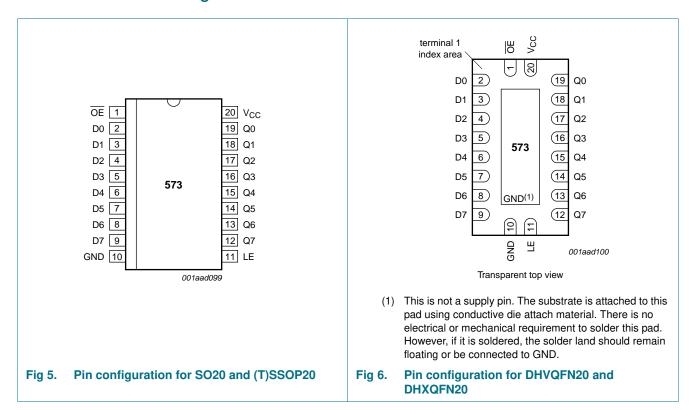




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5. Pinning information

5.1 Pinning



5.2 Pin description

Table 2. Pin description

Symbol	Pin	Description
ŌĒ	1	output enable input (active LOW)
LE	11	latch enable input (active HIGH)
D[0:7]	2, 3, 4, 5, 6, 7, 8, 9	data input
Q[0:7]	19, 18, 17, 16, 15, 14, 13, 12	data output
GND	10	ground (0 V)
V _{CC}	20	supply voltage

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6. Functional description

Table 3. Functional table[1]

Operating modes	Input		Internal latch	Output	
	OE	LE	Dn		Qn
Enable and read register	L	Н	L	L	L
(transparent mode)	L	Н	Н	Н	Н
Latch and read register	L	L	I	L	L
	L	L	h	Н	Н
Latch register and disable outputs	Н	L	I	L	Z
	Н	L	h	Н	Z

^[1] H = HIGH voltage level

7. Limiting values

Table 4. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Min	Max	Unit
V_{CC}	supply voltage		-0.5	+6.5	V
I _{IK}	input clamping current	V _I < 0	-50	-	mA
V _I	input voltage		<u>II</u> –0.5	+6.5	V
I _{OK}	output clamping current	$V_O > V_{CC}$ or $V_O < 0$	-	±50	mA
V _O	output voltage		<u>[2]</u> –0.5	$V_{CC} + 0.5$	V
I _O	output current	$V_O = 0 V \text{ to } V_{CC}$	-	±50	mA
I _{CC}	supply current		-	100	mA
I_{GND}	ground current		-100	-	mA
T _{stg}	storage temperature		-65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$	<u>[3]</u> _	500	mW

^[1] The minimum input voltage ratings may be exceeded if the input current ratings are observed.

h = HIGH voltage level one set-up time prior to the HIGH-to-LOW LE transition

L = LOW voltage level

I = LOW voltage level one set-up time prior to the HIGH-to-LOW LE transition

Z = high-impedance OFF-state

^[2] The output voltage ratings may be exceeded if the output current ratings are observed.

^[3] For SO20 packages: above 70 °C the value of P_{tot} derates linearly with 8 mW/K.
For (T)SSOP20 packages: above 60 °C the value of P_{tot} derates linearly with 5.5 mW/K.
For DHVQFN20 and DHXQFN20 packages: above 60 °C the value of P_{tot} derates linearly with 4.5 mW/K.

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8. Recommended operating conditions

Table 5. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V_{CC}	supply voltage		1.65	-	3.6	V
		functional	1.2	-	-	V
VI	input voltage		0	-	5.5	V
Vo	output voltage	output HIGH- or LOW-state	0	-	V_{CC}	V
		output 3-state	0	-	5.5	V
T _{amb}	ambient temperature	in free air	-40	-	+125	°C
$\Delta t/\Delta V$	input transition rise and fall rate	$V_{CC} = 1.65 \text{ V to } 2.7 \text{ V}$	0	-	20	ns/V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	0	-	10	ns/V

9. Static characteristics

Table 6. Static characteristics

At recommended operating conditions. Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	°C to +8	85 °C	-40 °C to	+125 °C	Unit
			Min	Typ[1]	Max	Min	Max	
V _{IH}	HIGH-level	V _{CC} = 1.2 V	1.08	-	-	1.08	-	V
	input voltage	V _{CC} = 1.65 V to 1.95 V	$0.65 \times V_{CC}$	-	-	$0.65 \times V_{CC}$	-	٧
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.7	-	-	1.7	-	٧
	V _{CC} = 2.7 V to 3.6 V	2.0	-	-	2.0	-	V	
V_{IL}	LOW-level	V _{CC} = 1.2 V	-	-	0.12	-	0.12	٧
	input voltage	V _{CC} = 1.65 V to 1.95 V	-	-	$0.35 \times V_{CC}$	-	$0.35 \times V_{CC}$	V
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	-	0.7	-	0.7	V
		V _{CC} = 2.7 V to 3.6 V	-	-	0.8	-	0.8	٧
V _{OH}	HIGH-level	$V_I = V_{IH}$ or V_{IL}						
	output voltage	$I_O = -100 \mu A;$ $V_{CC} = 1.65 \text{ V to } 3.6 \text{ V}$	V _{CC} - 0.2	-	-	$V_{CC}-0.3$	-	V
		$I_O = -4 \text{ mA}; V_{CC} = 1.65 \text{ V}$	1.2	-	-	1.05	-	٧
		$I_{O} = -8 \text{ mA}; V_{CC} = 2.3 \text{ V}$	1.8	-	-	1.65	-	٧
		$I_{O} = -12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	2.2	-	-	2.05	-	٧
		$I_{O} = -18 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.4	-	-	2.25	-	٧
		$I_{O} = -24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	2.2	-	-	2.0	-	V
V _{OL}	LOW-level	$V_I = V_{IH}$ or V_{IL}						
	output voltage	$I_O = 100 \mu A;$ $V_{CC} = 1.65 \text{ V to } 3.6 \text{ V}$	-	-	0.2	-	0.3	V
		$I_O = 4 \text{ mA}$; $V_{CC} = 1.65 \text{ V}$	-	-	0.45	-	0.65	٧
		$I_O = 8 \text{ mA}$; $V_{CC} = 2.3 \text{ V}$	-	-	0.6	-	8.0	٧
		$I_O = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	-	0.4	-	0.6	٧
		$I_O = 24 \text{ mA}; V_{CC} = 3.0 \text{ V}$	-	-	0.55	-	8.0	٧
I _I	input leakage current	$V_{CC} = 3.6 \text{ V}; V_I = 5.5 \text{ V or GND}$	-	±0.1	±5	-	±20	μΑ

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 Table 6.
 Static characteristics ...continued

At recommended operating conditions. Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	°C to +85	°C	–40 °C to	Unit	
			Min	Typ[1]	Max	Min	Max	
I _{OZ}	OFF-state output current	$\begin{split} &V_{I} = V_{IH} \text{ or } V_{IL}; \ V_{CC} = 3.6 \ V; \\ &V_{O} = 5.5 \ V \text{ or GND}; \end{split}$	-	0.1	±5	-	±20	μΑ
I _{OFF}	power-off leakage current	$V_{CC} = 0 \text{ V}; V_{I} \text{ or } V_{O} = 5.5 \text{ V}$	-	0.1	±10	-	±20	μА
I _{CC}	supply current	V_{CC} = 3.6 V; V_{I} = V_{CC} or GND; I_{O} = 0 A	-	0.1	10	-	40	μΑ
ΔI_{CC}	additional supply current	per input pin; V_{CC} = 2.7 V to 3.6 V; V_I = V_{CC} - 0.6 V; I_O = 0 A	-	5	500	-	5000	μА
C _I	input capacitance	$V_{CC} = 0 \text{ V to } 3.6 \text{ V};$ $V_{I} = \text{GND to } V_{CC}$	-	5.0	-	-	-	pF

^[1] All typical values are measured at V_{CC} = 3.3 V (unless stated otherwise) and T_{amb} = 25 °C.

10. Dynamic characteristics

Table 7. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V). For test circuit see Figure 11.

Symbol	Parameter	Conditions	-40	-40 °C to +85 °C			-40 °C to +125 °C		
				Min	Typ[1]	Max	Min	Max	
t_{pd}	propagation delay	Dn to Qn; see Figure 7	[2]						
		V _{CC} = 1.2 V		-	16.0	-	-	-	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		2.1	7.8	16.3	2.1	18.8	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.5	4.1	8.0	1.5	9.2	ns
		$V_{CC} = 2.7 \text{ V}$		1.5	4.1	7.2	1.5	9.0	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.5	3.4	6.2	1.5	8.0	ns
		LE to Qn; see Figure 8	[2]						
		V _{CC} = 1.2 V		-	16.0	-	-	-	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		2.0	7.7	16.0	2.0	18.4	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.5	4.1	7.8	1.5	9.1	ns
		$V_{CC} = 2.7 \text{ V}$		1.5	3.7	7.5	1.5	9.5	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.5	3.4	6.5	1.5	8.5	ns
t _{en}	enable time	OE to Qn; see Figure 9	[2]						
		V _{CC} = 1.2 V		-	18.0	-	-	-	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.7	7.5	17.5	1.7	20.2	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.5	4.2	9.2	1.5	10.6	ns
		$V_{CC} = 2.7 \text{ V}$		1.5	4.2	8.5	1.5	11.0	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.5	3.4	7.5	1.5	9.5	ns

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 Table 7.
 Dynamic characteristics ...continued

Voltages are referenced to GND (ground = 0 V). For test circuit see Figure 11.

Symbol	Parameter	Conditions		-40	°C to +8	5 °C	-40 °C to +125 °C		Unit
				Min	Typ[1]	Max	Min	Max	
t _{dis}	disable time	OE to Qn; see Figure 9	[2]						
		V _{CC} = 1.2 V		-	8.0	-	-	-	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		1.0	3.3	10.1	1.0	11.6	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.3	1.8	5.7	0.3	6.6	ns
		V _{CC} = 2.7 V		1.5	3.0	6.5	1.5	8.5	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.5	2.5	6.0	1.5	7.5	ns
t _W	pulse width	LE HIGH; see Figure 8							
		V _{CC} = 1.65 V to 1.95 V		5.0	-	-	5.0	-	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		4.0	-	-	4.0	-	ns
		V _{CC} = 2.7 V		3.2	-	-	3.2	-	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		3.2	1.6	-	3.2	-	ns
t _{su} s	set-up time	nD to nCP; see Figure 10							
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		4.0	-	-	4.0	-	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		2.5	-	-	2.5	-	ns
		$V_{CC} = 2.7 \text{ V}$		1.7	-	-	1.7	-	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.7	-	-	1.7	-	ns
t _h	hold time	Dn to LE; see Figure 10							
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		3.0	-	-	3.0	-	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		1.9	-	-	1.9	-	ns
		V _{CC} = 2.7 V		1.5	-	-	1.5	-	ns
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		1.4	-	-	1.4	-	ns
t _{sk(0)}	output skew time	$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	[3]	-	-	1.0	-	1.5	ns
C_{PD}	power dissipation	per latch; $V_I = GND$ to V_{CC}	[4]						
	capacitance	$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		-	7.1	-		-	pF
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		-	10.3	-		-	pF
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$		-	13.2	-		-	pF

^[1] Typical values are measured at T_{amb} = 25 °C and V_{CC} = 1.2 V, 1.8 V, 2.5 V, 2.7 V and 3.3 V respectively.

 t_{dis} is the same as t_{PLZ} and t_{PHZ} .

[4] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma (C_L \times V_{CC}^2 \times f_o)$ where:

 f_i = input frequency in MHz; f_o = output frequency in MHz

 C_L = output load capacitance in pF

V_{CC} = supply voltage in Volts

N = number of inputs switching

 $\Sigma(C_L \times V_{CC}{}^2 \times f_o) = sum \ of \ the \ outputs$

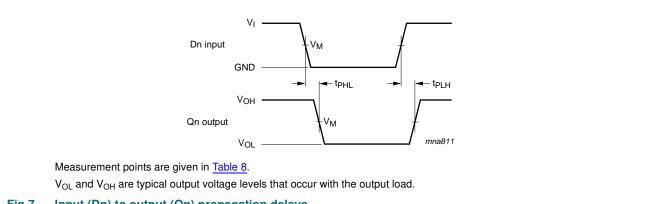
 $[\]begin{array}{ll} [2] & t_{pd} \text{ is the same as } t_{PLH} \text{ and } t_{PHL}. \\ & t_{en} \text{ is the same as } t_{PZL} \text{ and } t_{PZH}. \end{array}$

^[3] Skew between any two outputs of the same package switching in the same direction. This parameter is guaranteed by design.

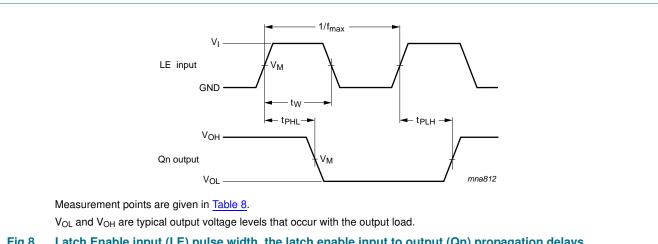
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11. AC waveforms

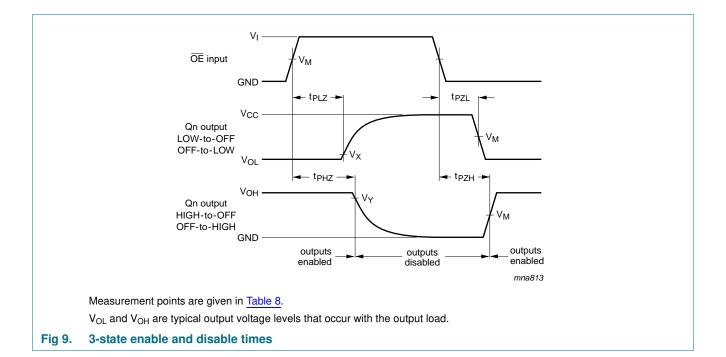


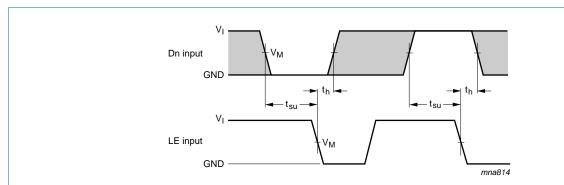
Input (Dn) to output (Qn) propagation delays Fig 7.



Latch Enable input (LE) pulse width, the latch enable input to output (Qn) propagation delays Fig 8.

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Measurement points are given in Table 8.

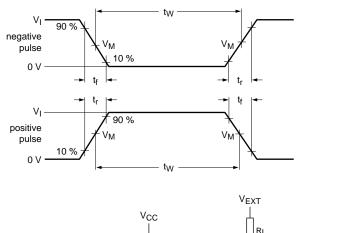
The shaded areas indicate when the input is permitted to change for predictable output performance.

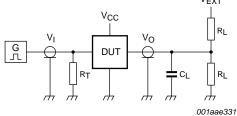
Fig 10. Data set-up and hold times for the Dn input to the LE input

Table 8. Measurement points

Supply voltage	Input		Output		
V _{CC}	VI	V _M	V _M	V _X	V _Y
1.2 V	V_{CC}	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	$V_{OL} + 0.15 V$	$V_{OH}-0.15\ V$
1.65 V to 1.95 V	V_{CC}	$0.5 \times V_{\text{CC}}$	$0.5 \times V_{\text{CC}}$	V _{OL} + 0.15 V	$V_{OH}-0.15~V$
2.3 V to 2.7 V	V_{CC}	$0.5 \times V_{\text{CC}}$	$0.5 \times V_{\text{CC}}$	V _{OL} + 0.15 V	$V_{OH}-0.15~V$
2.7 V	2.7 V	1.5 V	1.5 V	$V_{OL} + 0.3 V$	$V_{OH}-0.3\ V$
3.0 V to 3.6 V	2.7 V	1.5 V	1.5 V	$V_{OL} + 0.3 V$	$V_{OH}-0.3\ V$

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Test data is given in Table 9. Definitions for test circuit:

 R_L = Load resistance. C_L = Load capacitance including jig and probe capacitance.

 R_T = Termination resistance should be equal to output impedance Z_0 of the pulse generator.

 V_{EXT} = External voltage for measuring switching times.

Fig 11. Test circuit for measuring switching times

Table 9. Test data

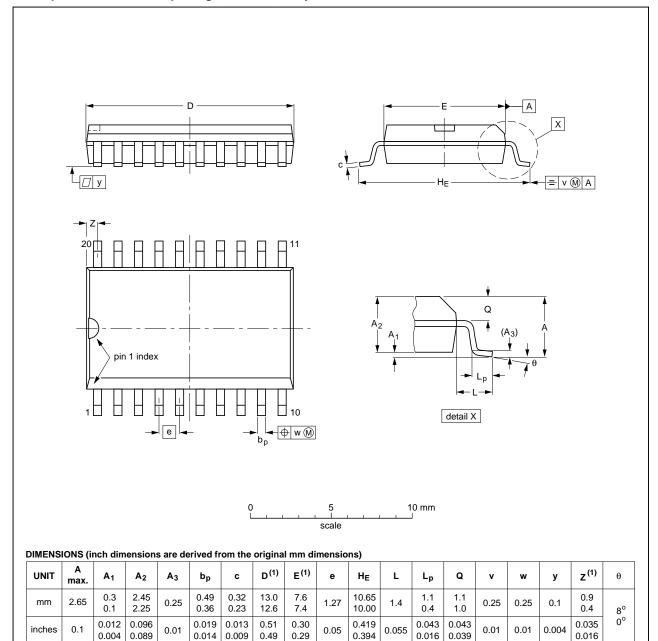
Supply voltage	Input	Input		Load		V _{EXT}		
	VI	t _r , t _f	CL	R _L	t _{PLH} , t _{PHL}	t _{PLZ} , t _{PZL}	t _{PHZ} , t _{PZH}	
1.2 V	V_{CC}	≤ 2 ns	30 pF	1 kΩ	open	$2\times V_{CC}$	GND	
1.65 V to 1.95 V	V_{CC}	≤ 2 ns	30 pF	1 kΩ	open	$2\times V_{CC}$	GND	
2.3 V to 2.7 V	V_{CC}	≤ 2 ns	30 pF	500Ω	open	$2\times V_{CC}$	GND	
2.7 V	2.7 V	≤ 2.5 ns	50 pF	500Ω	open	$2\times V_{CC}$	GND	
3.0 V to 3.6 V	2.7 V	≤ 2.5 ns	50 pF	$500~\Omega$	open	$2\times V_{CC}$	GND	

Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

12. Package outline

SO20: plastic small outline package; 20 leads; body width 7.5 mm

SOT163-1



Note

1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

OUTLINE		REFER	EUROPEAN	ISSUE DATE	
VERSION	IEC	JEDEC	JEITA	PROJECTION	ISSUE DATE
SOT163-1	075E04	MS-013			99-12-27 03-02-19

Fig 12. Package outline SOT163-1 (SO20)

74LVC573A

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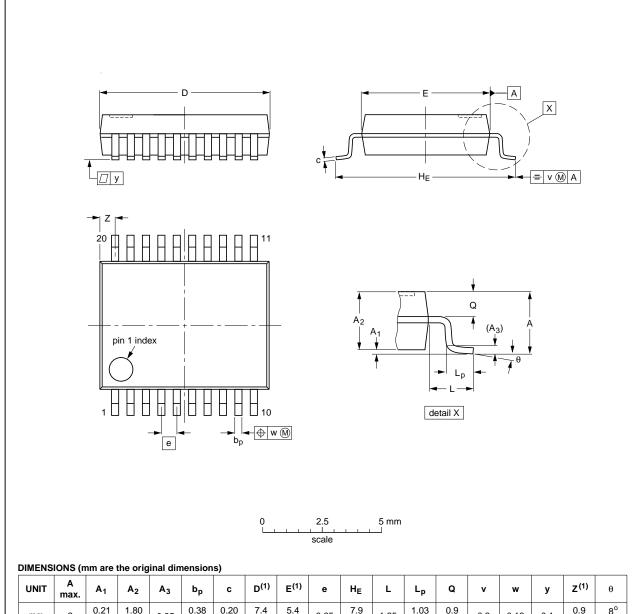
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SSOP20: plastic shrink small outline package; 20 leads; body width 5.3 mm

SOT339-1



	UNIT	A max.	A ₁	A ₂	A ₃	bp	С	D ⁽¹⁾	E ⁽¹⁾	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
	mm	2	0.21 0.05	1.80 1.65	0.25	0.38 0.25	0.20 0.09	7.4 7.0	5.4 5.2	0.65	7.9 7.6	1.25	1.03 0.63	0.9 0.7	0.2	0.13	0.1	0.9 0.5	8° 0°

Note

1. Plastic or metal protrusions of 0.2 mm maximum per side are not included.

OUTLINE		REFER	ENCES	EUROPEAN	ISSUE DATE		
VERSION	IEC	JEDEC	JEITA	PROJECTION	ISSUE DATE		
SOT339-1		MO-150			99-12-27 03-02-19		
						٠	

Fig 13. Package outline SOT339-1 (SSOP20)

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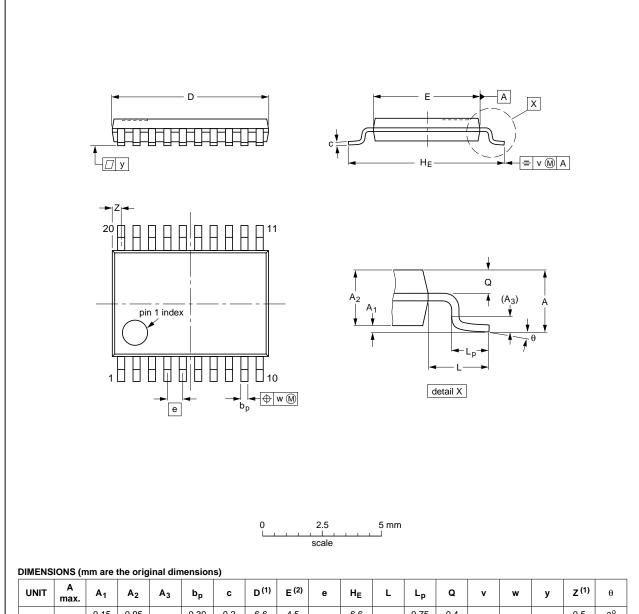
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74LVC573A **NXP Semiconductors**

Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

TSSOP20: plastic thin shrink small outline package; 20 leads; body width 4.4 mm

SOT360-1



UNIT	A max.	A ₁	A ₂	A ₃	bp	С	D ⁽¹⁾	E (2)	е	HE	L	Lp	Q	v	w	у	Z ⁽¹⁾	θ
mm	1.1	0.15 0.05	0.95 0.80	0.25	0.30 0.19	0.2 0.1	6.6 6.4	4.5 4.3	0.65	6.6 6.2	1	0.75 0.50	0.4 0.3	0.2	0.13	0.1	0.5 0.2	8° 0°

- 1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic interlead protrusions of 0.25 mm maximum per side are not included.

OUTLINE		REFER	ENCES	EUROPEAN	ISSUE DATE		
VERSION	IEC	JEDEC	JEITA	PROJECTION	ISSUE DATE		
SOT360-1		MO-153			99-12-27 03-02-19		

Fig 14. Package outline SOT360-1 (TSSOP20)

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Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

DHVQFN20: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 20 terminals; body 2.5 x 4.5 x 0.85 mm SOT764-1

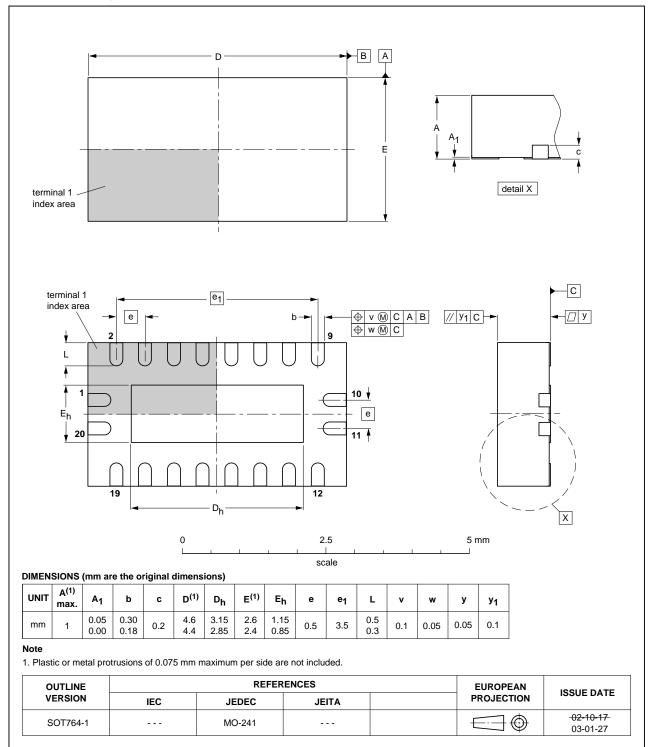


Fig 15. Package outline SOT764-1 (DHVQFN20)

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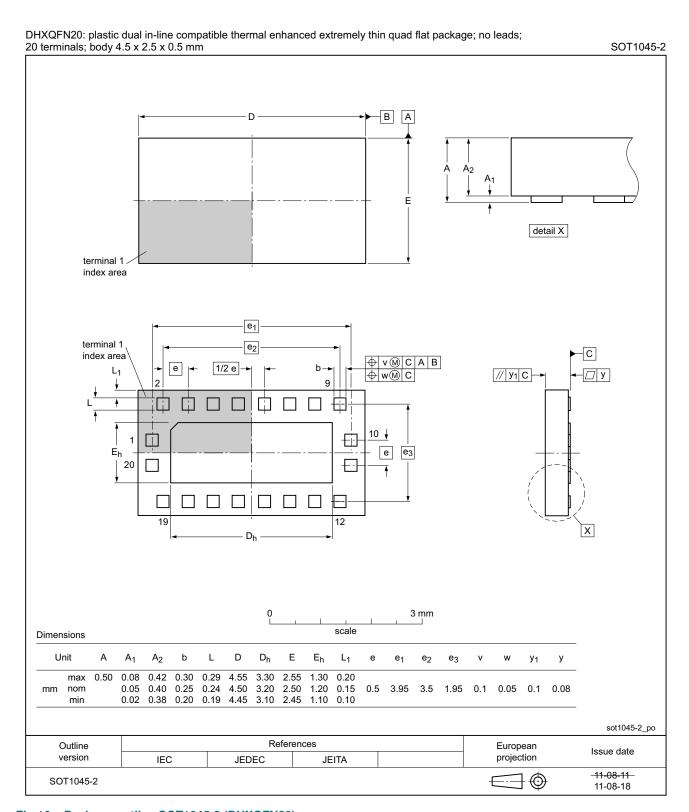


Fig 16. Package outline SOT1045-2 (DHXQFN20)

Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

13. Abbreviations

Table 10. Abbreviations

Acronym	Description
CDM	Charged Device Model
DUT	Device Under Test
ESD	ElectroStatic Discharge
HBM	Human Body Model
MM	Machine Model
TTL	Transistor-Transistor Logic

14. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes						
74LVC573A v.5	20130219	Product data sheet	-	74LVC573A v.4						
Modifications:	 74LVC573AB 	X added.								
74LVC573A v.4	20121129	Product data sheet	-	74LVC573A v.3						
Modifications:		 The format of this data sheet has been redesigned to comply with the new identity guidelines of NXP Semiconductors. 								
	 Legal texts have been adapted to the new company name where appropriate. 									
	 Table 4, Table 	5, Table 6, Table 7, Table 8	and Table 9: values ad	lded for lower voltage ranges.						
74LVC573A v.3	20031003	Product specification	-	74LVC573A v.2						
74LVC573A v.2	20030526	Product specification	-	74LVC573A v.1						
74LVC573A v.1	19980729	Product specification	-	-						

Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

15. Legal information

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Document status[1][2]	Product status[3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

- [1] Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions"
- [3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL http://www.nxp.com.

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Octal D-type transparent latch with 5 V tolerant inputs/outputs; 3-state

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