

74LVC373A

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

Rev. 3 — 22 November 2012

Product data sheet

1. General description

The 74LVC373A 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 input (pin LE) and an output enable input (pin \overline{OE}) are common to all internal latches.

When pin LE is HIGH, data at the D-inputs (pins D0 to D7) enters the latches. In this condition, the latches are transparent, that is, a latch output will change each time its corresponding D-input changes. When pin 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 pin LE.

When pin \overline{OE} is LOW, the contents of the eight latches are available at the Q-outputs (pins Q0 to Q7). When pin \overline{OE} is HIGH, the outputs go to the high-impedance OFF-state. Operation of input pin \overline{OE} 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 and 5 V applications.

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

2. Features and benefits

- 5 V tolerant inputs/outputs for interfacing with 5 V logic
- Wide supply voltage range from 1.2 V to 3.6 V
- CMOS low power consumption
- Direct interface with TTL levels
- High-impedance outputs when $V_{CC} = 0$ V
- 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

3. Ordering information

Table 1. Ordering information

| Type number | Package | | | Version |
|-------------|-------------------|----------|--|----------|
| | Temperature range | Name | Description | |
| 74LVC373AD | -40 °C to +125 °C | SO20 | plastic small outline package; 20 leads; body width 7.5 mm | SOT163-1 |
| 74LVC373ADB | -40 °C to +125 °C | SSOP20 | plastic shrink small outline package; 20 leads; body width 5.3 mm | SOT339-1 |
| 74LVC373APW | -40 °C to +125 °C | TSSOP20 | plastic thin shrink small outline package; 20 leads; body width 4.4 mm | SOT360-1 |
| 74LVC373ABQ | -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 × 4.5 × 0.85 mm | SOT764-1 |

4. Functional diagram



Fig 1. Logic symbol

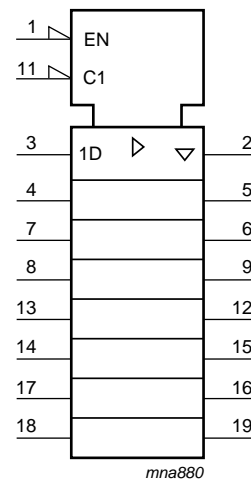


Fig 2. IEC logic symbol



Fig 3. Functional diagram



Fig 4. Logic diagram for one latch



Fig 5. Logic diagram

5. Pinning information

5.1 Pinning



5.2 Pin description

Table 2. Pin description

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

6. Functional description

Table 3. Functional table^[1]

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

- [1] H = HIGH voltage level
 h = HIGH voltage level one set-up time prior to the HIGH-to-LOW LE transition
 L = LOW voltage level
 l = LOW voltage level one set-up time prior to the HIGH-to-LOW LE transition
 Z = High-impedance OFF-state

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 | | ^[1] -0.5 | +6.5 | V |
| I_{OK} | output clamping current | $V_O > V_{CC}$ or $V_O < 0$ | - | ±50 | mA |
| V_O | output voltage | HIGH or LOW-state | ^[2] -0.5 | $V_{CC} + 0.5$ | V |
| | | 3-state | ^[2] -0.5 | +6.5 | V |
| I_O | output current | $V_O = 0\text{ V to }V_{CC}$ | - | ±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 | $T_{amb} = -40\text{ °C to }+125\text{ °C}$ | ^[3] - | 500 | mW |

- [1] The minimum input voltage ratings may be exceeded if the input current ratings are observed.
 [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 packages: above 60 °C the value of P_{tot} derates linearly with 4.5 mW/K.

8. Recommended operating conditions

Table 5. Recommended operating conditions

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|---------------------|-------------------------------------|--|------|-----|----------|------|
| V_{CC} | supply voltage | | 1.65 | - | 3.6 | V |
| | | functional | 1.2 | - | - | V |
| V_I | input voltage | | 0 | - | 5.5 | V |
| V_O | output voltage | HIGH or LOW-state | 0 | - | V_{CC} | V |
| | | 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 +85 °C | | | -40 °C to +125 °C | | Unit |
|----------|---------------------------|---|----------------------|--------------------|----------------------|----------------------|----------------------|---------------|
| | | | Min | Typ ^[1] | Max | Min | Max | |
| V_{IH} | HIGH-level input voltage | $V_{CC} = 1.2\text{ V}$ | 1.08 | - | - | 1.08 | - | V |
| | | $V_{CC} = 1.65\text{ V to }1.95\text{ V}$ | $0.65 \times V_{CC}$ | - | - | $0.65 \times V_{CC}$ | - | V |
| | | $V_{CC} = 2.3\text{ V to }2.7\text{ V}$ | 1.7 | - | - | 1.7 | - | V |
| | | $V_{CC} = 2.7\text{ V to }3.6\text{ V}$ | 2.0 | - | - | 2.0 | - | V |
| V_{IL} | LOW-level input voltage | $V_{CC} = 1.2\text{ V}$ | - | - | 0.12 | - | 0.12 | V |
| | | $V_{CC} = 1.65\text{ V to }1.95\text{ V}$ | - | - | $0.35 \times V_{CC}$ | - | $0.35 \times V_{CC}$ | V |
| | | $V_{CC} = 2.3\text{ V to }2.7\text{ V}$ | - | - | 0.7 | - | 0.7 | V |
| | | $V_{CC} = 2.7\text{ V to }3.6\text{ V}$ | - | - | 0.8 | - | 0.8 | V |
| V_{OH} | HIGH-level output voltage | $V_I = V_{IH}$ or V_{IL} | | | | | | |
| | | $I_O = -100\ \mu\text{A}$; $V_{CC} = 1.65\text{ V to }3.6\text{ V}$ | $V_{CC} - 0.2$ | - | - | $V_{CC} - 0.3$ | - | V |
| | | $I_O = -4\text{ mA}$; $V_{CC} = 1.65\text{ V}$ | 1.2 | - | - | 1.05 | - | V |
| | | $I_O = -8\text{ mA}$; $V_{CC} = 2.3\text{ V}$ | 1.8 | - | - | 1.65 | - | V |
| | | $I_O = -12\text{ mA}$; $V_{CC} = 2.7\text{ V}$ | 2.2 | - | - | 2.05 | - | V |
| | | $I_O = -18\text{ mA}$; $V_{CC} = 3.0\text{ V}$ | 2.4 | - | - | 2.25 | - | V |
| V_{OL} | LOW-level output voltage | $V_I = V_{IH}$ or V_{IL} | | | | | | |
| | | $I_O = 100\ \mu\text{A}$; $V_{CC} = 1.65\text{ V to }3.6\text{ V}$ | - | - | 0.2 | - | 0.3 | V |
| | | $I_O = 4\text{ mA}$; $V_{CC} = 1.65\text{ V}$ | - | - | 0.45 | - | 0.65 | V |
| | | $I_O = 8\text{ mA}$; $V_{CC} = 2.3\text{ V}$ | - | - | 0.6 | - | 0.8 | V |
| | | $I_O = 12\text{ mA}$; $V_{CC} = 2.7\text{ V}$ | - | - | 0.4 | - | 0.6 | V |
| | | $I_O = 24\text{ mA}$; $V_{CC} = 3.0\text{ V}$ | - | - | 0.55 | - | 0.8 | V |
| I_I | input leakage current | $V_{CC} = 3.6\text{ V}$; $V_I = 5.5\text{ V}$ or GND | - | ± 0.1 | ± 5 | - | ± 20 | μA |

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 +125 °C | | Unit |
|------------------|---------------------------|---|------------------|--------------------|-----|-------------------|------|------|
| | | | Min | Typ ^[1] | Max | Min | Max | |
| I _{OZ} | OFF-state output current | V _I = V _{IH} or V _{IL} ; V _{CC} = 3.6 V; V _O = 5.5 V or GND; | - | ±0.1 | ±5 | - | ±20 | μA |
| I _{OFF} | power-off leakage supply | V _{CC} = 0 V; V _I or V _O = 5.5 V | - | ±0.1 | ±10 | - | ±20 | μA |
| I _{CC} | supply current | V _{CC} = 3.6 V; V _I = V _{CC} or GND; I _O = 0 A | - | 0.1 | 10 | - | 40 | μA |
| 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 | μA |
| C _I | input capacitance | V _{CC} = 0 V to 3.6 V; V _I = 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 characteristicsVoltages are referenced to GND (ground = 0 V). For test circuit see [Figure 12](#).

| Symbol | Parameter | Conditions | -40 °C to +85 °C | | | -40 °C to +125 °C | | Unit |
|-----------------|-------------------|--|------------------|--------------------|------|-------------------|------|------|
| | | | Min | Typ ^[1] | Max | Min | Max | |
| t _{pd} | propagation delay | Dn to Qn; see Figure 8 ^[2] | | | | | | |
| | | V _{CC} = 1.2 V | - | 14 | - | - | - | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.5 | 6.5 | 15.8 | 1.5 | 18.2 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.0 | 3.4 | 8.2 | 1.0 | 9.4 | ns |
| | | V _{CC} = 2.7 V | 1.5 | 3.4 | 7.8 | 1.5 | 10.0 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.5 | 2.9 | 6.8 | 1.5 | 8.5 | ns |
| | | LE to Qn; see Figure 9 ^[2] | | | | | | |
| | | V _{CC} = 1.2 V | - | 16 | - | - | - | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.2 | 7.3 | 16.8 | 2.2 | 19.3 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.5 | 3.9 | 8.6 | 1.5 | 10.0 | ns |
| | | V _{CC} = 2.7 V | 1.5 | 3.5 | 8.2 | 1.5 | 10.5 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.5 | 3.3 | 7.2 | 1.5 | 9.0 | ns |
| t _{en} | enable time | OE to Qn; see Figure 10 ^[2] | | | | | | |
| | | V _{CC} = 1.2 V | - | 17 | - | - | - | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.5 | 6.8 | 17.6 | 1.5 | 20.3 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.5 | 3.8 | 9.7 | 1.5 | 11.2 | ns |
| | | V _{CC} = 2.7 V | 1.5 | 3.8 | 8.7 | 1.5 | 11.0 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.5 | 3.1 | 7.7 | 1.5 | 10.0 | ns |

Table 7. Dynamic characteristics ...continuedVoltages are referenced to GND (ground = 0 V). For test circuit see [Figure 12](#).

| Symbol | Parameter | Conditions | -40 °C to +85 °C | | | -40 °C to +125 °C | | Unit |
|--------------------|-------------------------------|---|------------------|--------------------|------|-------------------|------|------|
| | | | Min | Typ ^[1] | Max | Min | Max | |
| t _{dis} | disable time | OE to Qn; see Figure 10 ^[2] | | | | | | |
| | | V _{CC} = 1.2 V | - | 8.0 | - | - | - | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.3 | 4.3 | 10.3 | 2.3 | 11.9 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.0 | 2.4 | 5.8 | 1.0 | 6.8 | ns |
| | | V _{CC} = 2.7 V | 1.5 | 3.2 | 7.1 | 1.5 | 9.0 | ns |
| t _w | pulse width | LE HIGH; see Figure 9 | | | | | | |
| | | V _{CC} = 1.65 V to 1.95 V | 5.0 | - | - | 5.0 | - | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 4.0 | - | - | 4.0 | - | ns |
| | | V _{CC} = 2.7 V | 3.0 | - | - | 3.0 | - | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 3.0 | 1.5 | - | 3.0 | - | ns |
| t _{su} | set-up time | Dn to LE; see Figure 11 | | | | | | |
| | | V _{CC} = 1.65 V to 1.95 V | 4.0 | - | - | 4.0 | - | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 3.0 | - | - | 3.0 | - | ns |
| | | V _{CC} = 2.7 V | 2.0 | - | - | 2.0 | - | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | 0.0 | - | 2.0 | - | ns |
| t _h | hold time | Dn to LE; see Figure 11 | | | | | | |
| | | V _{CC} = 1.65 V to 1.95 V | 3.0 | - | - | 3.0 | - | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.0 | - | - | 2.0 | - | ns |
| | | V _{CC} = 2.7 V | 1.5 | - | - | 1.5 | - | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.5 | 0.3 | - | 1.5 | - | ns |
| t _{sk(0)} | output skew time | V _{CC} = 3.0 V to 3.6 V ^[3] | - | - | 1.0 | - | 1.5 | ns |
| C _{PD} | power dissipation capacitance | per latch; V _I = GND to V _{CC} ^[4] | | | | | | |
| | | V _{CC} = 1.65 V to 1.95 V | - | 16.6 | - | - | - | pF |
| | | V _{CC} = 2.3 V to 2.7 V | - | 19.2 | - | - | - | pF |
| | | V _{CC} = 3.0 V to 3.6 V | - | 21.6 | - | - | - | 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.

[2] t_{pd} is the same as t_{PLH} and t_{PHL}.

t_{en} is the same as t_{PZL} and t_{PZH}.

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

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

[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

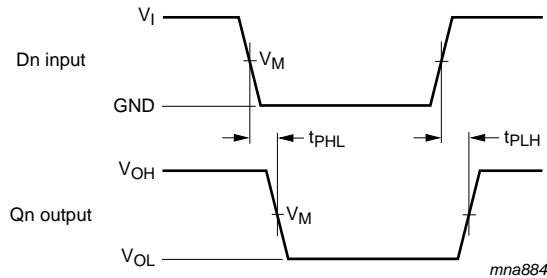
C_L = output load capacitance in pF

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

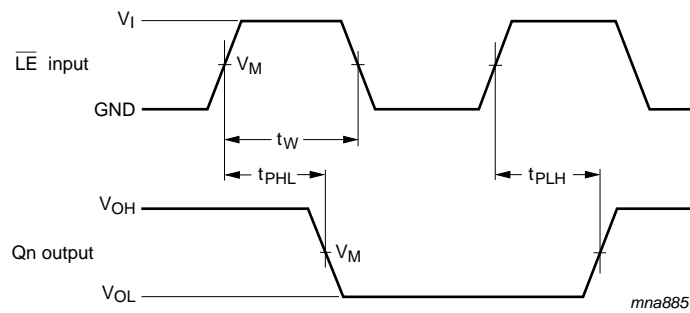
11. AC waveforms



Measurement points are given in [Table 8](#).

V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig 8. Input (Dn) to output (Qn) propagation delays



Measurement points are given in [Table 8](#).

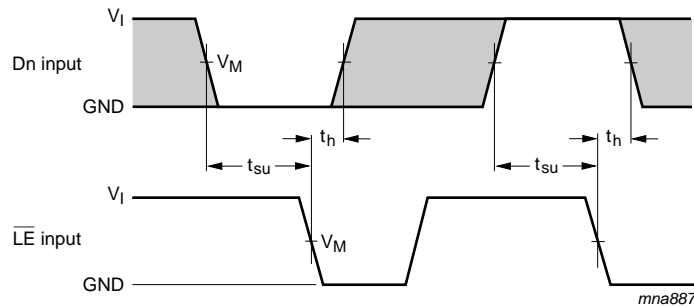
V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig 9. Latch Enable input (LE) pulse width, the latch enable input to output (Qn) propagation delays



Measurement points are given in [Table 8](#).
 V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig 10. 3-state enable and disable times

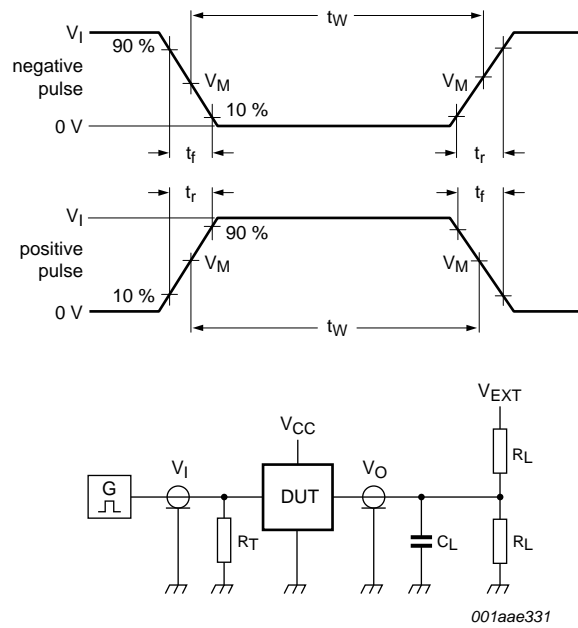


Measurement points are given in [Table 8](#).
 The shaded areas indicate when the input is permitted to change for predictable output performance.

Fig 11. Data set-up and hold times for the Dn input to the LE input

Table 8. Measurement points

| Supply voltage | Input | | Output | | |
|------------------|----------|---------------------|---------------------|---------------------------|---------------------------|
| V_{CC} | V_I | V_M | V_M | V_X | V_Y |
| 1.2 V | V_{CC} | $0.5 \times V_{CC}$ | $0.5 \times V_{CC}$ | $V_{OL} + 0.15 \text{ V}$ | $V_{OH} - 0.15 \text{ V}$ |
| 1.65 V to 1.95 V | V_{CC} | $0.5 \times V_{CC}$ | $0.5 \times V_{CC}$ | $V_{OL} + 0.15 \text{ V}$ | $V_{OH} - 0.15 \text{ V}$ |
| 2.3 V to 2.7 V | V_{CC} | $0.5 \times V_{CC}$ | $0.5 \times V_{CC}$ | $V_{OL} + 0.15 \text{ V}$ | $V_{OH} - 0.15 \text{ V}$ |
| 2.7 V | 2.7 V | 1.5 V | 1.5 V | $V_{OL} + 0.3 \text{ V}$ | $V_{OH} - 0.3 \text{ V}$ |
| 3.0 V to 3.6 V | 2.7 V | 1.5 V | 1.5 V | $V_{OL} + 0.3 \text{ V}$ | $V_{OH} - 0.3 \text{ V}$ |



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_o of the pulse generator.

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

Fig 12. Test circuit for measuring switching times

Table 9. Test data

| Supply voltage | Input | | Load | | V_{EXT} | | |
|------------------|----------|---------------|-------|--------------|--------------------|--------------------|--------------------|
| | V_I | t_r, t_f | C_L | R_L | t_{PLH}, t_{PHL} | t_{PLZ}, t_{PZL} | t_{PHZ}, t_{PZH} |
| 1.2 V | V_{CC} | ≤ 2 ns | 30 pF | 1 k Ω | open | $2 \times V_{CC}$ | GND |
| 1.65 V to 1.95 V | V_{CC} | ≤ 2 ns | 30 pF | 1 k Ω | open | $2 \times V_{CC}$ | GND |
| 2.3 V to 2.7 V | V_{CC} | ≤ 2 ns | 30 pF | 500 Ω | open | $2 \times V_{CC}$ | GND |
| 2.7 V | 2.7 V | ≤ 2.5 ns | 50 pF | 500 Ω | open | $2 \times V_{CC}$ | GND |
| 3.0 V to 3.6 V | 2.7 V | ≤ 2.5 ns | 50 pF | 500 Ω | open | $2 \times V_{CC}$ | GND |

12. Package outline

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

SOT163-1



Fig 13. Package outline SOT163-1 (SO20)

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

SOT339-1

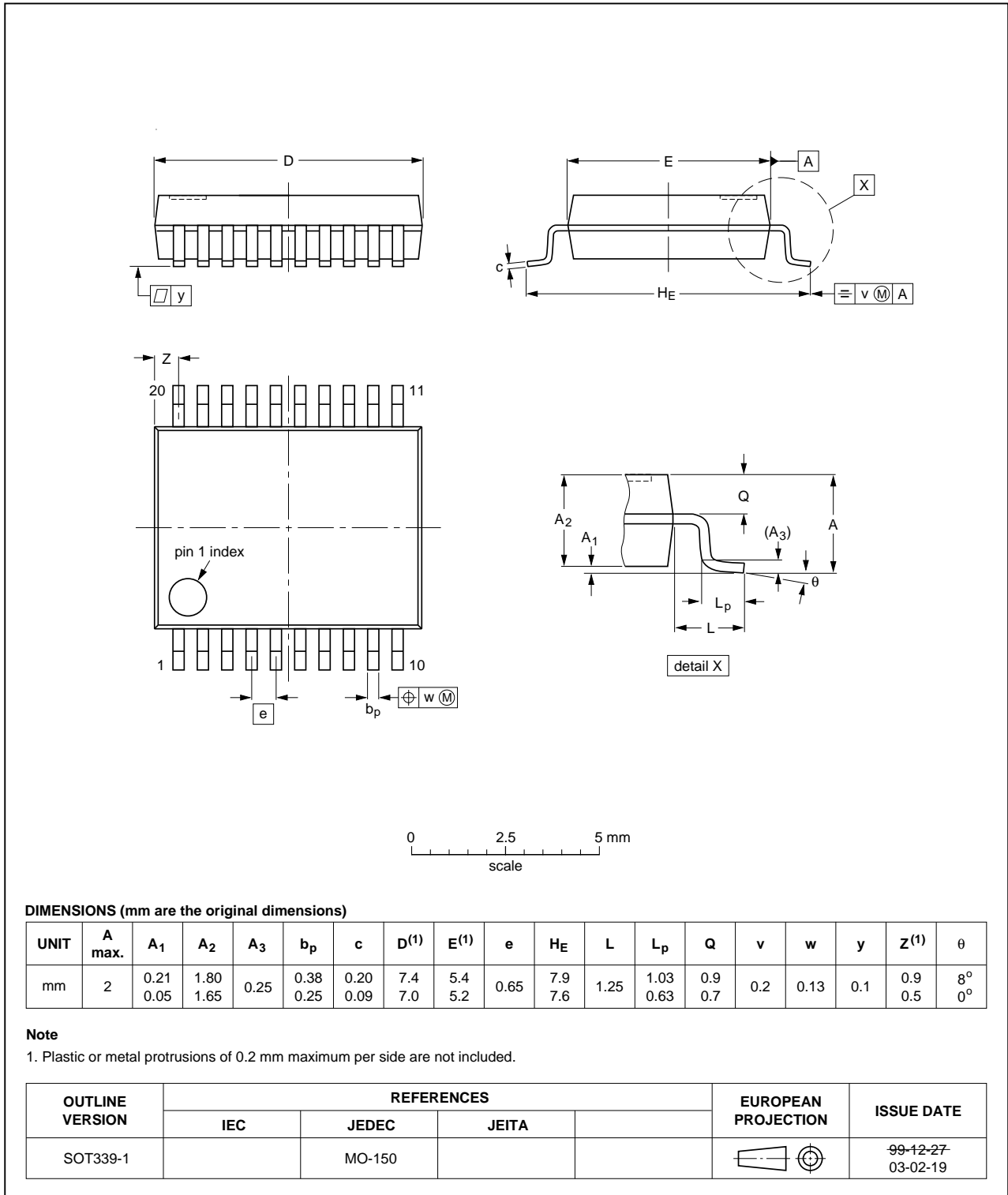


Fig 14. Package outline SOT339-1 (SSOP20)

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

SOT360-1



Fig 15. Package outline SOT360-1 (TSSOP20)

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 16. Package outline SOT764-1 (DHVQFN20)

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 |
|----------------|--|-----------------------|---------------|---------------|
| 74LVC373A v.3 | 20121122 | Product data sheet | - | 74LVC373A v.2 |
| Modifications: | <ul style="list-style-type: none"> 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 added for lower voltage ranges. | | | |
| 74LVC373A v.2 | 20030519 | Product specification | - | 74LVC373A v.1 |
| 74LVC373A v.1 | 19980729 | Product specification | - | - |

15. Legal information

15.1 Data sheet status

| 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.nexperia.com>.

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

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16. Contact information

For more information, please visit: <http://www.nexperia.com>

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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