

# 74LVC126A

Quad buffer/line driver with 5 V tolerant input/outputs; 3-state  
Rev. 9 — 21 August 2018

Product data sheet

## 1. General description

The 74LVC126A consists of four non-inverting buffers/line drivers with 3-state outputs, which are controlled by the output enable input (nOE). A LOW at nOE causes the outputs to assume a high-impedance OFF-state.

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.

## 2. Features and benefits

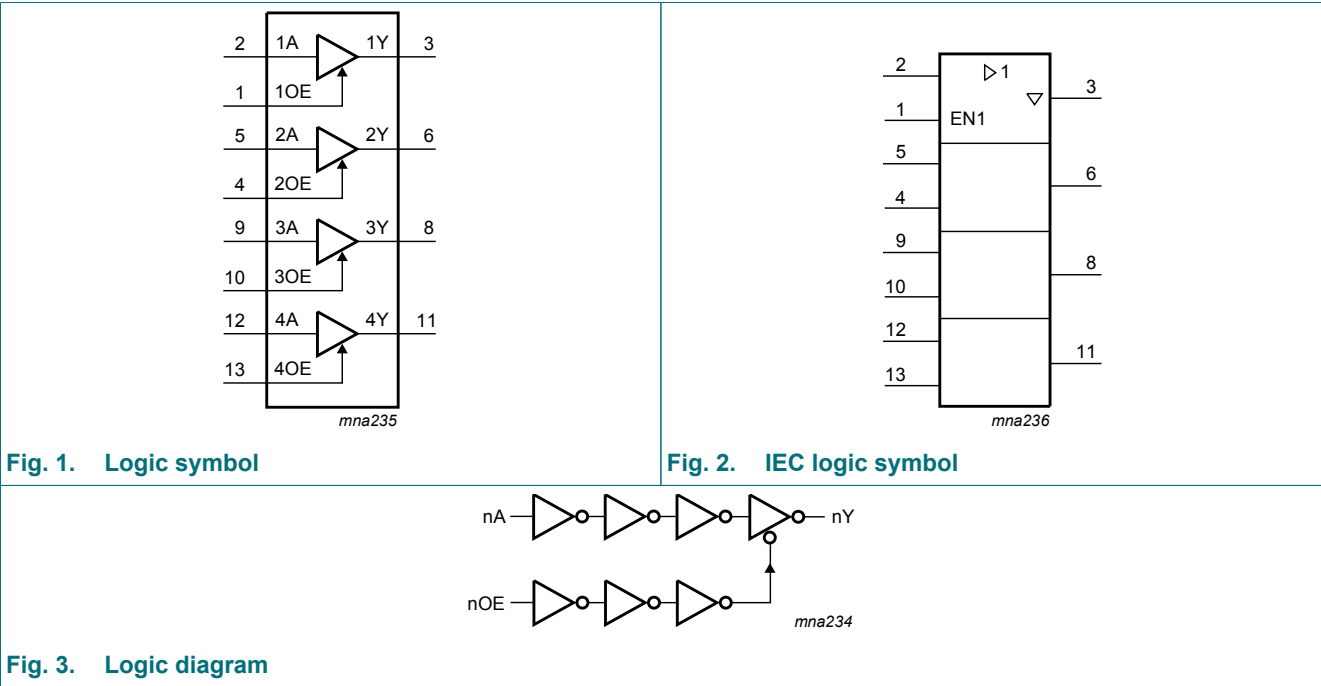
- 5 V tolerant inputs/outputs for interfacing with 5 V logic
- Wide supply voltage range from 1.2 V to 3.6 V
- CMOS low power consumption
- Direct interface with TTL levels
- Complies with JEDEC standard:
  - JESD8-7A (1.65 V to 1.95 V)
  - JESD8-5A (2.3 V to 2.7 V)
  - JESD8-C/JESD36 (2.7 V to 3.6 V)
- ESD protection:
  - HBM JESD22-A114F exceeds 2000 V
  - MM JESD22-A115B 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

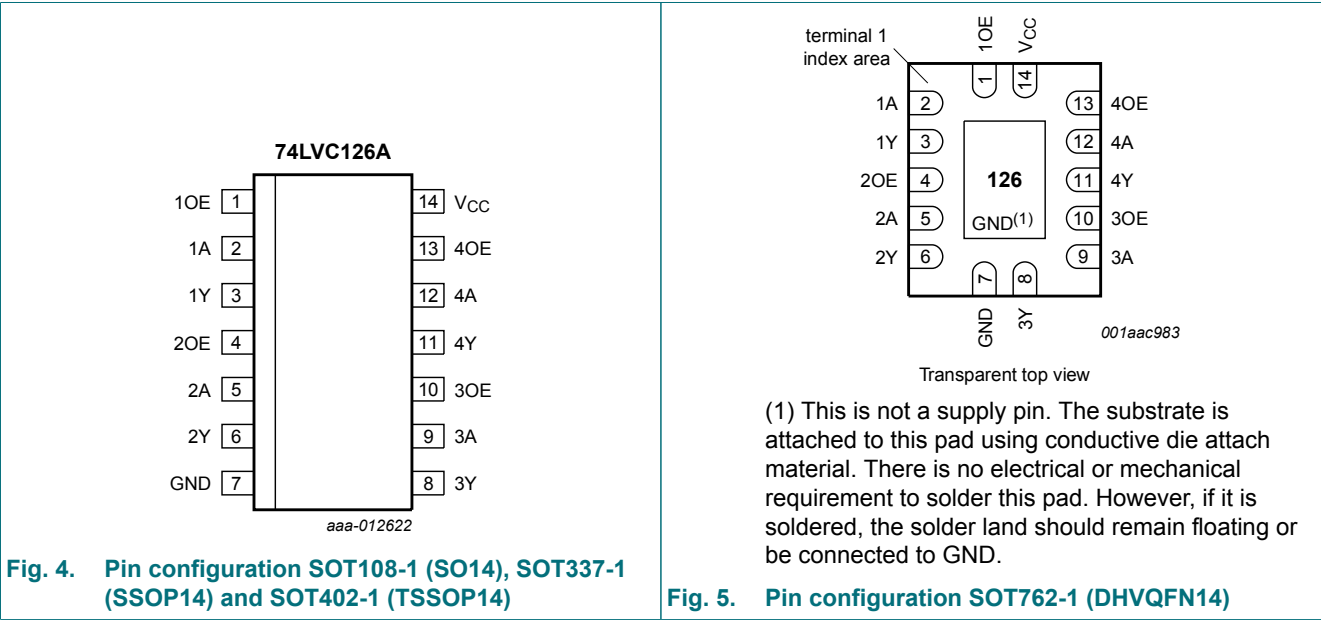
| Type number | Package           |          |                                                                                                                              |          |
|-------------|-------------------|----------|------------------------------------------------------------------------------------------------------------------------------|----------|
|             | Temperature range | Name     | Description                                                                                                                  | Version  |
| 74LVC126AD  | -40 °C to +125 °C | SO14     | plastic small outline package; 14 leads; body width 3.9 mm                                                                   | SOT108-1 |
| 74LVC126ADB | -40 °C to +125 °C | SSOP14   | plastic shrink small outline package; 14 leads; body width 5.3 mm                                                            | SOT337-1 |
| 74LVC126APW | -40 °C to +125 °C | TSSOP14  | plastic thin small outline package; 14 leads; body width 4.4 mm                                                              | SOT402-1 |
| 74LVC126ABQ | -40 °C to +125 °C | DHVQFN14 | plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 × 3 × 0.85 mm | SOT762-1 |

4. Functional diagram



5. Pinning information

5.1. Pinning



## 5.2. Pin description

Table 2. Pin description

| Symbol             | Pin          | Description                     |
|--------------------|--------------|---------------------------------|
| 1OE, 2OE, 3OE, 4OE | 1, 4, 10, 13 | data enable input (active HIGH) |
| 1A, 2A, 3A, 4A     | 2, 5, 9, 12  | data input                      |
| 1Y, 2Y, 3Y, 4Y     | 3, 6, 8, 11  | data output                     |
| GND                | 7            | ground (0 V)                    |
| V <sub>CC</sub>    | 14           | supply voltage                  |

## 6. Functional description

Table 3. Function selection

H = HIGH voltage level; L = LOW voltage level; X = don't care; Z = high-impedance OFF-state

| Inputs |    | Output |
|--------|----|--------|
| nOE    | nA | nY     |
| H      | L  | L      |
| H      | H  | H      |
| L      | X  | Z      |

## 7. Limiting values

Table 4. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134).

| Symbol           | Parameter               | Conditions                                               | Min  | Max                   | Unit |
|------------------|-------------------------|----------------------------------------------------------|------|-----------------------|------|
| V <sub>CC</sub>  | supply voltage          |                                                          | -0.5 | +6.5                  | V    |
| I <sub>IK</sub>  | input clamping current  | V <sub>I</sub> < 0 V                                     | -50  | -                     | mA   |
| V <sub>I</sub>   | input voltage           | [1]                                                      | -0.5 | +6.5                  | V    |
| I <sub>OK</sub>  | output clamping current | V <sub>O</sub> > V <sub>CC</sub> or V <sub>O</sub> < 0 V | -    | ±50                   | mA   |
| V <sub>O</sub>   | output voltage          | output HIGH or LOW-state [2]                             | -0.5 | V <sub>CC</sub> + 0.5 | V    |
|                  |                         | output 3-state [2]                                       | -0.5 | +6.5                  | V    |
| I <sub>O</sub>   | output current          | V <sub>O</sub> = 0 V to V <sub>CC</sub>                  | -    | ±50                   | mA   |
| I <sub>CC</sub>  | supply current          |                                                          | -    | 100                   | mA   |
| I <sub>GND</sub> | ground current          |                                                          | -100 | -                     | mA   |
| T <sub>stg</sub> | storage temperature     | [3]                                                      | -65  | +150                  | °C   |
| P <sub>tot</sub> | total power dissipation | T <sub>amb</sub> = -40 °C to +125 °C                     | -    | 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 SO14 packages: above 70 °C the value of P<sub>tot</sub> derates linearly with 8 mW/K.

For (T)SSOP14 packages: above 60 °C the value of P<sub>tot</sub> derates linearly with 5.5 mW/K.

For DHVQFN14 packages: above 60 °C the value of P<sub>tot</sub> derates linearly with 4.5 mW/K.

## 8. Recommended operating conditions

Table 5. Recommended operating conditions

| Symbol           | Parameter                           | Conditions                        | Min  | Typ | Max             | Unit |
|------------------|-------------------------------------|-----------------------------------|------|-----|-----------------|------|
| V <sub>CC</sub>  | supply voltage                      |                                   | 1.65 | -   | 3.6             | V    |
|                  |                                     | functional                        | 1.2  | -   | -               | V    |
| V <sub>I</sub>   | input voltage                       |                                   | 0    | -   | 5.5             | V    |
| V <sub>O</sub>   | output voltage                      | output HIGH or LOW state          | 0    | -   | V <sub>CC</sub> | V    |
|                  |                                     | output 3-state                    | 0    | -   | 5.5             | V    |
| T <sub>amb</sub> | ambient temperature                 | in free air                       | -40  | -   | +125            | °C   |
| Δt/ΔV            | input transition rise and fall rate | V <sub>CC</sub> = 1.65 V to 2.7 V | 0    | -   | 20              | ns/V |
|                  |                                     | V <sub>CC</sub> = 2.7 V to 3.6 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 <sub>IH</sub> | HIGH-level input voltage  | V <sub>CC</sub> = 1.2 V                                     | 1.08                  | -       | -                   | 1.08                  | -                   | V    |
|                 |                           | V <sub>CC</sub> = 1.65 V to 1.95 V                          | 0.65V <sub>CC</sub>   | -       | -                   | 0.65V <sub>CC</sub>   | -                   | V    |
|                 |                           | V <sub>CC</sub> = 2.3 V to 2.7 V                            | 1.7                   | -       | -                   | 1.7                   | -                   | V    |
|                 |                           | V <sub>CC</sub> = 2.7 V to 3.6 V                            | 2.0                   | -       | -                   | 2.0                   | -                   | V    |
| V <sub>IL</sub> | LOW-level input voltage   | V <sub>CC</sub> = 1.2 V                                     | -                     | -       | 0.12                | -                     | 0.12                | V    |
|                 |                           | V <sub>CC</sub> = 1.65 V to 1.95 V                          | -                     | -       | 0.35V <sub>CC</sub> | -                     | 0.35V <sub>CC</sub> | V    |
|                 |                           | V <sub>CC</sub> = 2.3 V to 2.7 V                            | -                     | -       | 0.7                 | -                     | 0.7                 | V    |
|                 |                           | V <sub>CC</sub> = 2.7 V to 3.6 V                            | -                     | -       | 0.8                 | -                     | 0.8                 | V    |
| V <sub>OH</sub> | HIGH-level output voltage | V <sub>I</sub> = V <sub>IH</sub> or V <sub>IL</sub>         |                       |         |                     |                       |                     |      |
|                 |                           | I <sub>O</sub> = -100 μA; V <sub>CC</sub> = 1.65 V to 3.6 V | V <sub>CC</sub> - 0.2 | -       | -                   | V <sub>CC</sub> - 0.3 | -                   | V    |
|                 |                           | I <sub>O</sub> = -4 mA; V <sub>CC</sub> = 1.65 V            | 1.2                   | -       | -                   | 1.05                  | -                   | V    |
|                 |                           | I <sub>O</sub> = -8 mA; V <sub>CC</sub> = 2.3 V             | 1.8                   | -       | -                   | 1.65                  | -                   | V    |
|                 |                           | I <sub>O</sub> = -12 mA; V <sub>CC</sub> = 2.7 V            | 2.2                   | -       | -                   | 2.05                  | -                   | V    |
|                 |                           | I <sub>O</sub> = -18 mA; V <sub>CC</sub> = 3.0 V            | 2.4                   | -       | -                   | 2.25                  | -                   | V    |
|                 |                           | I <sub>O</sub> = -24 mA; V <sub>CC</sub> = 3.0 V            | 2.2                   | -       | -                   | 2.0                   | -                   | V    |
| V <sub>OL</sub> | LOW-level output voltage  | V <sub>I</sub> = V <sub>IH</sub> or V <sub>IL</sub>         |                       |         |                     |                       |                     |      |
|                 |                           | I <sub>O</sub> = 100 μA; V <sub>CC</sub> = 1.65 V to 3.6 V  | -                     | -       | 0.2                 | -                     | 0.3                 | V    |
|                 |                           | I <sub>O</sub> = 4 mA; V <sub>CC</sub> = 1.65 V             | -                     | -       | 0.45                | -                     | 0.65                | V    |
|                 |                           | I <sub>O</sub> = 8 mA; V <sub>CC</sub> = 2.3 V              | -                     | -       | 0.6                 | -                     | 0.8                 | V    |
|                 |                           | I <sub>O</sub> = 12 mA; V <sub>CC</sub> = 2.7 V             | -                     | -       | 0.4                 | -                     | 0.6                 | V    |
|                 |                           | I <sub>O</sub> = 24 mA; V <sub>CC</sub> = 3.0 V             | -                     | -       | 0.55                | -                     | 0.8                 | V    |

## Quad buffer/line driver with 5 V tolerant input/outputs; 3-state

| Symbol          | Parameter                 | Conditions                                                                                                               | -40 °C to +85 °C |           |          | -40 °C to +125 °C |          | Unit          |
|-----------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------|-----------|----------|-------------------|----------|---------------|
|                 |                           |                                                                                                                          | Min              | Typ [1]   | Max      | Min               | Max      |               |
| $I_I$           | input leakage current     | $V_{CC} = 3.6 \text{ V}$ ; $V_I = 5.5 \text{ V}$ or GND                                                                  | -                | $\pm 0.1$ | $\pm 5$  | -                 | $\pm 20$ | $\mu\text{A}$ |
| $I_{OZ}$        | OFF-state output current  | $V_I = V_{IH}$ or $V_{IL}$ ; $V_{CC} = 3.6 \text{ V}$ ; $V_O = 5.5 \text{ V}$ or GND                                     | -                | $\pm 0.1$ | $\pm 5$  | -                 | $\pm 20$ | $\mu\text{A}$ |
| $I_{OFF}$       | power-off leakage current | $V_{CC} = 0 \text{ V}$ ; $V_I$ or $V_O = 5.5 \text{ V}$                                                                  | -                | $\pm 0.1$ | $\pm 10$ | -                 | $\pm 20$ | $\mu\text{A}$ |
| $I_{CC}$        | supply current            | $V_{CC} = 3.6 \text{ V}$ ; $V_I = V_{CC}$ or GND; $I_O = 0 \text{ A}$                                                    | -                | 0.1       | 10       | -                 | 40       | $\mu\text{A}$ |
| $\Delta I_{CC}$ | additional supply current | per input pin;<br>$V_{CC} = 1.65 \text{ V}$ to $3.6 \text{ V}$ ;<br>$V_I = V_{CC} - 0.6 \text{ V}$ ; $I_O = 0 \text{ A}$ | -                | 5         | 500      | -                 | 5000     | $\mu\text{A}$ |
| $C_I$           | input capacitance         | $V_{CC} = 0 \text{ V}$ to $3.6 \text{ V}$ ;<br>$V_I = \text{GND}$ to $V_{CC}$                                            | -                | 4.0       | -        | -                 | -        | pF            |

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

## 10. Dynamic characteristics

**Table 7. Dynamic characteristics**

Voltages are referenced to GND (ground = 0 V). For test circuit see Fig. 8.

| Symbol    | Parameter         | Conditions                                    | -40 °C to +85 °C |         |      | -40 °C to +125 °C |      | Unit |
|-----------|-------------------|-----------------------------------------------|------------------|---------|------|-------------------|------|------|
|           |                   |                                               | Min              | Typ [1] | Max  | Min               | Max  |      |
| $t_{pd}$  | propagation delay | nA to nY; see Fig. 6 [2]                      |                  |         |      |                   |      |      |
|           |                   | $V_{CC} = 1.2 \text{ V}$                      | -                | 11.0    | -    | -                 | -    | ns   |
|           |                   | $V_{CC} = 1.65 \text{ V}$ to $1.95 \text{ V}$ | 1.5              | 5.2     | 10.8 | 1.5               | 12.6 | ns   |
|           |                   | $V_{CC} = 2.3 \text{ V}$ to $2.7 \text{ V}$   | 1.0              | 2.8     | 5.6  | 1.0               | 6.6  | ns   |
|           |                   | $V_{CC} = 2.7 \text{ V}$                      | 1.5              | 2.7     | 5.2  | 1.5               | 6.5  | ns   |
|           |                   | $V_{CC} = 3.0 \text{ V}$ to $3.6 \text{ V}$   | 1.0              | 2.4     | 4.7  | 1.0               | 6.0  | ns   |
| $t_{en}$  | enable time       | nOE to nY; see Fig. 7 [2]                     |                  |         |      |                   |      |      |
|           |                   | $V_{CC} = 1.2 \text{ V}$                      | -                | 15.0    | -    | -                 | -    | ns   |
|           |                   | $V_{CC} = 1.65 \text{ V}$ to $1.95 \text{ V}$ | 2.4              | 6.7     | 12.9 | 2.4               | 15.0 | ns   |
|           |                   | $V_{CC} = 2.3 \text{ V}$ to $2.7 \text{ V}$   | 2.0              | 3.8     | 7.1  | 2.0               | 8.3  | ns   |
|           |                   | $V_{CC} = 2.7 \text{ V}$                      | 1.5              | 3.1     | 6.3  | 1.5               | 8.0  | ns   |
|           |                   | $V_{CC} = 3.0 \text{ V}$ to $3.6 \text{ V}$   | 1.0              | 3.1     | 5.7  | 1.0               | 7.5  | ns   |
| $t_{dis}$ | disable time      | nOE to nY; see Fig. 7 [2]                     |                  |         |      |                   |      |      |
|           |                   | $V_{CC} = 1.2 \text{ V}$                      | -                | 8.0     | -    | -                 | -    | ns   |
|           |                   | $V_{CC} = 1.65 \text{ V}$ to $1.95 \text{ V}$ | 1.0              | 3.3     | 10.0 | 1.0               | 11.5 | ns   |
|           |                   | $V_{CC} = 2.3 \text{ V}$ to $2.7 \text{ V}$   | 0.5              | 1.8     | 5.6  | 0.5               | 6.5  | ns   |
|           |                   | $V_{CC} = 2.7 \text{ V}$                      | 1.5              | 3.4     | 6.7  | 1.5               | 8.5  | ns   |
|           |                   | $V_{CC} = 3.0 \text{ V}$ to $3.6 \text{ V}$   | 1.3              | 2.5     | 6.0  | 1.3               | 7.5  | ns   |

## Quad buffer/line driver with 5 V tolerant input/outputs; 3-state

| Symbol      | Parameter                     | Conditions                                    | -40 °C to +85 °C |         |     | -40 °C to +125 °C |     | Unit |
|-------------|-------------------------------|-----------------------------------------------|------------------|---------|-----|-------------------|-----|------|
|             |                               |                                               | Min              | Typ [1] | Max | Min               | Max |      |
| $t_{sk(o)}$ | output skew time              | $V_{CC} = 3.0\text{ V to }3.6\text{ V}$ [3]   | -                | -       | 1.0 | -                 | 1.5 | ns   |
| $C_{PD}$    | power dissipation capacitance | per buffer; $V_I = \text{GND to } V_{CC}$ [4] |                  |         |     |                   |     |      |
|             |                               | $V_{CC} = 1.65\text{ V to }1.95\text{ V}$     | -                | 6.0     | -   | -                 | -   | pF   |
|             |                               | $V_{CC} = 2.3\text{ V to }2.7\text{ V}$       | -                | 9.3     | -   | -                 | -   | pF   |
|             |                               | $V_{CC} = 3.0\text{ V to }3.6\text{ V}$       | -                | 12.2    | -   | -                 | -   | pF   |

[1] Typical values are measured at  $T_{amb} = 25\text{ °C}$  and  $V_{CC} = 1.2\text{ V}, 1.8\text{ V}, 2.5\text{ V}, 2.7\text{ V}$ , and  $3.3\text{ V}$  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  $\mu\text{W}$ ).

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

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

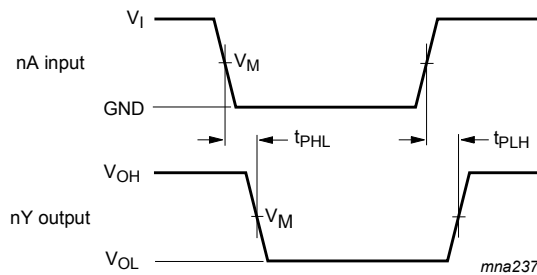
$C_L$  = output load capacitance in pF

$V_{CC}$  = supply voltage in Volts

$N$  = number of inputs switching

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

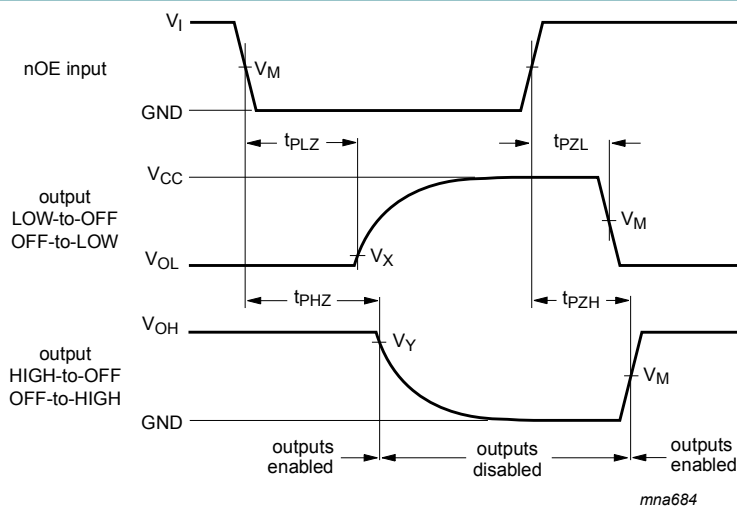
## 10.1. Waveforms and test circuit



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

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

**Fig. 6. The input nA to output nY propagation delays**



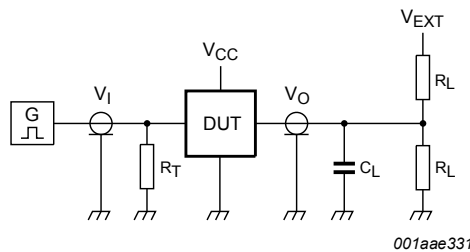
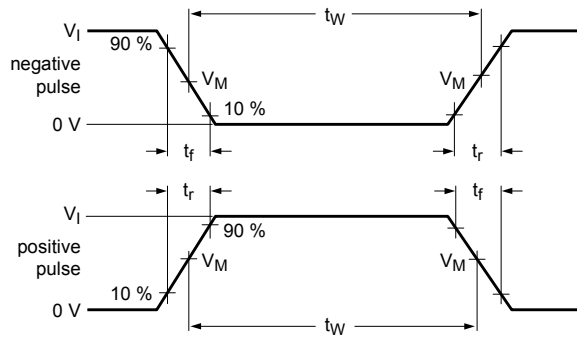
Measurement points are given in [Table 8](#).

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

**Fig. 7. 3-state enable and disable times**

Table 8. Measurement points

| Supply voltage             | Input               | Output              |                          |                          |
|----------------------------|---------------------|---------------------|--------------------------|--------------------------|
| $V_{CC}$                   | $V_M$               | $V_M$               | $V_X$                    | $V_Y$                    |
| $V_{CC} < 2.7\text{ V}$    | $0.5 \times V_{CC}$ | $0.5 \times V_{CC}$ | $V_{OL} + 0.15\text{ V}$ | $V_{OH} - 0.15\text{ V}$ |
| $V_{CC} \geq 2.7\text{ V}$ | 1.5 V               | 1.5 V               | $V_{OL} + 0.3\text{ V}$  | $V_{OH} - 0.3\text{ V}$  |



001aae331

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. 8. 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            | $V_{CC}$ | $\leq 2\text{ ns}$   | 30 pF | 1 k $\Omega$ | open               | $2 \times V_{CC}$  | GND                |
| 1.65 V to 1.95 V | $V_{CC}$ | $\leq 2\text{ ns}$   | 30 pF | 1 k $\Omega$ | open               | $2 \times V_{CC}$  | GND                |
| 2.3 V to 2.7 V   | $V_{CC}$ | $\leq 2\text{ ns}$   | 30 pF | 500 $\Omega$ | open               | $2 \times V_{CC}$  | GND                |
| 2.7 V            | 2.7 V    | $\leq 2.5\text{ ns}$ | 50 pF | 500 $\Omega$ | open               | $2 \times V_{CC}$  | GND                |
| 3.0 V to 3.6 V   | 2.7 V    | $\leq 2.5\text{ ns}$ | 50 pF | 500 $\Omega$ | open               | $2 \times V_{CC}$  | GND                |

11. Package outline

SO14: plastic small outline package; 14 leads; body width 3.9 mm

SOT108-1

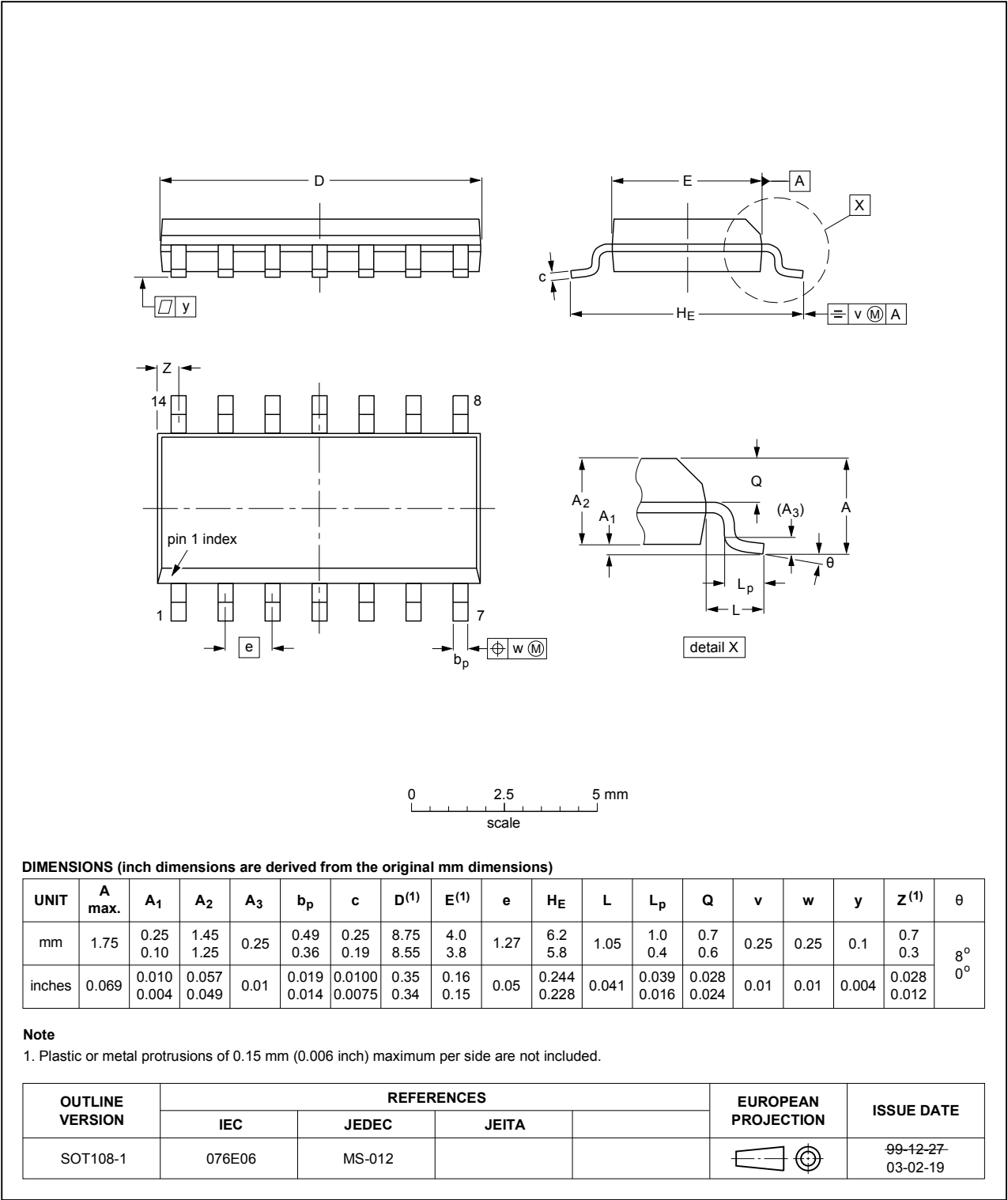


Fig. 9. Package outline SOT108-1 (SO14)

SSOP14: plastic shrink small outline package; 14 leads; body width 5.3 mm

SOT337-1

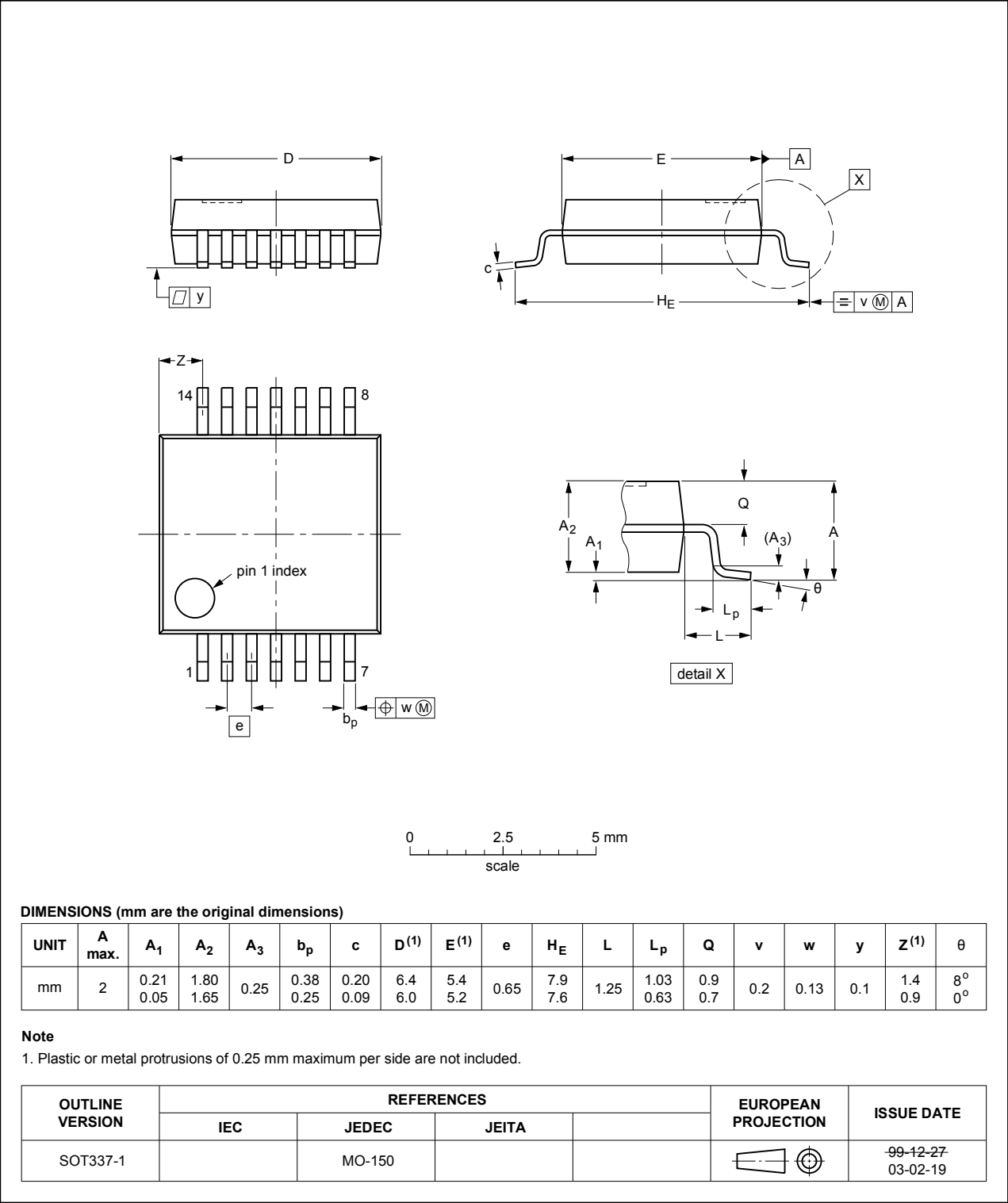


Fig. 10. Package outline SOT337-1 (SSOP14)

TSSOP14: plastic thin shrink small outline package; 14 leads; body width 4.4 mm

SOT402-1

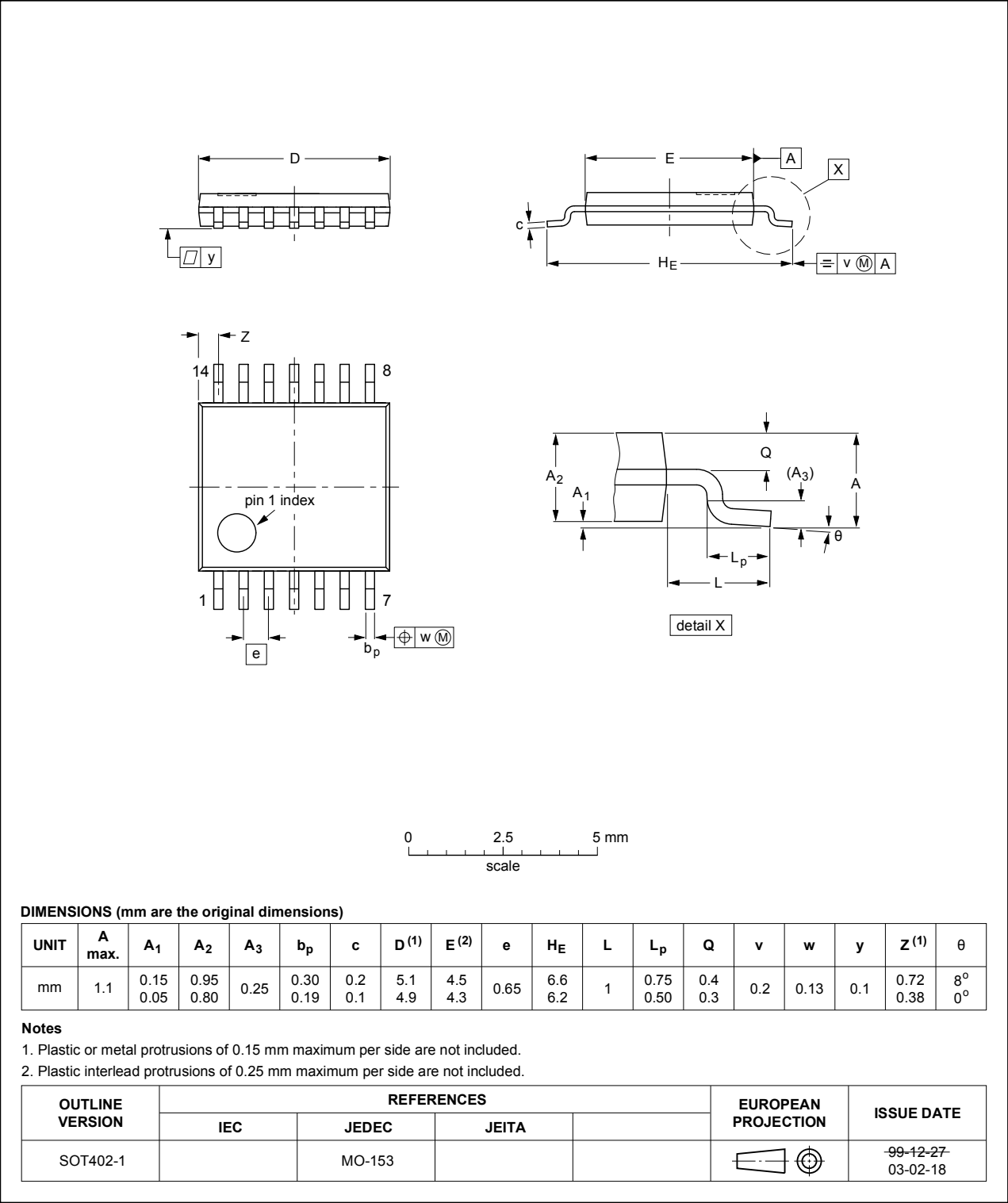
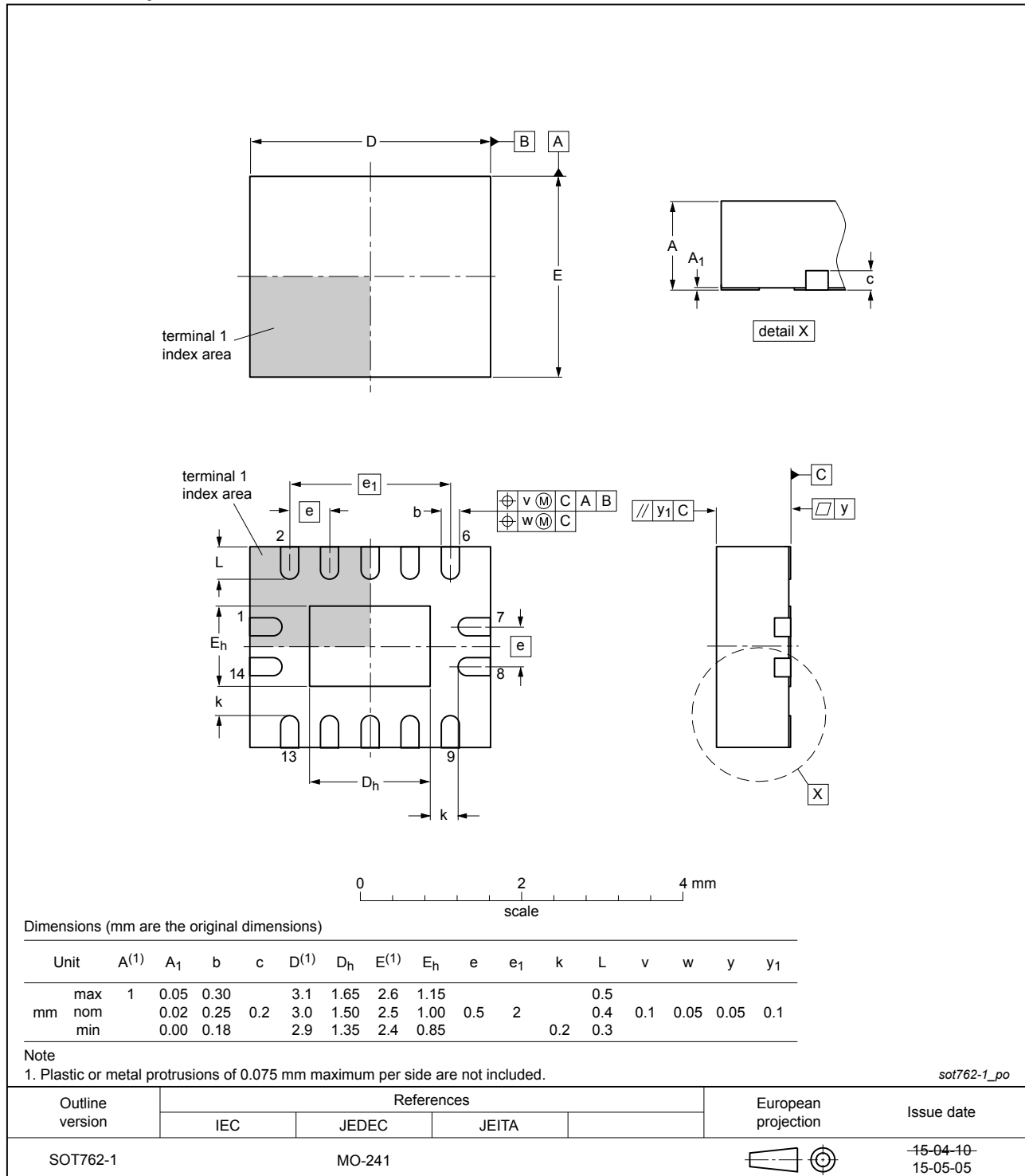


Fig. 11. Package outline SOT402-1 (TSSOP14)

**DHVQFN14: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 x 3 x 0.85 mm**

**SOT762-1**



**Fig. 12. Package outline SOT762-1 (DHVQFN14)**

## 12. Abbreviations

Table 10. Abbreviations

| Acronym | Description                             |
|---------|-----------------------------------------|
| CDM     | Charged Device Model                    |
| CMOS    | Complementary Metal-Oxide Semiconductor |
| DUT     | Device Under Test                       |
| ESD     | ElectroStatic Discharge                 |
| HBM     | Human Body Model                        |
| MM      | Machine Model                           |
| TTL     | Transistor-Transistor Logic             |

## 13. Revision history

Table 11. Revision history

| Document ID    | Release date                                                                                                                                                                                                                              | Data sheet status     | Change notice | Supersedes    |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|---------------|
| 74LVC126A v.9  | 20180821                                                                                                                                                                                                                                  | Product data sheet    | -             | 74LVC126A v.8 |
| Modifications: | <ul style="list-style-type: none"> <li>The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia.</li> <li>Legal texts have been adapted to the new company name where appropriate.</li> </ul> |                       |               |               |
| 74LVC126A v.8  | 20140408                                                                                                                                                                                                                                  | Product data sheet    | -             | 74LVC126A v.7 |
| Modifications: | <ul style="list-style-type: none"> <li>Legal pages updated.</li> </ul>                                                                                                                                                                    |                       |               |               |
| 74LVC126A v.7  | 20111209                                                                                                                                                                                                                                  | Product data sheet    | -             | 74LVC126A v.6 |
| Modifications: | <ul style="list-style-type: none"> <li>Legal pages updated.</li> </ul>                                                                                                                                                                    |                       |               |               |
| 74LVC126A v.6  | 20110926                                                                                                                                                                                                                                  | Product data sheet    | -             | 74LVC126A v.5 |
| 74LVC126A v.5  | 20030228                                                                                                                                                                                                                                  | Product specification | -             | 74LVC126A v.4 |
| 74LVC126A v.4  | 20020308                                                                                                                                                                                                                                  | Product specification | -             | 74LVC126A v.3 |
| 74LVC126A v.3  | 19980428                                                                                                                                                                                                                                  | Product specification | -             | 74LVC126A v.2 |
| 74LVC126A v.2  | 19970801                                                                                                                                                                                                                                  | Product specification | -             | 74LVC126A v.1 |
| 74LVC126A v.1  | 19961226                                                                                                                                                                                                                                  | Product specification | -             | -             |

## 14. Legal information

### Data sheet status

| Document status<br>[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".
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