

# 74LVC2G34

Dual buffer gate

Rev. 13 — 22 August 2023

Product data sheet

## 1. General description

The 74LVC2G34 is a dual buffer. Inputs can be driven from either 3.3 V or 5 V devices. This feature allows the use of these devices as translators in mixed 3.3 V and 5 V environments.

Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times.

This device is fully specified for partial power down applications using  $I_{OFF}$ . The  $I_{OFF}$  circuitry disables the output, preventing the potentially damaging backflow current through the device when it is powered down.

## 2. Features and benefits

- Wide supply voltage range from 1.65 V to 5.5 V
- Overvoltage tolerant inputs to 5.5 V
- High noise immunity
- $\pm 24$  mA output drive ( $V_{CC} = 3.0$  V)
- CMOS low power dissipation
- $I_{OFF}$  provides partial Power-down mode operation
- Direct interface with TTL levels
- Latch-up performance exceeds 250 mA
- Complies with JEDEC standard:
  - JESD8-7 (1.65 V to 1.95 V)
  - JESD8-5 (2.3 V to 2.7 V)
  - JESD8C (2.7 V to 3.6 V)
  - JESD36 (4.5 V to 5.5 V)
- ESD protection:
  - HBM: ANSI/ESDA/JEDEC JS-001 class 2 exceeds 2000 V
  - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
- Multiple package options
- 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                   |
| <a href="#">74LVC2G34GW</a> | -40 °C to +125 °C | TSSOP6       | plastic thin shrink small outline package; 6 leads; body width 1.25 mm                                         | <a href="#">SOT363-2</a>  |
| <a href="#">74LVC2G34GV</a> | -40 °C to +125 °C | SC-74; TSOP6 | plastic surface-mounted package; 6 leads                                                                       | <a href="#">SOT457</a>    |
| <a href="#">74LVC2G34GM</a> | -40 °C to +125 °C | XSON6        | plastic extremely thin small outline package; no leads; 6 terminals; body 1 × 1.45 × 0.5 mm                    | <a href="#">SOT886</a>    |
| <a href="#">74LVC2G34GN</a> | -40 °C to +125 °C | XSON6        | extremely thin small outline package; no leads; 6 terminals; body 0.9 × 1.0 × 0.35 mm                          | <a href="#">SOT1115</a>   |
| <a href="#">74LVC2G34GS</a> | -40 °C to +125 °C | XSON6        | extremely thin small outline package; no leads; 6 terminals; body 1.0 × 1.0 × 0.35 mm                          | <a href="#">SOT1202</a>   |
| <a href="#">74LVC2G34GX</a> | -40 °C to +125 °C | X2SON6       | plastic thermal enhanced extremely thin small outline package; no leads; 6 terminals; body 1.0 × 0.8 × 0.32 mm | <a href="#">SOT1255-2</a> |

4. Marking

Table 2. Marking

| Type number | Marking code[1] |
|-------------|-----------------|
| 74LVC2G34GW | YA              |
| 74LVC2G34GV | Y34             |
| 74LVC2G34GM | YA              |
| 74LVC2G34GN | YA              |
| 74LVC2G34GS | YA              |
| 74LVC2G34GX | YA              |

[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram

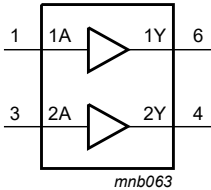


Fig. 1. Logic symbol

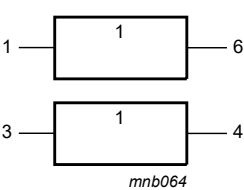


Fig. 2. IEC logic symbol

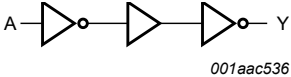


Fig. 3. Logic diagram (one gate)

6. Pinning information

6.1. Pinning

74LVC2G34

1A 1 6 1Y

GND 2 5 V<sub>CC</sub>

2A 3 4 2Y

001aab676

74LVC2G34

1A 1 6 1Y

GND 2 5 V<sub>CC</sub>

2A 3 4 2Y

001aab677

Transparent top view

74LVC2G34

1A 1 6 1Y

GND 2 5 V<sub>CC</sub>

2A 3 4 2Y

001aag030

Transparent top view

74LVC2G34

1A 1 6 1Y

GND 2 5 V<sub>CC</sub>

2A 3 4 2Y

aaa-021911

Transparent top view

**Fig. 4. Pin configuration SOT363-2 (TSSOP6) and SOT457 (SC-74; TSOP6)**

**Fig. 5. Pin configuration SOT886 (XSON6)**

**Fig. 6. Pin configuration SOT1115 and SOT1202 (XSON6)**

**Fig. 7. Pin configuration SOT1255-2 (X2SON6)**

6.2. Pin description

Table 3. Pin description

| Symbol          | Pin | Description    |
|-----------------|-----|----------------|
| 1A              | 1   | data input     |
| GND             | 2   | ground (0 V)   |
| 2A              | 3   | data input     |
| 2Y              | 4   | data output    |
| V <sub>CC</sub> | 5   | supply voltage |
| 1Y              | 6   | data output    |

7. Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level.

| Input | Output |
|-------|--------|
| nA    | nY     |
| L     | L      |
| H     | H      |

## 8. Limiting values

**Table 5. 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  | $V_I < 0$ V                     | -50  | -              | mA   |
| $V_I$     | input voltage           |                                 | -0.5 | +6.5           | V    |
| $I_{OK}$  | output clamping current | $V_O > V_{CC}$ or $V_O < 0$ V   | -    | $\pm 50$       | mA   |
| $V_O$     | output voltage          | Active mode                     | -0.5 | $V_{CC} + 0.5$ | V    |
|           |                         | Power-down mode; $V_{CC} = 0$ V | -0.5 | +6.5           | V    |
| $I_O$     | output current          | $V_O = 0$ V to $V_{CC}$         | -    | $\pm 50$       | mA   |
| $I_{CC}$  | supply current          |                                 | -    | 100            | mA   |
| $I_{GND}$ | ground current          |                                 | -100 | -              | mA   |
| $P_{tot}$ | total power dissipation | $T_{amb} = -40$ °C to $+125$ °C | -    | 250            | mW   |
| $T_{stg}$ | storage temperature     |                                 | -65  | +150           | °C   |

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

[2] For SOT363-2 (TSSOP6) package:  $P_{tot}$  derates linearly with 3.7 mW/K above 83 °C.

For SOT457 (SC-74; TSOP6) package:  $P_{tot}$  derates linearly with 4.1 mW/K above 89 °C.

For SOT886 (XSON6) package:  $P_{tot}$  derates linearly with 3.3 mW/K above 74 °C.

For SOT1115 (XSON6) package:  $P_{tot}$  derates linearly with 3.2 mW/K above 71 °C.

For SOT1202 (XSON6) package:  $P_{tot}$  derates linearly with 3.3 mW/K above 74 °C.

For SOT1255-2 (X2SON6) package:  $P_{tot}$  derates linearly with 3.3 mW/K above 75 °C.

## 9. Recommended operating conditions

**Table 6. Recommended operating conditions**

| Symbol              | Parameter                           | Conditions                      | Min  | Typ | Max      | Unit |
|---------------------|-------------------------------------|---------------------------------|------|-----|----------|------|
| $V_{CC}$            | supply voltage                      |                                 | 1.65 | -   | 5.5      | V    |
| $V_I$               | input voltage                       |                                 | 0    | -   | 5.5      | V    |
| $V_O$               | output voltage                      | Active mode                     | 0    | -   | $V_{CC}$ | V    |
|                     |                                     | Power-down mode; $V_{CC} = 0$ V | 0    | -   | 5.5      | V    |
| $T_{amb}$           | ambient temperature                 |                                 | -40  | -   | +125     | °C   |
| $\Delta t/\Delta V$ | input transition rise and fall rate | $V_{CC} = 1.65$ V to $2.7$ V    | -    | -   | 20       | ns/V |
|                     |                                     | $V_{CC} = 2.7$ V to $5.5$ V     | -    | -   | 10       | ns/V |

## 10. Static characteristics

**Table 7. 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> = 1.65 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>CC</sub> = 4.5 V to 5.5 V                                                                             | 0.7V <sub>CC</sub>    | -       | -                   | 0.7V <sub>CC</sub>    | -                   | V    |
| V <sub>IL</sub>  | LOW-level input voltage   | 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>CC</sub> = 4.5 V to 5.5 V                                                                             | -                     | -       | 0.3V <sub>CC</sub>  | -                     | 0.3V <sub>CC</sub>  | 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;<br>V <sub>CC</sub> = 1.65 V to 5.5 V                                               | V <sub>CC</sub> - 0.1 | -       | -                   | V <sub>CC</sub> - 0.1 | -                   | V    |
|                  |                           | I <sub>O</sub> = -4 mA; V <sub>CC</sub> = 1.65 V                                                             | 1.2                   | -       | -                   | 0.95                  | -                   | V    |
|                  |                           | I <sub>O</sub> = -8 mA; V <sub>CC</sub> = 2.3 V                                                              | 1.9                   | -       | -                   | 1.7                   | -                   | V    |
|                  |                           | I <sub>O</sub> = -12 mA; V <sub>CC</sub> = 2.7 V                                                             | 2.2                   | -       | -                   | 1.9                   | -                   | V    |
|                  |                           | I <sub>O</sub> = -24 mA; V <sub>CC</sub> = 3.0 V                                                             | 2.3                   | -       | -                   | 2.0                   | -                   | V    |
|                  |                           | I <sub>O</sub> = -32 mA; V <sub>CC</sub> = 4.5 V                                                             | 3.8                   | -       | -                   | 3.4                   | -                   | 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;<br>V <sub>CC</sub> = 1.65 V to 5.5 V                                                | -                     | -       | 0.10                | -                     | 0.10                | V    |
|                  |                           | I <sub>O</sub> = 4 mA; V <sub>CC</sub> = 1.65 V                                                              | -                     | -       | 0.45                | -                     | 0.70                | V    |
|                  |                           | I <sub>O</sub> = 8 mA; V <sub>CC</sub> = 2.3 V                                                               | -                     | -       | 0.30                | -                     | 0.45                | V    |
|                  |                           | I <sub>O</sub> = 12 mA; V <sub>CC</sub> = 2.7 V                                                              | -                     | -       | 0.40                | -                     | 0.60                | V    |
|                  |                           | I <sub>O</sub> = 24 mA; V <sub>CC</sub> = 3.0 V                                                              | -                     | -       | 0.55                | -                     | 0.80                | V    |
|                  |                           | I <sub>O</sub> = 32 mA; V <sub>CC</sub> = 4.5 V                                                              | -                     | -       | 0.55                | -                     | 0.80                | V    |
| I <sub>I</sub>   | input leakage current     | V <sub>I</sub> = 5.5 V or GND;<br>V <sub>CC</sub> = 0 V to 5.5 V                                             | -                     | ±0.1    | ±1                  | -                     | ±1                  | µA   |
| I <sub>OFF</sub> | power-off leakage current | V <sub>CC</sub> = 0 V; V <sub>I</sub> or V <sub>O</sub> = 5.5 V                                              | -                     | ±0.1    | ±2                  | -                     | ±2                  | µA   |
| I <sub>CC</sub>  | supply current            | V <sub>I</sub> = 5.5 V or GND; I <sub>O</sub> = 0 A;<br>V <sub>CC</sub> = 1.65 V to 5.5 V                    | -                     | 0.1     | 4                   | -                     | 4                   | µA   |
| ΔI <sub>CC</sub> | additional supply current | per pin; V <sub>CC</sub> = 2.3 V to 5.5 V;<br>V <sub>I</sub> = V <sub>CC</sub> - 0.6 V; I <sub>O</sub> = 0 A | -                     | 5       | 500                 | -                     | 500                 | µA   |
| C <sub>I</sub>   | input capacitance         | V <sub>CC</sub> = 3.3 V; V <sub>I</sub> = GND to V <sub>CC</sub>                                             | -                     | 2.5     | -                   | -                     | -                   | pF   |

[1] All typical values are measured at V<sub>CC</sub> = 3.3 V and T<sub>amb</sub> = 25 °C.

11. Dynamic characteristics

**Table 8. Dynamic characteristics**  
 Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 9.

| Symbol          | Parameter                     | Conditions                                                            | -40 °C to +85 °C |        |     | -40 °C to +125 °C |      | Unit |
|-----------------|-------------------------------|-----------------------------------------------------------------------|------------------|--------|-----|-------------------|------|------|
|                 |                               |                                                                       | Min              | Typ[1] | Max | Min               | Max  |      |
| t <sub>pd</sub> | propagation delay             | nA to nY; see Fig. 8 [2]                                              |                  |        |     |                   |      |      |
|                 |                               | V <sub>CC</sub> = 1.65 V to 1.95 V                                    | 1.0              | 3.8    | 8.6 | 1.0               | 10.8 | ns   |
|                 |                               | V <sub>CC</sub> = 2.3 V to 2.7 V                                      | 0.5              | 2.4    | 4.4 | 0.5               | 5.5  | ns   |
|                 |                               | V <sub>CC</sub> = 2.7 V                                               | 0.5              | 2.5    | 5.0 | 0.5               | 6.3  | ns   |
|                 |                               | V <sub>CC</sub> = 3.0 V to 3.6 V                                      | 0.5              | 2.2    | 4.1 | 0.5               | 5.1  | ns   |
|                 |                               | V <sub>CC</sub> = 4.5 V to 5.5 V                                      | 0.5              | 1.9    | 3.2 | 0.5               | 4.0  | ns   |
| C <sub>PD</sub> | power dissipation capacitance | V <sub>I</sub> = GND to V <sub>CC</sub> ; V <sub>CC</sub> = 3.3 V [3] | -                | 20     | -   | -                 | -    | pF   |

- [1] Typical values are measured at T<sub>amb</sub> = 25 °C and V<sub>CC</sub> = 1.8 V, 2.5 V, 2.7 V, 3.3 V and 5.0 V respectively.
- [2] t<sub>pd</sub> is the same as t<sub>PLH</sub> and t<sub>PHL</sub>.
- [3] C<sub>PD</sub> is used to determine the dynamic power dissipation (P<sub>D</sub> in μW).  
 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum (C_L \times V_{CC}^2 \times f_o)$  where:  
 f<sub>i</sub> = input frequency in MHz;  
 f<sub>o</sub> = output frequency in MHz;  
 C<sub>L</sub> = output load capacitance in pF;  
 V<sub>CC</sub> = supply voltage in V;  
 N = number of inputs switching;  
 $\sum (C_L \times V_{CC}^2 \times f_o)$  = sum of outputs.

11.1. Waveform and test circuit

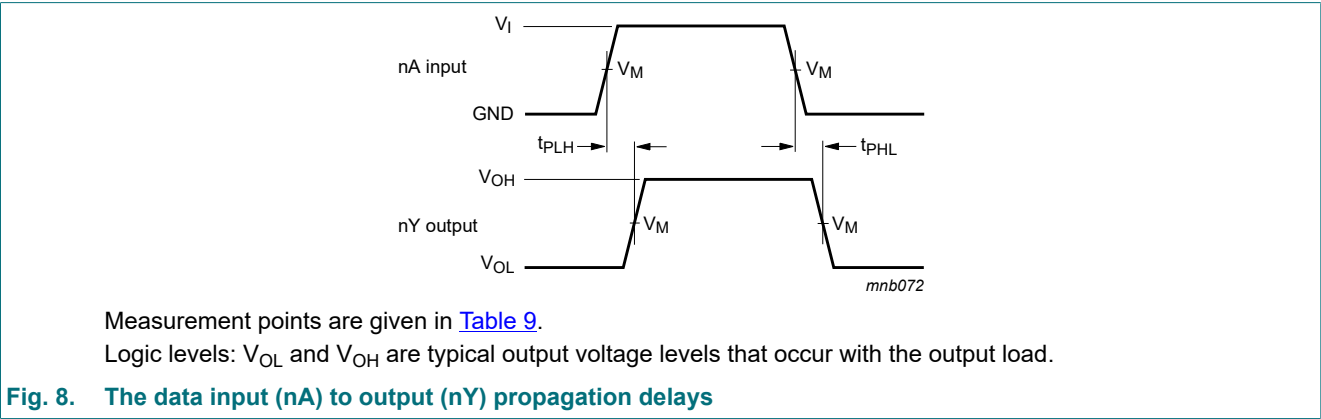
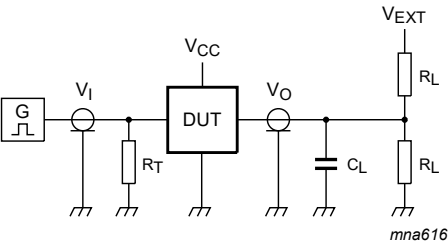


Table 9. Measurement points

| Supply voltage   | Input       | Output      |
|------------------|-------------|-------------|
| $V_{CC}$         | $V_M$       | $V_M$       |
| 1.65 V to 1.95 V | $0.5V_{CC}$ | $0.5V_{CC}$ |
| 2.3 V to 2.7 V   | $0.5V_{CC}$ | $0.5V_{CC}$ |
| 2.7 V            | 1.5 V       | 1.5 V       |
| 3.0 V to 3.6 V   | 1.5 V       | 1.5 V       |
| 4.5 V to 5.5 V   | $0.5V_{CC}$ | $0.5V_{CC}$ |



Test data is given in [Table 10](#).  
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 the output impedance  $Z_o$  of the pulse generator;  
 $V_{EXT}$  = External voltage for measuring switching times.

Fig. 9. Test circuit for measuring switching times

Table 10. Test data

| Supply voltage   | Input    |               | Load  |              | $V_{EXT}$          |
|------------------|----------|---------------|-------|--------------|--------------------|
| $V_{CC}$         | $V_I$    | $t_r = t_f$   | $C_L$ | $R_L$        | $t_{PLH}, t_{PHL}$ |
| 1.65 V to 1.95 V | $V_{CC}$ | $\leq 2.0$ ns | 30 pF | 1 k $\Omega$ | open               |
| 2.3 V to 2.7 V   | $V_{CC}$ | $\leq 2.0$ ns | 30 pF | 500 $\Omega$ | open               |
| 2.7 V            | 2.7 V    | $\leq 2.5$ ns | 50 pF | 500 $\Omega$ | open               |
| 3.0 V to 3.6 V   | 2.7 V    | $\leq 2.5$ ns | 50 pF | 500 $\Omega$ | open               |
| 4.5 V to 5.5 V   | $V_{CC}$ | $\leq 2.5$ ns | 50 pF | 500 $\Omega$ | open               |

12. Package outline

TSSOP6: plastic thin shrink small outline package; 6 leads; body width 1.25 mm

SOT363-2

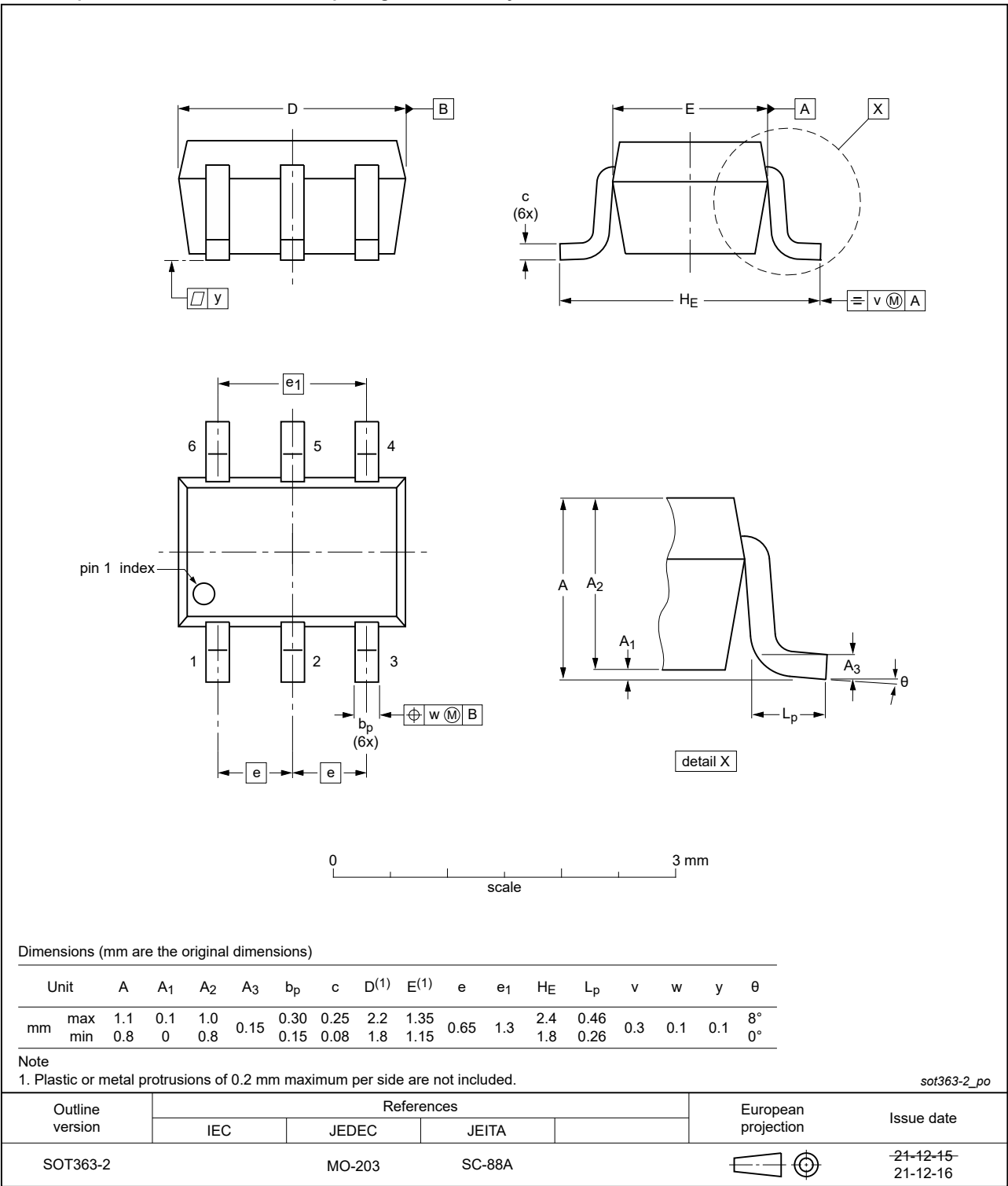


Fig. 10. Package outline SOT363-2 (TSSOP6)

Plastic, surface-mounted package (SC-74; TSOP6); 6 leads

SOT457

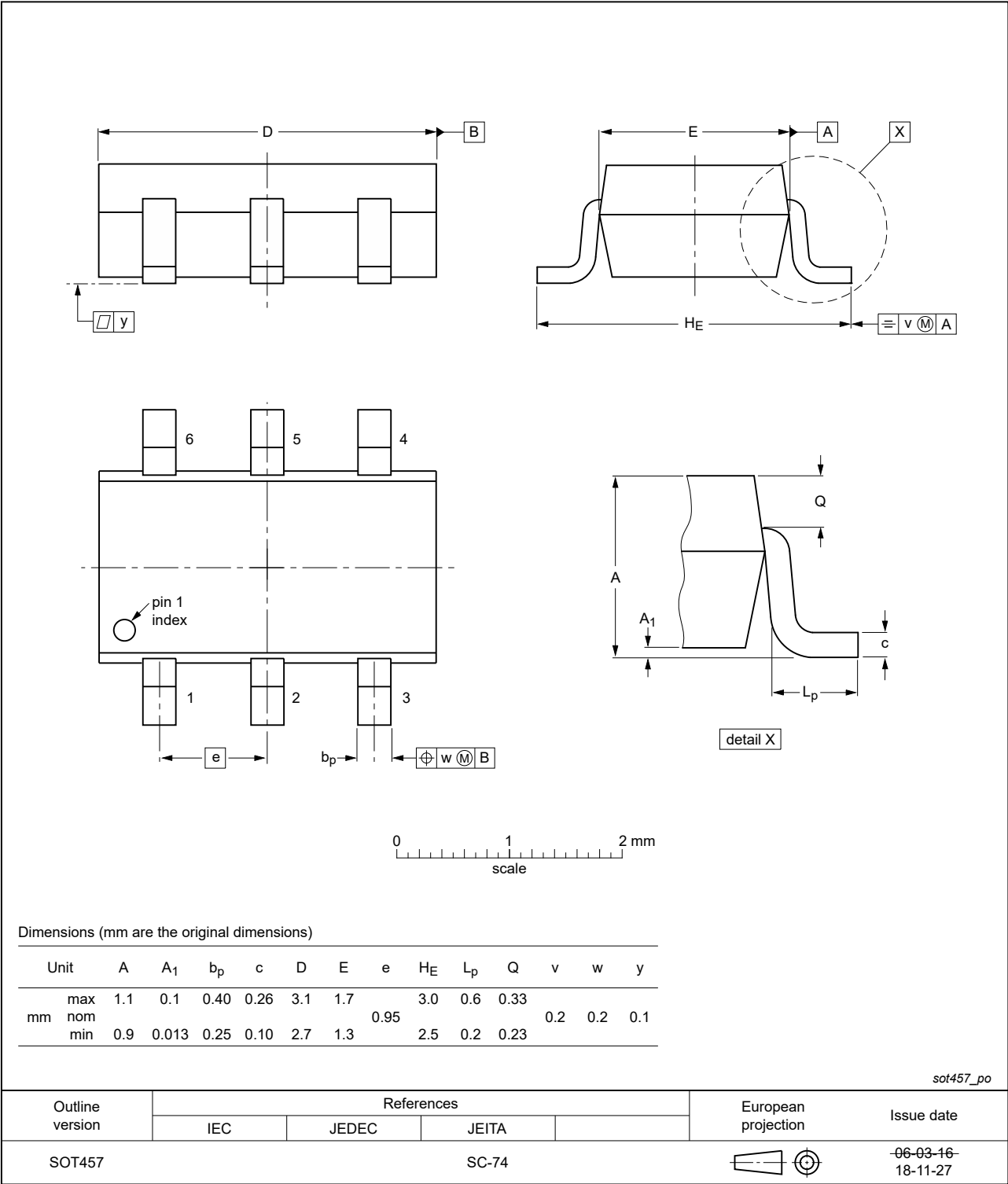


Fig. 11. Package outline SOT457 (SC-74; TSOP6)

XSON6: plastic extremely thin small outline package; no leads; 6 terminals; body 1 x 1.45 x 0.5 mm

SOT886

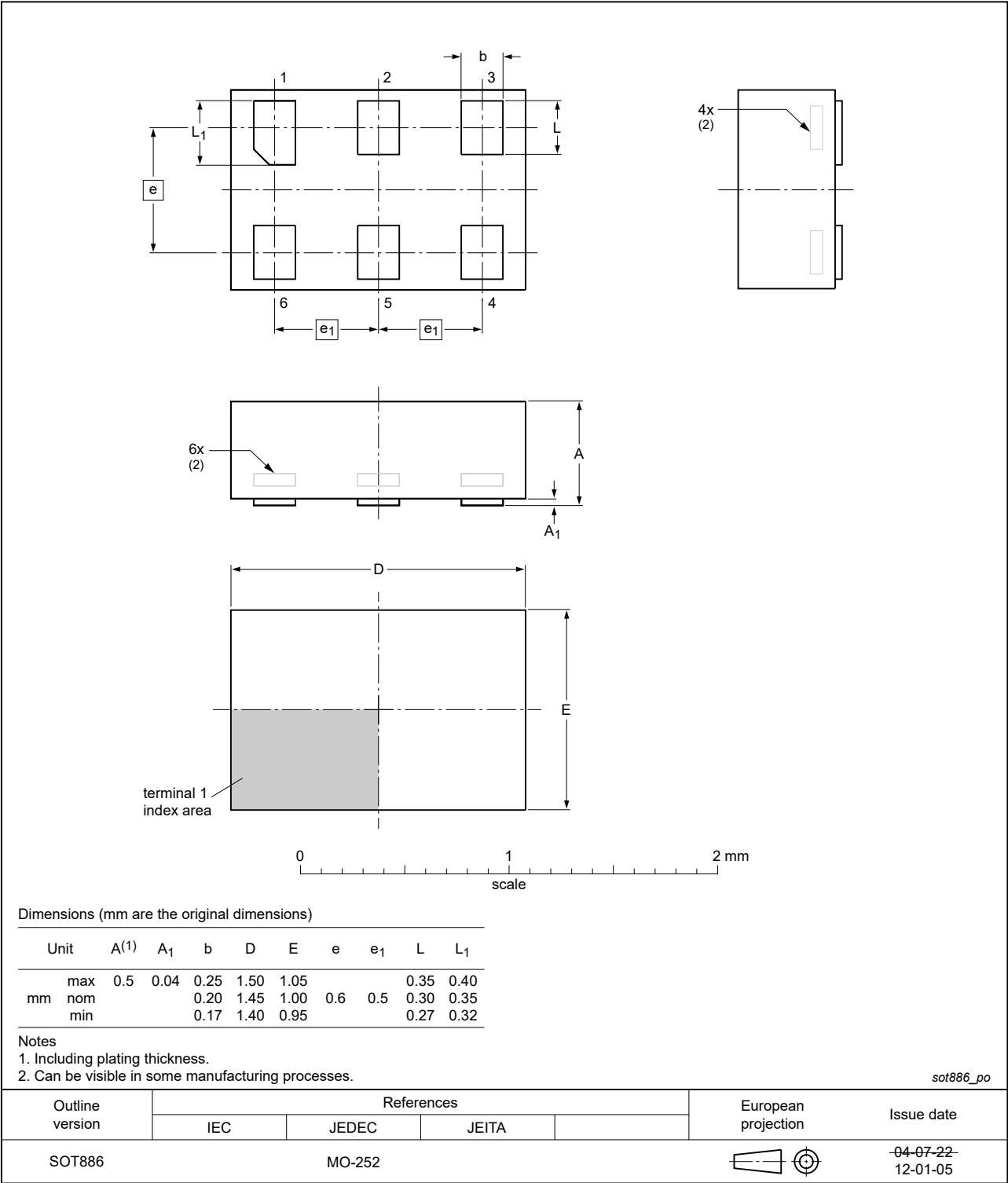


Fig. 12. Package outline SOT886 (XSON6)

XSON6: extremely thin small outline package; no leads;  
6 terminals; body 0.9 x 1.0 x 0.35 mm

SOT1115

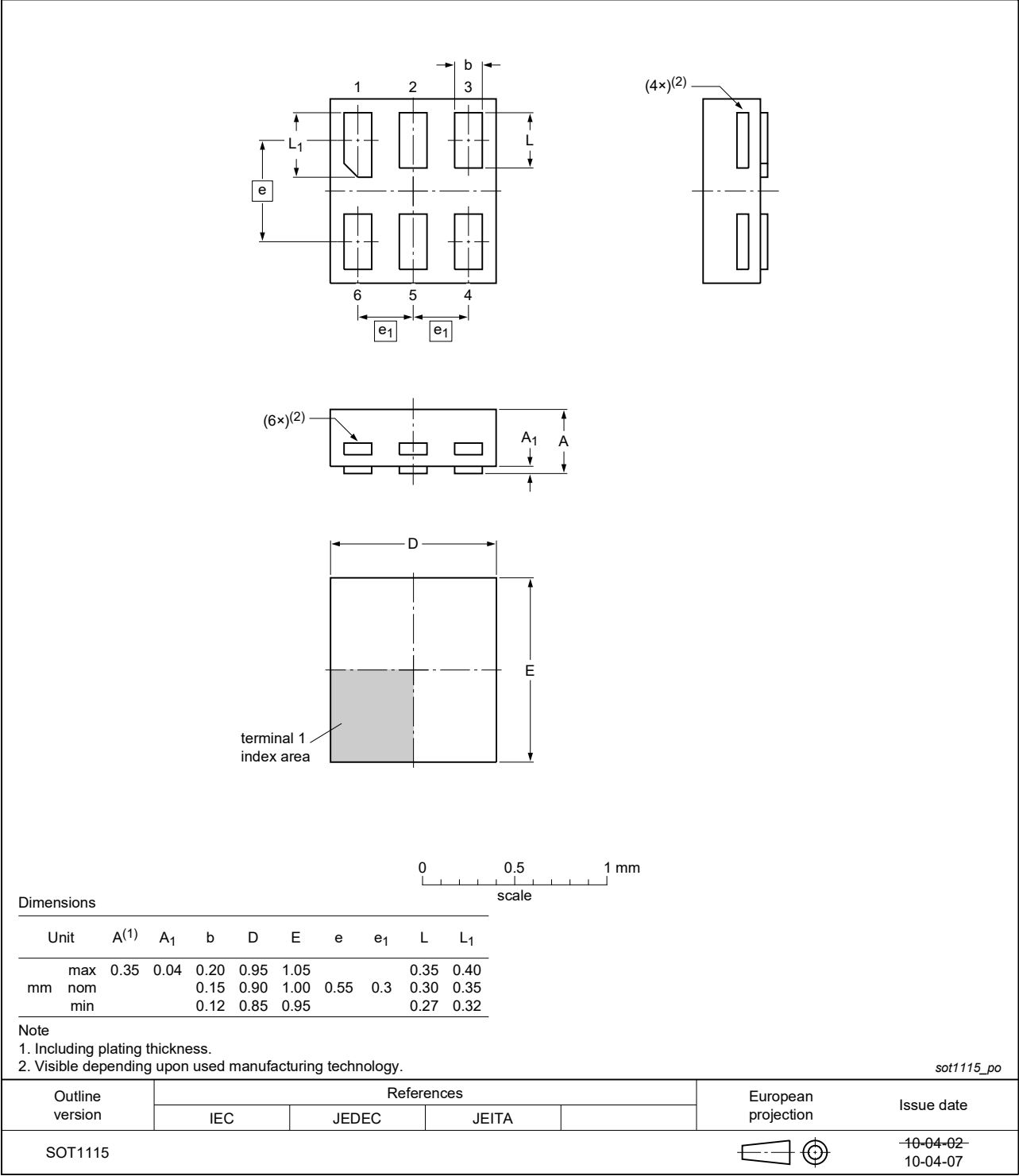
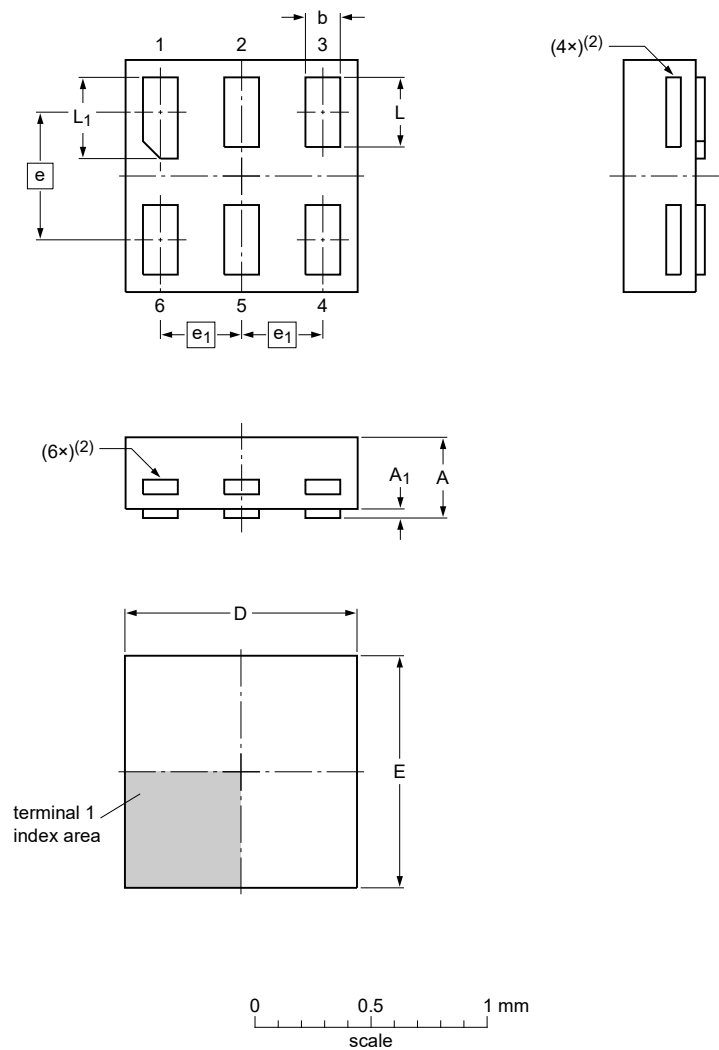


Fig. 13. Package outline SOT1115 (XSON6)

XSON6: extremely thin small outline package; no leads;  
6 terminals; body 1.0 x 1.0 x 0.35 mm

SOT1202



Dimensions

| Unit | A <sup>(1)</sup> | A <sub>1</sub> | b    | D    | E    | e    | e <sub>1</sub> | L    | L <sub>1</sub> |
|------|------------------|----------------|------|------|------|------|----------------|------|----------------|
| mm   | max              | 0.35           | 0.04 | 0.20 | 1.05 | 1.05 |                | 0.35 | 0.40           |
|      | nom              |                |      | 0.15 | 1.00 | 1.00 | 0.55           | 0.30 | 0.35           |
|      | min              |                |      | 0.12 | 0.95 | 0.95 |                | 0.27 | 0.32           |

Note

- 1. Including plating thickness.
- 2. Visible depending upon used manufacturing technology.

sot1202\_po

| Outline version | References |       |       |  | European projection                                                                   | Issue date                      |
|-----------------|------------|-------|-------|--|---------------------------------------------------------------------------------------|---------------------------------|
|                 | IEC        | JEDEC | JEITA |  |                                                                                       |                                 |
| SOT1202         |            |       |       |  |  | <del>10-04-02</del><br>10-04-06 |

Fig. 14. Package outline SOT1202 (XSON6)

X2SON6: plastic thermal enhanced extremely thin small outline package; no leads;  
6 terminals; body 1.0 x 0.8 x 0.32 mm

SOT1255-2

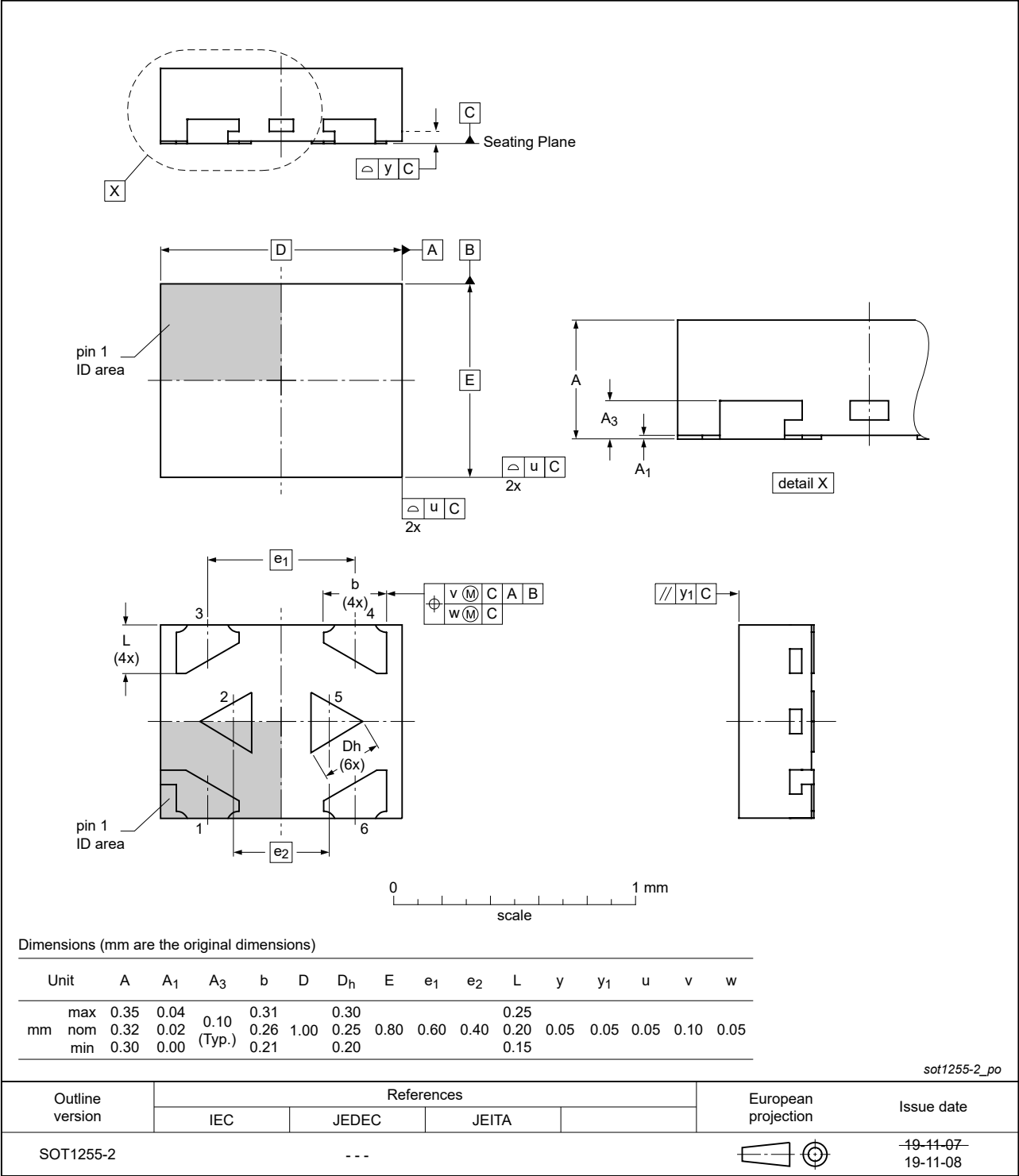


Fig. 15. Package outline SOT1255-2 (X2SON6)

13. Abbreviations

Table 11. Abbreviations

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

14. Revision history

Table 12. Revision history

| Document ID    | Release date                                                                                                                                                                                                                                                                                                                                           | Data sheet status     | Change notice | Supersedes     |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|----------------|
| 74LVC2G34 v.13 | 20230822                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.12 |
| Modifications: | <ul style="list-style-type: none"><li><a href="#">Section 2</a>: ESD specification updated according to the latest JEDEC standard.</li></ul>                                                                                                                                                                                                           |                       |               |                |
| 74LVC2G34 v.12 | 20220120                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.11 |
| Modifications: | <ul style="list-style-type: none"><li>Package SOT363 (SC-88) changed to SOT363-2 (TSSOP6).</li></ul>                                                                                                                                                                                                                                                   |                       |               |                |
| 74LVC2G34 v.11 | 20211007                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.10 |
| Modifications: | <ul style="list-style-type: none"><li><a href="#">Section 1</a> and <a href="#">Section 2</a> updated.</li><li>SOT1255 (X2SON6) package changed to SOT1255-2 (X2SON6) package.</li><li><a href="#">Table 5</a>: Derating values for P<sub>tot</sub> total power dissipation updated.</li><li>Type number 74LVC2G34GF (SOT891/XSON6) removed.</li></ul> |                       |               |                |
| 74LVC2G34 v.10 | 20180223                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.9  |
| 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>                                                                                                                 |                       |               |                |
| 74LVC2G34 v.9  | 20161215                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.8  |
| Modifications: | <ul style="list-style-type: none"><li><a href="#">Table 7</a>: The maximum limits for leakage current and supply current have changed.</li></ul>                                                                                                                                                                                                       |                       |               |                |
| 74LVC2G34 v.8  | 20160210                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.7  |
| Modifications: | <ul style="list-style-type: none"><li>Added type number 74LVC2G34GX (SOT1255/X2SON6).</li></ul>                                                                                                                                                                                                                                                        |                       |               |                |
| 74LVC2G34 v.7  | 20120704                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.6  |
| Modifications: | <ul style="list-style-type: none"><li>Package outline drawing of SOT886 (<a href="#">Fig. 12</a>) modified.</li></ul>                                                                                                                                                                                                                                  |                       |               |                |
| 74LVC2G34 v.6  | 20111129                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.5  |
| Modifications: | <ul style="list-style-type: none"><li>Legal pages updated.</li></ul>                                                                                                                                                                                                                                                                                   |                       |               |                |
| 74LVC2G34 v.5  | 20100902                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.4  |
| 74LVC2G34 v.4  | 20070720                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.3  |
| 74LVC2G34 v.3  | 20070321                                                                                                                                                                                                                                                                                                                                               | Product data sheet    | -             | 74LVC2G34 v.2  |
| 74LVC2G34 v.2  | 20040910                                                                                                                                                                                                                                                                                                                                               | Product specification | -             | 74LVC2G34 v.1  |
| 74LVC2G34 v.1  | 20030725                                                                                                                                                                                                                                                                                                                                               | Product specification | -             | -              |

## 15. Legal information

### 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".
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