74AUP1T17

Low-power buffer with voltage-level translator

Rev. 3 — 25 January 2022

Product data sheet

1. General description

The 74AUP1T17 provides the single buffer function. This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 2.3 V to 3.6 V.

The 74AUP1T17 is designed for logic-level translation applications with input switching levels that accept 1.8 V low-voltage CMOS signals, while operating from either a single 2.5 V or 3.3 V supply voltage.

The wide supply voltage range ensures normal operation as battery voltage drops from $3.6\ V$ to $2.3\ V$.

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

Schmitt trigger inputs make the circuit tolerant to slower input rise and fall times across the entire V_{CC} range.

2. Features and benefits

- Wide supply voltage range from 2.3 V to 3.6 V
- · High noise immunity
- · ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - CDM JESD22-C101E exceeds 1000 V
- Low static power consumption; I_{CC} = 1.5 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II
- Inputs accept voltages up to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial power-down mode operation
- 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 | | | | | |
| 74AUP1T17GW | -40 °C to +125 °C | TSSOP5 | plastic thin shrink small outline package; 5 leads; body width 1.25 mm | SOT353-1 | | | | | |
| 74AUP1T17GX | -40 °C to +125 °C | X2SON5 | plastic thermal enhanced extremely thin small outline package; no leads; 5 terminals; body 0.8 × 0.8 × 0.32 mm | SOT1226-3 | | | | | |



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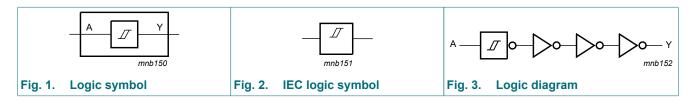
4. Marking

Table 2. Marking

| Type number | Marking code[1] |
|-------------|-----------------|
| 74AUP1T17GW | 57 |
| 74AUP1T17GX | 57 |

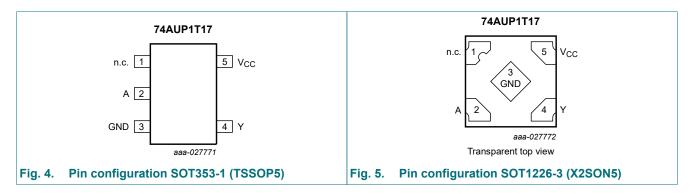
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1. Pinning



6.2. Pin description

Table 3. Pin description

| Symbol | Pin | Description | | |
|-----------------|-----|----------------|--|--|
| n.c. | 1 | not connected | | |
| A | 2 | data input | | |
| GND | 3 | ground (0 V) | | |
| Υ | 4 | data output | | |
| V _{CC} | 5 | supply voltage | | |

Low-power buffer with voltage-level translator

7. Functional description

Table 4. Function table

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

| Input | Output |
|-------|--------|
| Α | Υ |
| L | L |
| Н | Н |

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 | +4.6 | V |
| I _{IK} | input clamping current | V _I < 0 V | | -50 | - | mA |
| VI | input voltage | | [1] | -0.5 | +4.6 | V |
| I _{OK} | output clamping current | V _O < 0 V | | -50 | - | mA |
| Vo | output voltage | Active mode and Power-down mode | [1] | -0.5 | +4.6 | V |
| Io | output current | V _O = 0 V to V _{CC} | | - | ±20 | mA |
| I _{CC} | supply current | | | - | 50 | mA |
| I _{GND} | ground current | | | -50 | - | mA |
| T _{stg} | storage temperature | | | -65 | +150 | °C |
| P _{tot} | total power dissipation | T _{amb} = -40 °C to +125 °C | [2] | - | 250 | mW |

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

9. Recommended operating conditions

Table 6. Recommended operating conditions

| Symbol | Parameter | Conditions | Min | Max | Unit |
|------------------|---------------------|--|-----|-----------------|------|
| V _{CC} | supply voltage | | 2.3 | 3.6 | V |
| VI | input voltage | | 0 | 3.6 | V |
| Vo | output voltage | Active mode | 0 | V _{CC} | V |
| | | Power-down mode; V _{CC} = 0 V | 0 | 3.6 | V |
| T _{amb} | ambient temperature | | -40 | +125 | °C |

^[2] For SOT353-1 (TSSOP5) package: P_{tot} derates linearly with 3.3 mW/K above 74 °C. For SOT1226-3 (X2SON5) package: P_{tot} derates linearly with 3.0 mW/K above 67 °C.

Low-power buffer with voltage-level translator

10. Static characteristics

Table 7. Static characteristics

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

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|----------------------|---|--|-----------------------|-----|------|------|
| T _{amb} = 2 | 5 °C | | | | | |
| V _{T+} | positive-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.16 | V |
| V _{T-} | negative-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.35 | - | 0.60 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.50 | - | 0.85 | V |
| V _H | hysteresis voltage | $(V_{H} = V_{T+} - V_{T-})$ | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.23 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.25 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I _O = -20 μA; V _{CC} = 2.3 V to 3.6 V | V _{CC} - 0.1 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 2.05 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.9 | - | - | V |
| | | I_{O} = -2.7 mA; V_{CC} = 3.0 V | 2.72 | - | - | V |
| | | I_{O} = -4.0 mA; V_{CC} = 3.0 V | 2.6 | - | - | V |
| V _{OL} | LOW-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I_{O} = 20 μ A; V_{CC} = 2.3 V to 3.6 V | - | - | 0.10 | V |
| | | I_{O} = 2.3 mA; V_{CC} = 2.3 V | - | - | 0.31 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.44 | V |
| | | I_{O} = 2.7 mA; V_{CC} = 3.0 V | - | - | 0.31 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.44 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.1 | μΑ |
| l _{OFF} | power-off leakage current | V_{I} or V_{O} = 0 V to 3.6 V; V_{CC} = 0 V | - | - | ±0.1 | μΑ |
| Δl _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.1 | μΑ |
| I _{CC} | supply current | V_{I} = GND or V_{CC} ; I_{O} = 0 A; V_{CC} = 2.3 V to 3.6 V | | - | 1.2 | μΑ |
| Cı | input capacitance | V_{CC} = 0 V to 3.6 V; V_I = GND or V_{CC} | - | 0.8 | - | pF |
| Co | output capacitance | $V_O = GND; V_{CC} = 0 V$ | - | 1.7 | - | pF |

Product data sheet

Low-power buffer with voltage-level translator

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---|---|-----------------------|-----|------|------|
| T _{amb} = -4 | 10 °C to +85 °C | | | | | |
| V _{T+} | positive-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.19 | V |
| V _{T-} | negative-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.35 | - | 0.60 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.50 | - | 0.85 | V |
| V _H | hysteresis voltage | $(V_{H} = V_{T+} - V_{T-})$ | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.10 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.15 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I _O = -20 μA; V _{CC} = 2.3 V to 3.6 V | V _{CC} - 0.1 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 1.97 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.85 | - | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.67 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.55 | - | - | V |
| V _{OL} | LOW-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I _O = 20 μA; V _{CC} = 2.3 V to 3.6 V | - | - | 0.1 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.33 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.45 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.33 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.45 | V |
| l _l | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.5 | μΑ |
| l _{OFF} | power-off leakage current | V_{I} or $V_{O} = 0$ V to 3.6 V; $V_{CC} = 0$ V | - | - | ±0.5 | μΑ |
| Δl _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.5 | μΑ |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 2.3 V to 3.6 V | - | - | 1.5 | μΑ |
| ΔI _{CC} | additional supply current | $V_{CC} = 2.3 \text{ V to } 2.7 \text{ V; } I_{O} = 0 \text{ A}$ [1] | - | - | 0.6 | μΑ |
| | | $V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_{O} = 0 \text{ A}$ [2] | - | - | 10 | μΑ |

Low-power buffer with voltage-level translator

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|---|---|------------------------|-----|-------|------|
| T _{amb} = -4 | 0 °C to +125 °C | | | | 1 | |
| V _{T+} | positive-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.19 | V |
| V _{T-} | negative-going threshold | V _{CC} = 2.3 V to 2.7 V | 0.33 | - | 0.64 | V |
| | voltage | V _{CC} = 3.0 V to 3.6 V | 0.46 | - | 0.85 | V |
| V _H | hysteresis voltage | $(V_{H} = V_{T+} - V_{T-})$ | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.10 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.15 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I_{O} = -20 μ A; V_{CC} = 2.3 V to 3.6 V | V _{CC} - 0.11 | - | - | V |
| | | I_{O} = -2.3 mA; V_{CC} = 2.3 V | 1.77 | - | - | V |
| | | I_{O} = -3.1 mA; V_{CC} = 2.3 V | 1.67 | - | - | V |
| | | I_{O} = -2.7 mA; V_{CC} = 3.0 V | 2.40 | - | - | V |
| | | I_{O} = -4.0 mA; V_{CC} = 3.0 V | 2.30 | - | - | V |
| V _{OL} | LOW-level output voltage | $V_I = V_{T+}$ or V_{T-} | | | | |
| | | I_{O} = 20 μ A; V_{CC} = 2.3 V to 3.6 V | - | - | 0.11 | V |
| | | I_{O} = 2.3 mA; V_{CC} = 2.3 V | - | - | 0.36 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.50 | V |
| | | I_{O} = 2.7 mA; V_{CC} = 3.0 V | - | - | 0.36 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.50 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.75 | μA |
| I _{OFF} | power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V | - | - | ±0.75 | μΑ |
| Δl _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.75 | μA |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 2.3 V to 3.6 V | - | - | 3.5 | μΑ |
| ΔI _{CC} | additional supply current | $V_{CC} = 2.3 \text{ V to } 2.7 \text{ V; } I_O = 0 \text{ A}$ [1] | - | - | 1.8 | μΑ |
| | | $V_{CC} = 3.0 \text{ V to } 3.6 \text{ V; } I_O = 0 \text{ A}$ [2] | - | - | 18 | μΑ |
| | | V() 0.0 V to 0.0 V, 10 = 0 /1 [2] | _ | _ | 10 | |

One input at 0.3 V or 1.1 V, other input at V_{CC} or GND. One input at 0.45 V or 1.2 V, other input at V_{CC} or GND.

Low-power buffer with voltage-level translator

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 7.

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C to | o +85 °C | -40 °C to +125 °C | | Unit |
|-----------------------|------------------------------|-------------------------------|-----|--------|-----|-----------|----------|-------------------|------|------|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| V _{CC} = 2.3 | 3 V to 2.7 V; V _I | = 1.65 V to 1.95 V | | | | | | | | |
| t _{pd} | propagation | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| d | delay | C _L = 5 pF | 2.0 | 3.2 | 4.9 | 0.5 | 6.8 | 0.5 | 7.5 | ns |
| | | C _L = 10 pF | 2.4 | 3.8 | 5.6 | 1.0 | 7.9 | 1.0 | 8.7 | ns |
| | | C _L = 15 pF | 2.7 | 4.3 | 6.1 | 1.0 | 8.7 | 1.0 | 9.6 | ns |
| | | C _L = 30 pF | 3.6 | 5.4 | 7.6 | 1.5 | 10.8 | 1.5 | 11.9 | ns |
| $V_{CC} = 2.3$ | 3 V to 2.7 V; V _I | = 2.3 V to 2.7 V | | | | | | | | |
| t _{pd} | propagation | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| | delay | C _L = 5 pF | 1.6 | 3.1 | 5.0 | 0.5 | 6.0 | 0.5 | 6.6 | ns |
| | | C _L = 10 pF | 2.0 | 3.7 | 5.7 | 1.0 | 7.1 | 1.0 | 7.9 | ns |
| | | C _L = 15 pF | 2.3 | 4.1 | 6.3 | 1.0 | 7.9 | 1.0 | 8.7 | ns |
| | | C _L = 30 pF | 3.2 | 5.3 | 7.8 | 1.5 | 10.0 | 1.5 | 11.0 | ns |
| $V_{CC} = 2.3$ | 3 V to 2.7 V; V _I | = 3.0 V to 3.6 V | | | | | | | | |
| t _{pd} | propagation delay | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| | | C _L = 5 pF | 1.2 | 2.8 | 4.5 | 0.5 | 5.5 | 0.5 | 6.1 | ns |
| | | C _L = 10 pF | 1.7 | 3.4 | 5.1 | 1.0 | 6.5 | 1.0 | 7.2 | ns |
| | | C _L = 15 pF | 2.0 | 3.9 | 5.7 | 1.0 | 7.4 | 1.0 | 8.2 | ns |
| | | C _L = 30 pF | 2.8 | 5.0 | 7.2 | 1.5 | 9.5 | 1.5 | 10.5 | ns |
| $V_{CC} = 3.0$ | 0 V to 3.6 V; V _I | = 1.65 V to 1.95 V | | | | | | | | |
| t_{pd} | propagation | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| | delay | C _L = 5 pF | 1.8 | 2.7 | 3.7 | 0.5 | 8.0 | 0.5 | 8.8 | ns |
| | | C _L = 10 pF | 2.2 | 3.2 | 4.4 | 1.0 | 8.5 | 1.0 | 9.4 | ns |
| | | C _L = 15 pF | 2.7 | 3.7 | 5.0 | 1.0 | 9.1 | 1.0 | 10.1 | ns |
| | | C _L = 30 pF | 3.5 | 4.9 | 6.3 | 1.5 | 9.8 | 1.5 | 10.8 | ns |
| $V_{CC} = 3.0$ | 0 V to 3.6 V; V _I | = 2.3 V to 2.7 V | | | | | | | | |
| t_{pd} | propagation | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| | delay | C _L = 5 pF | 1.4 | 2.6 | 3.8 | 0.5 | 5.3 | 0.5 | 5.9 | ns |
| | | C _L = 10 pF | 1.9 | 3.1 | 4.5 | 1.0 | 6.1 | 1.0 | 6.8 | ns |
| | | C _L = 15 pF | 2.2 | 3.6 | 5.1 | 1.0 | 6.8 | 1.0 | 7.5 | ns |
| | | C _L = 30 pF | 3.0 | 4.8 | 6.6 | 1.5 | 8.5 | 1.5 | 9.4 | ns |
| $V_{CC} = 3.0$ | 0 V to 3.6 V; V _I | = 3.0 V to 3.6 V | | | | | | | | |
| t_{pd} | propagation | A to Y; see <u>Fig. 6</u> [2] | | | | | | | | |
| | delay | C _L = 5 pF | 1.1 | 2.5 | 4.0 | 0.5 | 4.7 | 0.5 | 5.2 | ns |
| | | C _L = 10 pF | 1.6 | 3.1 | 4.5 | 1.0 | 5.7 | 1.0 | 6.3 | ns |
| | | C _L = 15 pF | 1.9 | 3.6 | 5.1 | 1.0 | 6.2 | 1.0 | 6.9 | ns |
| | | C _L = 30 pF | 2.7 | 4.7 | 6.6 | 1.5 | 7.8 | 1.5 | 8.6 | ns |

Low-power buffer with voltage-level translator

| Symbol | Parameter | Conditions | 25 °C | | 25 °C -40 °C to +85 °C | | -40 °C to +125 °C | | Unit | |
|----------------------|--------------------------|--|-------|--------|------------------------|-----|-------------------|-----|------|----|
| | | | Min | Typ[1] | Max | Min | Max | Min | Max | |
| T _{amb} = 2 | T _{amb} = 25 °C | | | | | | | | | |
| C _{PD} | power | $f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$ [3] | | | | | | | | |
| | dissipation capacitance | V _{CC} = 2.3 V to 2.7 V | - | 4 | - | - | - | - | - | pF |
| | | V _{CC} = 3.0 V to 3.6 V | - | 5 | - | - | - | - | - | pF |

- All typical values are measured at nominal V_{CC}.
- t_{pd} is the same as t_{PLH} and t_{PHL} C_{PD} is used to determine the dynamic power dissipation (P_D in μ 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;

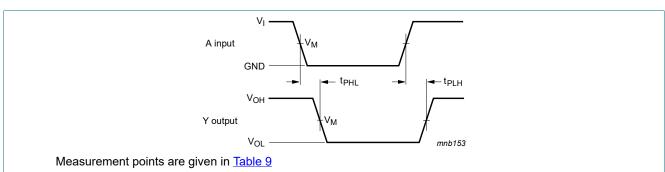
C_L = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}^2 \times f_0)$ = sum of the outputs.

11.1. Waveforms and test circuit



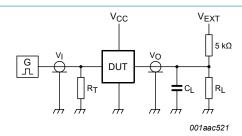
 V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Input A to output Y propagation delay times

Table 9. Measurement points

| Supply voltage | Output | Input | | | | | |
|-----------------|-----------------------|---------------------------------|-----------------|----------|--|--|--|
| V _{CC} | V _M | V_{M} V_{I} $t_{r} = t_{f}$ | | | | | |
| 2.3 V to 3.6 V | 0.5 × V _{CC} | 0.5 × V _I | 1.65 V to 3.6 V | ≤ 3.0 ns | | | |

Low-power buffer with voltage-level translator



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. 7. Test circuit for measuring switching times

Table 10. Test data

| Supply voltage | Load | | V _{EXT} | | |
|-----------------|------------------------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| V _{CC} | CL | R _L [1] | t _{PLH} , t _{PHL} | t _{PZH} , t _{PHZ} | t _{PZL} , t _{PLZ} |
| 2.3 V to 3.6 V | 5 pF, 10 pF, 15 pF and 30 pF | 5 kΩ or 1 MΩ | open | GND | 2 × V _{CC} |

[1] For measuring enable and disable times R_L = 5 k Ω . For measuring propagation delays, setup and hold times and pulse width R_L = 1 M Ω .

Low-power buffer with voltage-level translator

12. Package outline

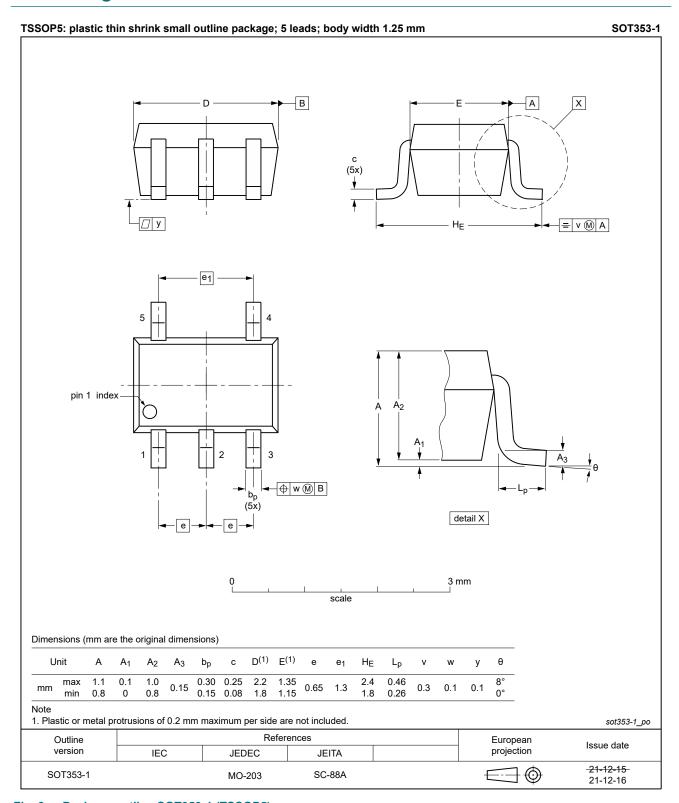


Fig. 8. Package outline SOT353-1 (TSSOP5)

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Low-power buffer with voltage-level translator

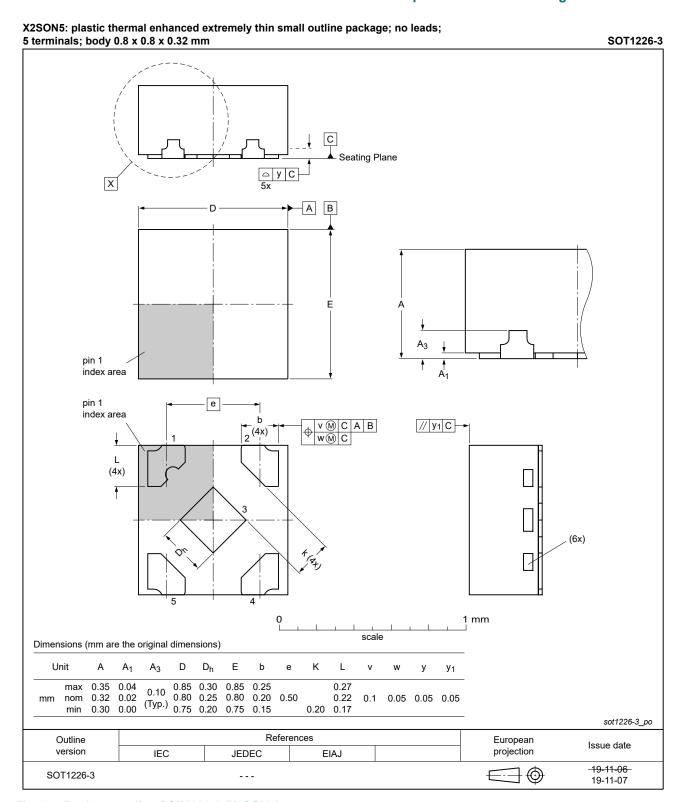


Fig. 9. Package outline SOT1226-3 (X2SON5)

Low-power buffer with voltage-level translator

13. Abbreviations

Table 11. Abbreviations

| Acronym | Description |
|---------|---|
| CDM | Charged Device Model |
| CMOS | Complementary Metal-Oxide Semiconductor |
| DUT | Device Under Test |
| ESD | ElectroStatic Discharge |
| НВМ | Human Body Model |

14. Revision history

Table 12. Revision history

| 144.00 12.110.110.101.11 | | | | | |
|--------------------------|--|--------------------|---------------|---------------|--|
| Document ID | Release date | Data sheet status | Change notice | Supersedes | |
| 74AUP1T17 v.3 | 20220125 | Product data sheet | - | 74AUP1T17 v.2 | |
| Modifications: | Fig. 8: Package outline drawing for SOT353-1 (TSSOP5) has changed. | | | | |
| 74AUP1T17 v.2 | 20210719 | Product data sheet | - | 74AUP1T17 v.1 | |
| Modifications: | SOT1226 (X2SON5) package changed to SOT1226-3 (X2SON5) package. Table 5: Derating values for P_{tot} total power dissipation updated. | | | | |
| 74AUP1T17 v.1 | 20171128 | Product data sheet | - | - | |

15. Legal information

Data sheet status

| Document status [1][2] | Product status [3] | Definition |
|--------------------------------|-----------------------|---|
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| Preliminary [short] data sheet | Qualification | This document contains data from the preliminary specification. |
| Product [short] data sheet | Production | This document contains the product specification. |

- 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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