74AUP1G06-Q100

Low-power inverter with open-drain output

Rev. 3 — 13 January 2022

Product data sheet

1. General description

The 74AUP1G06-Q100 is a single inverter with open-drain output. Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times. This device ensures very low static and dynamic power consumption across the entire V_{CC} range from 0.8 V to 3.6 V.

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.

This product has been qualified to the Automotive Electronics Council (AEC) standard Q100 (Grade 1) and is suitable for use in automotive applications.

2. Features and benefits

- Automotive product qualification in accordance with AEC-Q100 (Grade 1)
 - Specified from -40 °C to +85 °C and from -40 °C to +125 °C
- Wide supply voltage range from 0.8 V to 3.6 V
- · High noise immunity
- · CMOS low power dissipation
- Low static power consumption; I_{CC} = 0.9 μA (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II
- Overvoltage tolerant inputs to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial Power-down mode operation
- Complies with JEDEC standards:
 - JESD8-12 (0.8 V to 1.3 V)
 - JESD8-11 (0.9 V to 1.65 V)
 - 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)
- ESD protection:
 - MIL-STD-883, method 3015 Class 3A. Exceeds 5000 V
 - HBM JESD22-A114F Class 3A. Exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V (C = 200 pF, R = 0 Ω)

3. Ordering information

Table 1. Ordering information

| Table 1. Ordering information | | | | | | | | | | | |
|-------------------------------|-------------------|--------|--|----------|--|--|--|--|--|--|--|
| Type number | Package | | | | | | | | | | |
| | Temperature range | Name | Description | Version | | | | | | | |
| 74AUP1G06GW-Q100 | -40 °C to +125 °C | TSSOP5 | plastic thin shrink small outline package; 5 leads; body width 1.25 mm | SOT353-1 | | | | | | | |



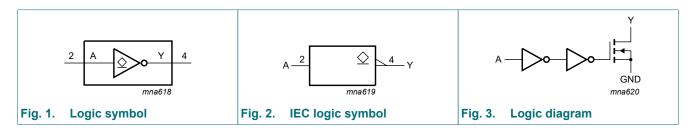
4. Marking

Table 2. Marking

| Type number | Marking code [1] |
|------------------|------------------|
| 74AUP1G06GW-Q100 | pR |

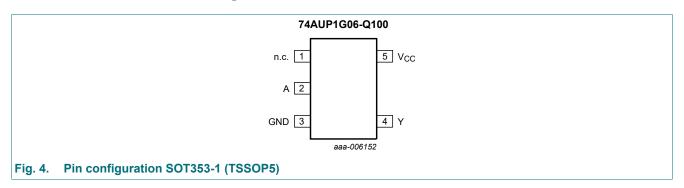
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

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 |

7. Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level; Z = high-impedance OFF state.

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

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 | $V_O = 0 V \text{ to } V_{CC}$ | - | +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 | $T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$ [2] | - | 250 | mW |

^[1] The 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 | | 0.8 | 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 |
| Δt/ΔV | input transition rise and fall rate | V _{CC} = 0.8 V to 3.6 V | 0 | 200 | ns/V |

^[2] For SOT353-1 (TSSOP5) package: Ptot derates linearly with 3.3 mW/K above 74 °C.

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 | 25 °C | | | | | |
| V _{IH} | HIGH-level input | V _{CC} = 0.8 V | 0.70 × V _{CC} | - | - | V |
| | voltage | V _{CC} = 0.9 V to 1.95 V | 0.65 × V _{CC} | - | - | V |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | - | - | V |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | - | - | 0.35 × V _{CC} | V |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |
| V _{OL} | LOW-level output | $V_I = V_{IH}$ or V_{IL} | | | | |
| | voltage | I _O = 20 μA; V _{CC} = 0.8 V to 3.6 V | - | - | 0.1 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.3 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.31 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.31 | 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 _{OZ} | OFF-state output current | $V_I = V_{IL}$; $V_O = 0 \text{ V to } 3.6 \text{ V}$; $V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | - | ±0.1 | μΑ |
| I _{OFF} | power-off leakage current | V_{I} or $V_{O} = 0$ V to 3.6 V; $V_{CC} = 0$ V | - | - | ±0.2 | μΑ |
| ΔI _{OFF} | additional power-off leakage current | V_1 or $V_0 = 0 V$ to 3.6 V; $V_{CC} = 0 V$ to 0.2 V | - | - | ±0.2 | μΑ |
| I _{CC} | supply current | $V_I = GND \text{ or } V_{CC}; I_O = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | - | - | 0.5 | μΑ |
| ΔI _{CC} | additional supply current | $V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ | - | - | 40 | μΑ |
| Cı | input capacitance | V_{CC} = 0 V to 3.6 V; V_{I} = GND or V_{CC} | - | 8.0 | - | pF |
| Co | output capacitance | output enabled; $V_O = GND$; $V_{CC} = 0 V$ | - | 1.7 | - | pF |
| | | output disabled; V _O = GND; V _{CC} = 0 V | - | 1.1 | - | pF |
| T _{amb} = - | 40 °C to +85 °C | | | | <u>'</u> | |
| V _{IH} | HIGH-level input | V _{CC} = 0.8 V | 0.70 × V _{CC} | - | - | V |
| | voltage | V _{CC} = 0.9 V to 1.95 V | 0.65 × V _{CC} | - | - | V |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | - | - | V |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | - | - | 0.35 × V _{CC} | V |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-----------------------|--------------------------------------|--|------------------------|-----|------------------------|------|
| V _{OL} | LOW-level output | $V_I = V_{IH}$ or V_{IL} | | | | |
| V _{OL} | voltage | I _O = 20 μA; V _{CC} = 0.8 V to 3.6 V | - | - | 0.1 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.3 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.37 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.35 | 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 _{OZ} | OFF-state output current | $V_I = V_{IL}$; $V_O = 0 \text{ V to } 3.6 \text{ V}$; $V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | - | ±0.5 | μΑ |
| I _{OFF} | power-off leakage current | $V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V}; V_{CC} = 0 \text{ V}$ | - | - | ±0.5 | μΑ |
| Δl _{OFF} | additional power-off leakage current | V_1 or $V_0 = 0$ V to 3.6 V; $V_{CC} = 0$ V to 0.2 V | - | - | ±0.6 | μΑ |
| I _{CC} | supply current | V_I = GND or V_{CC} ; I_O = 0 A; V_{CC} = 0.8 V to 3.6 V | - | - | 0.9 | μΑ |
| Δl _{CC} | additional supply current | $V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ | - | - | 50 | μΑ |
| T _{amb} = -4 | 40 °C to +125 °C | | | | | |
| V _{IH} | HIGH-level input | V _{CC} = 0.8 V | 0.75 × V _{CC} | - | - | V |
| | voltage | V _{CC} = 0.9 V to 1.95 V | 0.70 × V _{CC} | - | - | V |
| | | V _{CC} = 2.3 V to 2.7 V | 1.6 | - | - | V |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | - | - | V |
| V _{IL} | LOW-level input voltage | V _{CC} = 0.8 V | - | - | 0.25 × V _{CC} | V |
| | | V _{CC} = 0.9 V to 1.95 V | - | - | 0.30 × V _{CC} | V |
| | | V _{CC} = 2.3 V to 2.7 V | - | - | 0.7 | V |
| | | V _{CC} = 3.0 V to 3.6 V | - | - | 0.9 | V |
| V _{OL} | LOW-level output | $V_I = V_{IH}$ or V_{IL} | | | | |
| | voltage | $I_O = 20 \mu A; V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | - | - | 0.11 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | 0.33 × V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.41 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.39 | 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 |

| Symbol | Parameter | Conditions | Min | Тур | Max | Unit |
|-------------------|--------------------------------------|---|-----|-----|-------|------|
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.75 | μΑ |
| I _{OZ} | OFF-state output current | $V_I = V_{IL}$; $V_O = 0 \text{ V to } 3.6 \text{ V}$; $V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | - | ±0.75 | μΑ |
| 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_1 or $V_0 = 0$ V to 3.6 V; $V_{CC} = 0$ V to 0.2 V | - | - | ±0.75 | μΑ |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 0.8 V to 3.6 V | - | - | 1.4 | μΑ |
| ΔI _{CC} | additional supply current | $V_I = V_{CC} - 0.6 \text{ V}; I_O = 0 \text{ A}; V_{CC} = 3.3 \text{ V}$ | - | - | 75 | μΑ |

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 6.

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C to +85 °C | | -40 °C to +125 °C | | Unit |
|----------------------|-------------------|------------------------------------|-----|---------|------|---------------------|------|----------------------|------|------|
| | | | Min | Typ [1] | Max | Min | Max | Min | Max | |
| C _L = 5 p | F | | | | | | | | | |
| t _{pd} | propagation | A to Y; see <u>Fig. 5</u> [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 12.8 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.3 | 4.3 | 9.9 | 2.0 | 10.9 | 2.0 | 12.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 1.8 | 3.1 | 6.1 | 1.5 | 7.1 | 1.5 | 7.8 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.5 | 2.8 | 4.7 | 1.2 | 5.7 | 1.2 | 6.3 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.2 | 2.2 | 3.2 | 1.0 | 3.9 | 1.0 | 4.3 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.1 | 2.2 | 3.3 | 0.8 | 3.6 | 0.8 | 4.0 | ns |
| C _L = 10 | pF | | | | | | ' | | ' | |
| t _{pd} | propagation delay | A to Y; see <u>Fig. 5</u> [2] | | | | | | | | |
| | | V _{CC} = 0.8 V | - | 15.8 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.7 | 5.4 | 11.2 | 2.5 | 13.2 | 2.5 | 15.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.2 | 3.9 | 7.0 | 2.0 | 8.5 | 2.0 | 9.4 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 1.9 | 3.6 | 5.4 | 1.7 | 6.7 | 1.7 | 7.4 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.7 | 2.9 | 3.8 | 1.4 | 4.5 | 1.4 | 5.0 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.6 | 3.2 | 4.6 | 1.2 | 4.9 | 1.2 | 5.4 | ns |
| C _L = 15 | pF | 1 | ' | | | ' | ' | | ' | ' |
| t _{pd} | propagation | A to Y; see <u>Fig. 5</u> [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 18.8 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.2 | 6.4 | 12.2 | 2.9 | 15.2 | 2.9 | 17.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.6 | 4.6 | 7.7 | 2.3 | 9.4 | 2.3 | 10.0 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.3 | 4.5 | 6.6 | 2.1 | 7.3 | 2.1 | 8.1 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.1 | 3.5 | 4.6 | 1.7 | 5.1 | 1.7 | 5.7 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.0 | 4.0 | 6.0 | 1.5 | 6.5 | 1.5 | 7.2 | ns |
| | 1 | 1 | | | | | 1 | | 1 | |

| Symbol | Parameter | Conditions | | 25 °C | | | °C to 5 °C | | °C to 5 °C | Unit |
|----------------------|-------------------------|--|-----|---------|------|-----|---------------|-----|---------------|------|
| | | | Min | Typ [1] | Max | Min | Max | Min | Max | _ |
| C _L = 30 | pF | | | | | | | | | |
| t _{pd} | propagation | A to Y; see <u>Fig. 5</u> [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 27.8 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 4.4 | 9.3 | 16.5 | 3.9 | 19.3 | 3.9 | 21.3 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.6 | 6.8 | 10.1 | 3.2 | 12.0 | 3.2 | 13.2 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 3.2 | 6.8 | 10.7 | 2.9 | 11.0 | 2.9 | 12.1 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.9 | 5.3 | 7.2 | 2.6 | 7.8 | 2.6 | 8.6 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.9 | 6.5 | 10.5 | 2.5 | 10.8 | 2.5 | 11.9 | ns |
| C _L = 5 p | F, 10 pF, 15 p | F and 30 pF | | | | | | | | |
| C _{PD} | power | $f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{CC}$ [3] | | | | | | | | |
| | dissipation capacitance | V _{CC} = 0.8 V | - | 0.5 | - | - | - | - | - | pF |
| | capacitarice | V _{CC} = 1.1 V to 1.3 V | - | 0.6 | - | - | - | - | - | pF |
| | | V _{CC} = 1.4 V to 1.6 V | - | 0.7 | - | - | - | - | - | pF |
| | | V _{CC} = 1.65 V to 1.95 V | - | 0.7 | - | - | - | - | - | pF |
| | | V _{CC} = 2.3 V to 2.7 V | - | 1.0 | - | - | - | - | - | pF |
| | | V _{CC} = 3.0 V to 3.6 V | - | 1.2 | - | - | - | - | - | pF |

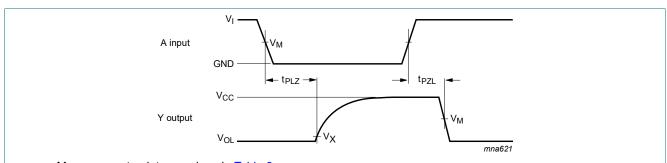
- All typical values are measured at nominal V_{CC}.
- [2]
- t_{pd} is the same as t_{PZL} and t_{PLZ} . C_{PD} is used to determine the dynamic power dissipation (P_D in μW). $P_D = C_{PD} \times V_{CC}^{\ \ 2} \times f_i \times N$ where:

 f_i = input frequency in MHz;

V_{CC} = supply voltage in V;

N = number of inputs switching.

11.1. Waveforms and test circuit



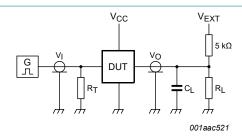
Measurement points are given in <u>Table 9</u>.

Logic level: V_{OL} is the typical output voltage level that occurs at the output load.

The data input (A) to output (Y) propagation delays Fig. 5.

Table 9. Measurement points

| Supply voltage | Input | | | Output | | |
|-----------------|---------------------------------|-----------------|---|-----------------------|--------------------------|----------------|
| V _{cc} | V_{M} V_{I} $t_{r} = t_{f}$ | | V_{M} V_{I} $t_{r} = t_{f}$ V_{M} | | V _M | V _X |
| 0.8 V to 1.6 V | 0.5 × V _{CC} | V _{CC} | ≤ 3.0 ns | 0.5 × V _{CC} | V _{OL} + 0.1 V | |
| 1.65 V to 2.7 V | 0.5 × V _{CC} | V _{CC} | ≤ 3.0 ns | 0.5 × V _{CC} | V _{OL} + 0.15 V | |
| 3.0 V to 3.6 V | 0.5 × V _{CC} | V _{CC} | ≤ 3.0 ns | 0.5 × V _{CC} | V _{OL} + 0.3 V | |



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. 6. 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} |
| 0.8 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 .

12. Package outline

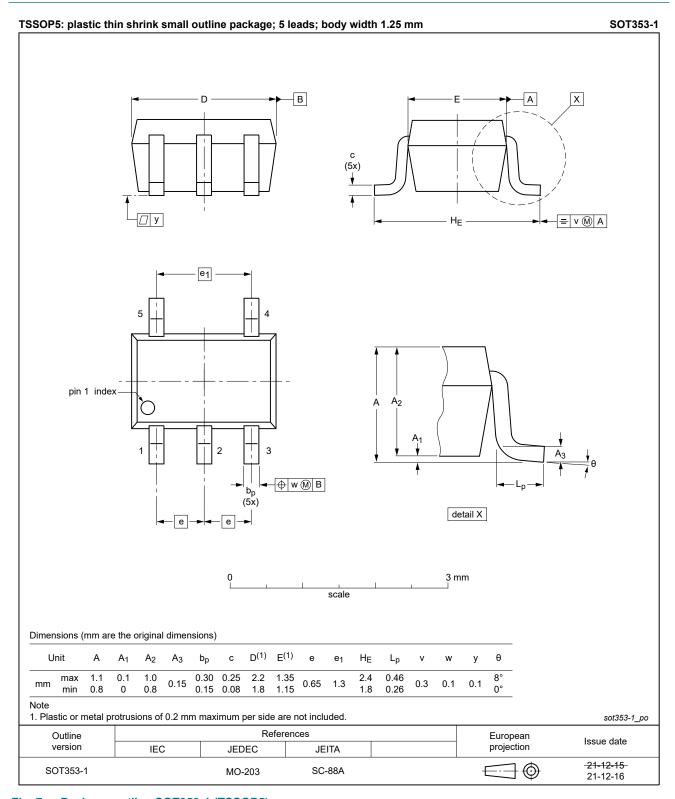


Fig. 7. Package outline SOT353-1 (TSSOP5)

13. Abbreviations

Table 11. Abbreviations

| Acronym | Description |
|---------|---|
| CMOS | Complementary Metal-Oxide Semiconductor |
| DUT | Device Under Test |
| ESD | ElectroStatic Discharge |
| НВМ | Human Body Model |
| MIL | Military |
| MM | Machine Model |

14. Revision history

Table 12. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes | |
|--------------------|--|--------------------|---------------|--------------------|--|
| 74AUP1G06_Q100 v.3 | 20220113 | Product data sheet | - | 74AUP1G06_Q100 v.2 | |
| Modifications: | <u>Section 1</u> and <u>Section 2</u> updated. <u>Fig. 7</u>: Package outline drawing for SOT353-1 (TSSOP5) has changed. | | | | |
| 74AUP1G06_Q100 v.2 | 20210706 | Product data sheet | - | 74AUP1G06_Q100 v.1 | |
| Modifications: | The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. Section 1 and Section 2 updated. Table 5: Derating values for P_{tot} total power dissipation have been updated. | | | | |
| 74AUP1G06_Q100 v.1 | 20130131 | 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. |

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- [2] The term 'short data sheet' is explained in section "Definitions".
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